

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031416\  
 Data File : BF085424.D  
 Acq On : 14 Mar 2016 13:01  
 Operator : UM/SJ  
 Sample : H1744-01RE  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-100

Quant Time: Mar 15 00:58:16 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	201874	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	746074	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	364902	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	623918	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	340267	20.00	ng	-0.07
86) Perylene-d12	15.55	264	324366	20.00	ng	-0.07

## System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	792790	65.87	ng	-0.05
7) Phenol-d6	6.55	99	648744	41.14	ng	-0.06
23) Nitrobenzene-d5	7.49	82	1215775	87.20	ng	-0.06
41) 2,4,6-Tribromophenol	10.77	330	470414	150.66	ng	-0.05
44) 2-Fluorobiphenyl	9.29	172	2009152	83.74	ng	-0.06
78) Terphenyl-d14	13.04	244	1604203	109.44	ng	-0.05

## Target Compounds

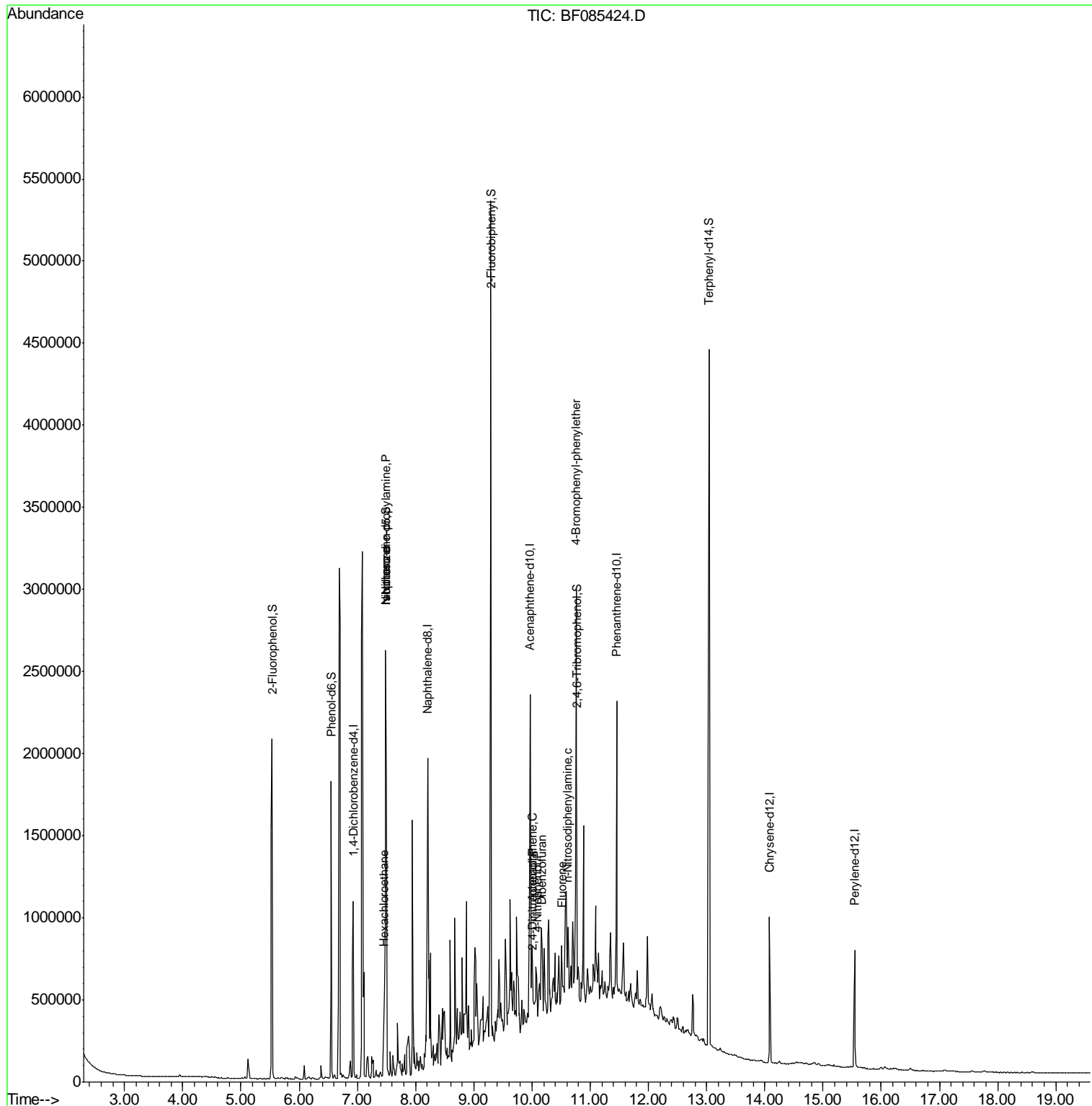
						Qvalue
18) Hexachloroethane	7.46	117	80889	14.06	ng	# 6
19) n-Nitroso-di-n-propylamine	7.49	70	161122	15.68	ng	# 79
25) Isophorone	7.49	82	967139	37.43	ng	# 67
51) Acenaphthene	10.00	154	82917	3.69	ng	92
53) 2,4-Dinitrophenol	10.01	184	249	8.10	ng	# 1
54) Dibenzofuran	10.17	168	62661	2.13	ng	# 88
55) 4-Nitrophenol	10.08	139	11650	2.07	ng	# 64
57) Fluorene	10.52	166	99863	4.32	ng	100
65) n-Nitrosodiphenylamine	10.62	169	44949	2.32	ng	# 66
66) 4-Bromophenyl-phenylether	10.76	248	28791	4.75	ng	# 1

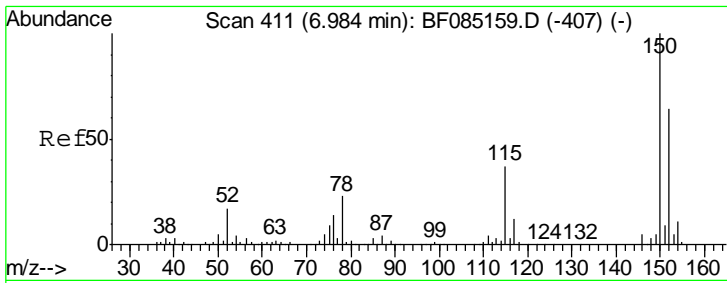
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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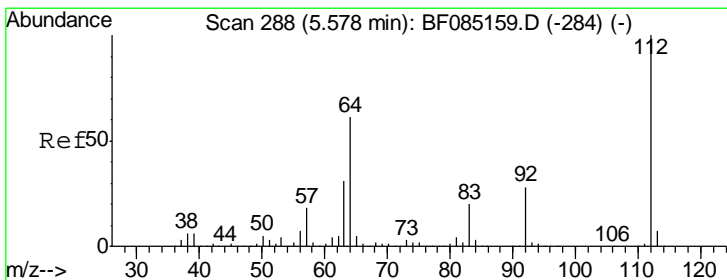
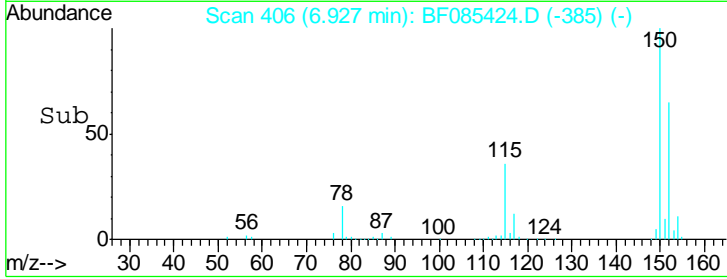
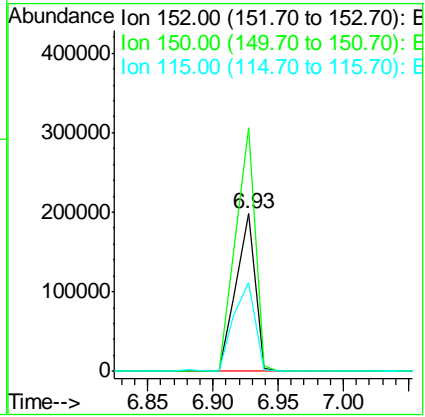
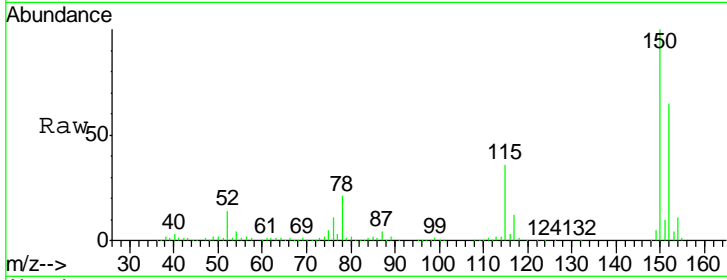


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.93 min Scan# 406  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 MW-100

Tgt Ion:152 Resp: 201874

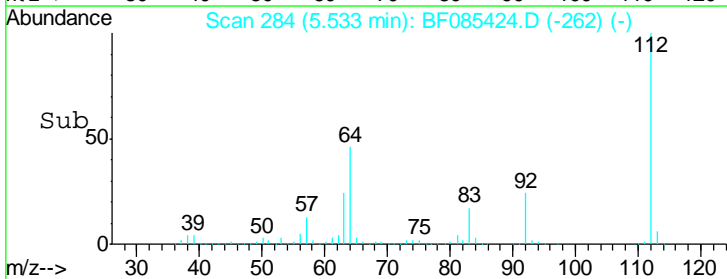
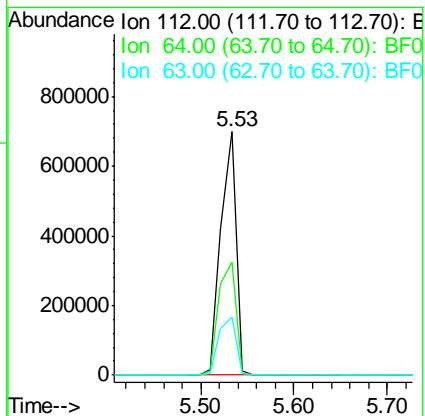
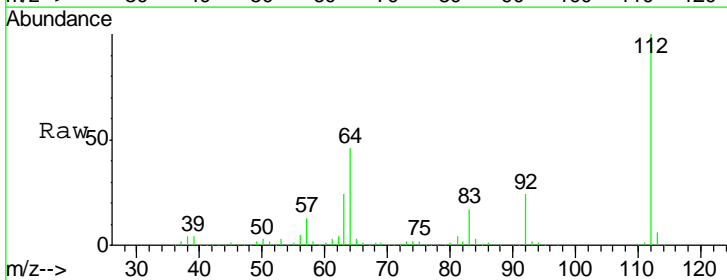
Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	56.4	46.6	70.0

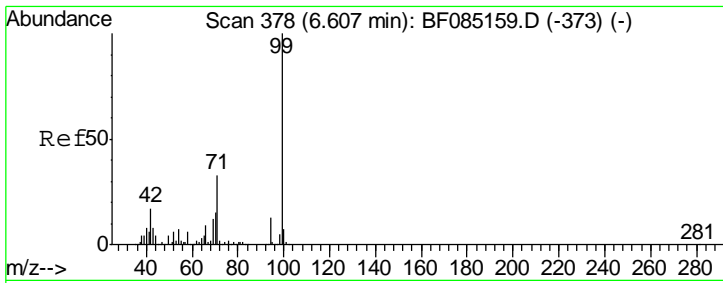


#5  
 2-Fluorophenol  
 Concen: 65.87 ng  
 RT: 5.53 min Scan# 284  
 Delta R.T. -0.05 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion:112 Resp: 792790

Ion	Ratio	Lower	Upper
112	100		
64	46.4	49.0	73.4#
63	23.6	24.8	37.2#

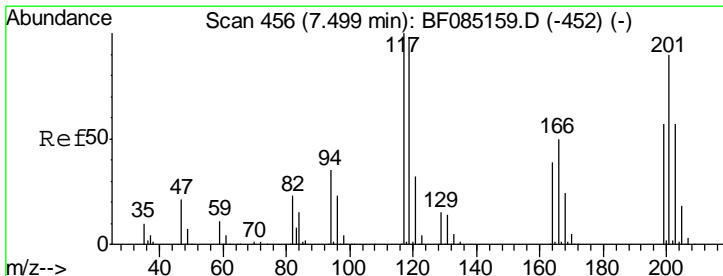
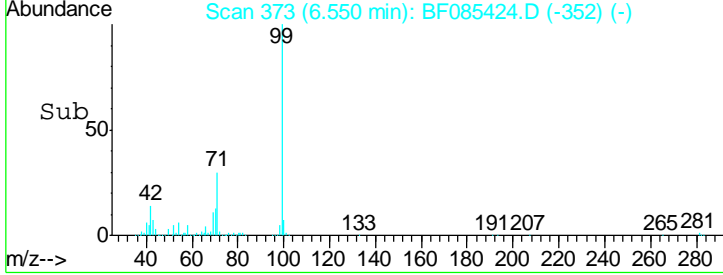
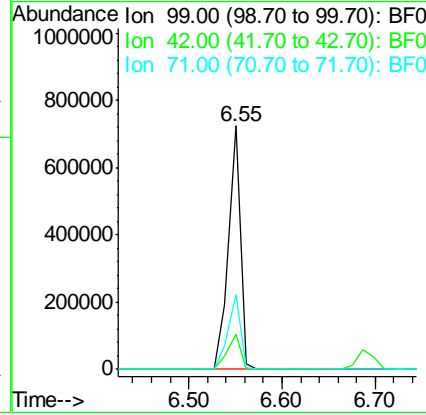
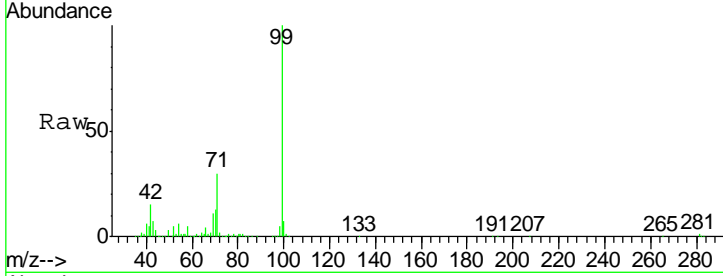




#7  
 Phenol-d6  
 Concen: 41.14 ng  
 RT: 6.55 min Scan# 373  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

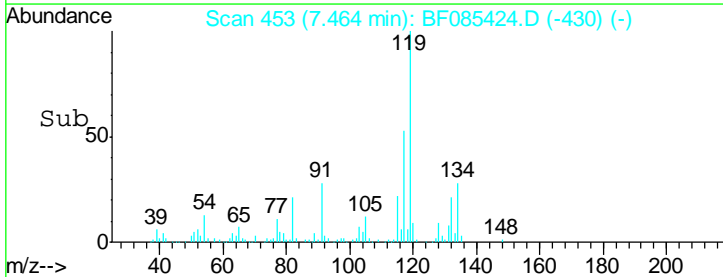
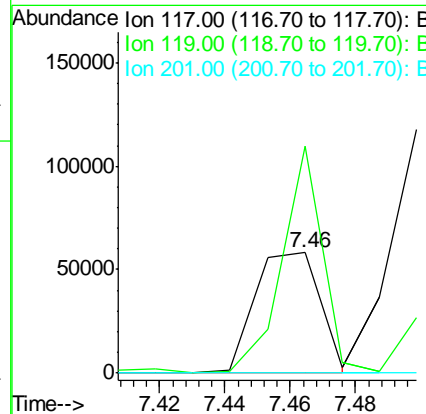
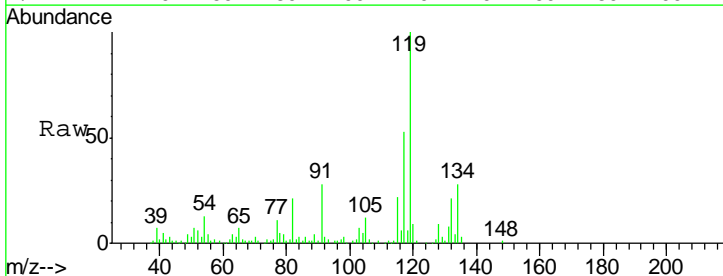
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

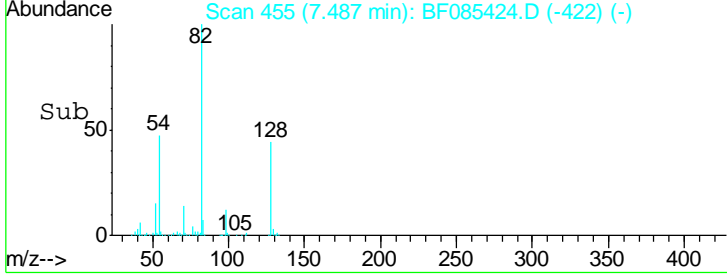
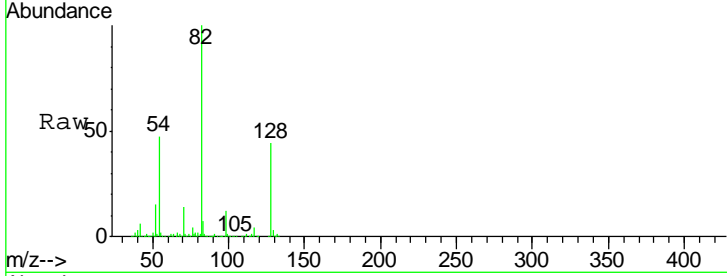
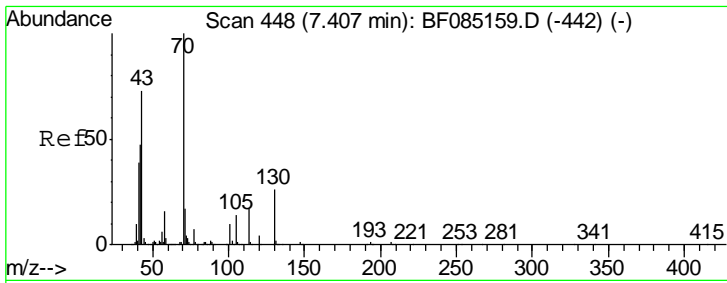
Tgt Ion	Resp	Lower	Upper
99	100		
42	14.5	13.6	20.4
71	30.4	26.7	40.1



#18  
 Hexachloroethane  
 Concen: 14.06 ng  
 RT: 7.46 min Scan# 453  
 Delta R.T. -0.03 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
117	100		
119	189.3	78.2	117.4#
201	0.0	72.0	108.0#

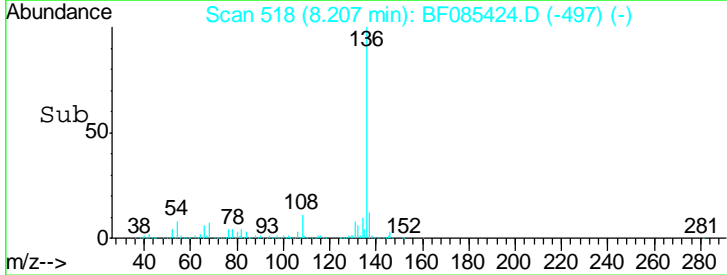
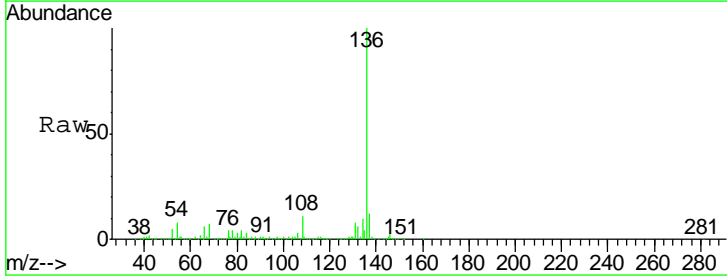
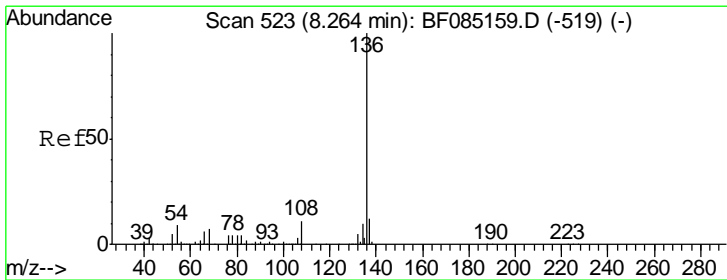
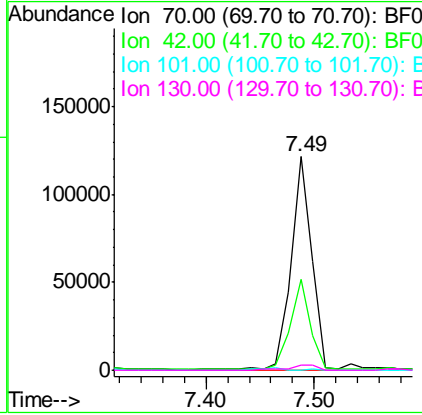




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 15.68 ng  
 RT: 7.49 min Scan# 455  
 Delta R.T. 0.08 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

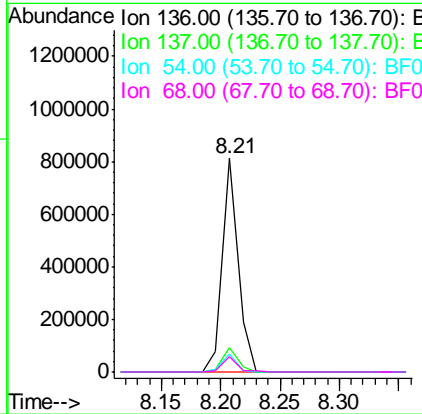
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

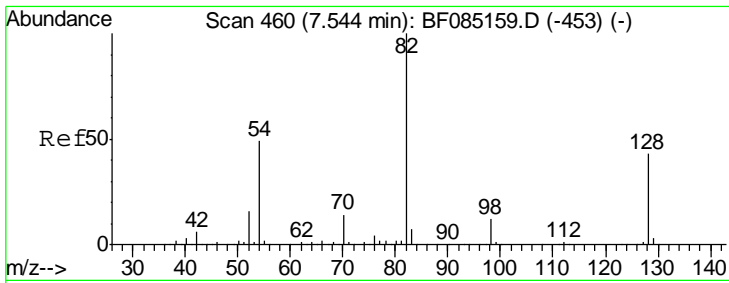
Tgt Ion	Resp	Lower	Upper
70	161122		
42	42.6	37.7	56.5
101	0.2	8.2	12.4#
130	2.3	20.5	30.7#



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.21 min Scan# 518  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
136	746074		
137	11.6	9.3	13.9
54	8.5	7.4	11.2
68	7.1	6.0	9.0

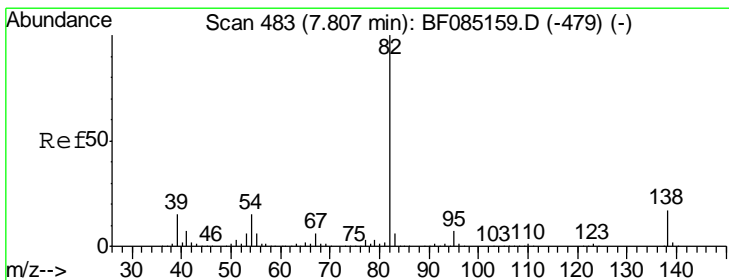
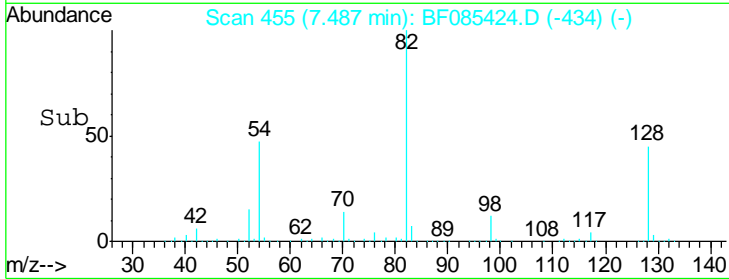
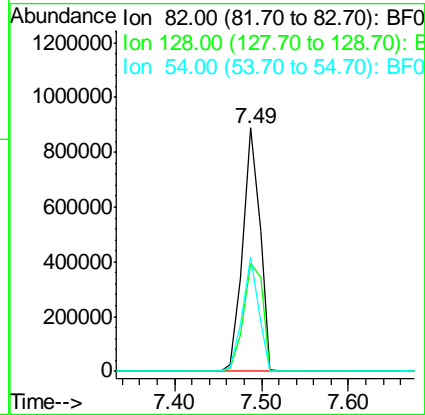
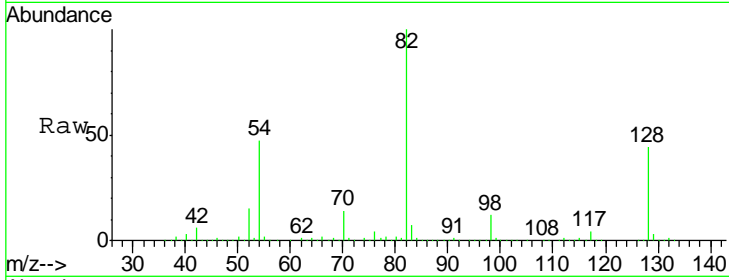




#23  
 Nitrobenzene-d5  
 Concen: 87.20 ng  
 RT: 7.49 min Scan# 455  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

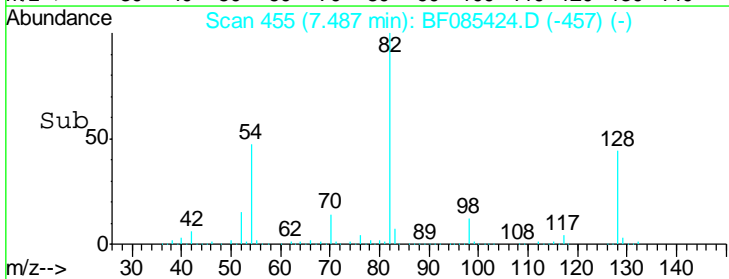
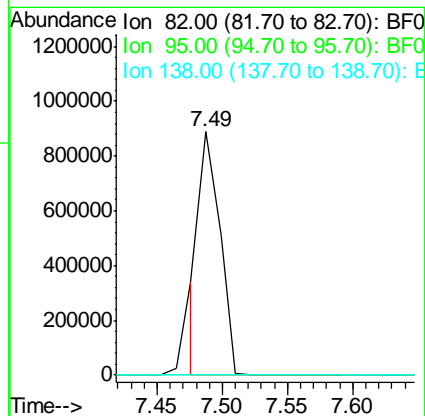
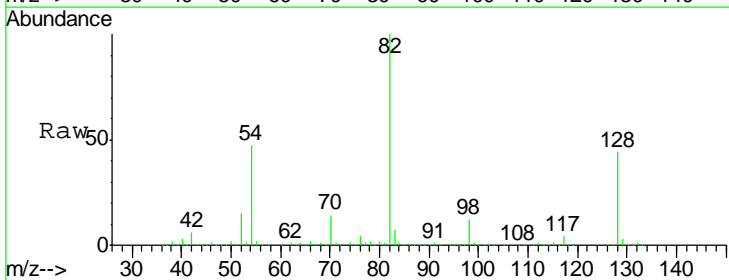
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

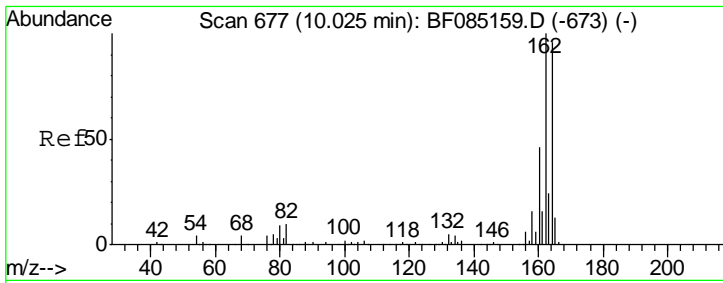
Tgt Ion	Resp	Lower	Upper
82	1215775		
128	44.5	34.5	51.7
54	46.9	39.3	58.9



#25  
 Isophorone  
 Concen: 37.43 ng  
 RT: 7.49 min Scan# 455  
 Delta R.T. -0.32 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
82	967139		
95	0.1	5.4	8.2#
138	0.0	13.3	19.9#

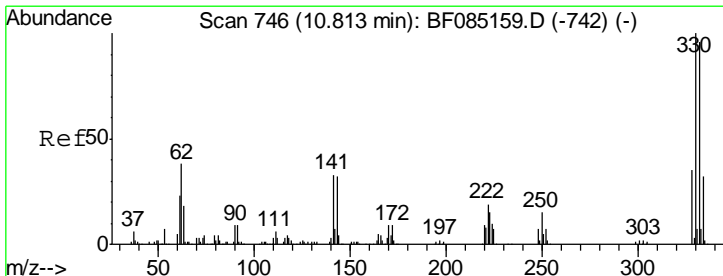
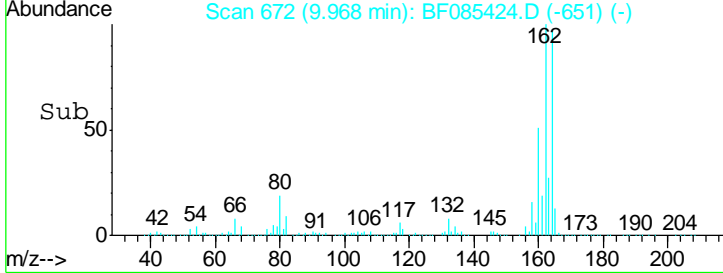
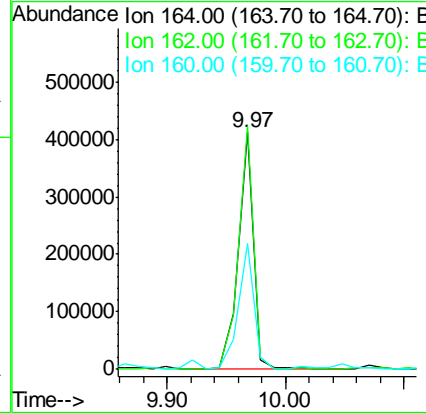
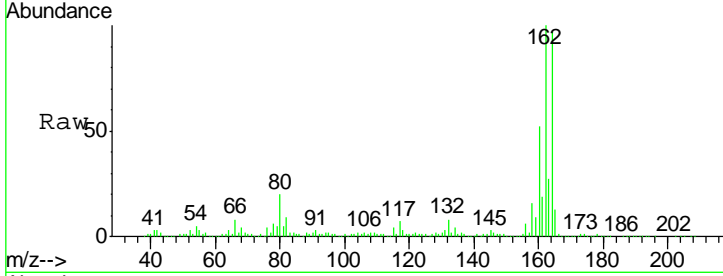




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.97 min Scan# 672  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

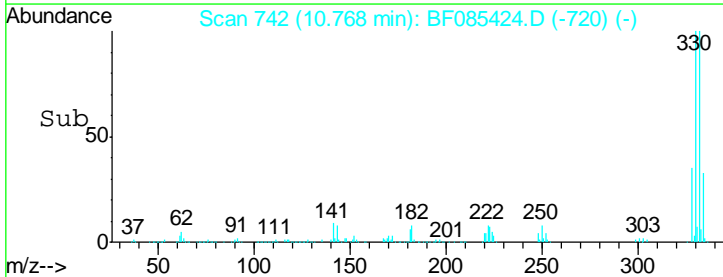
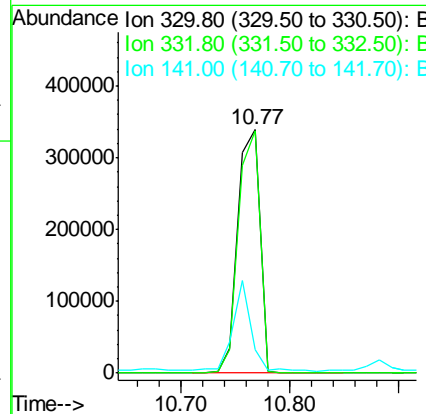
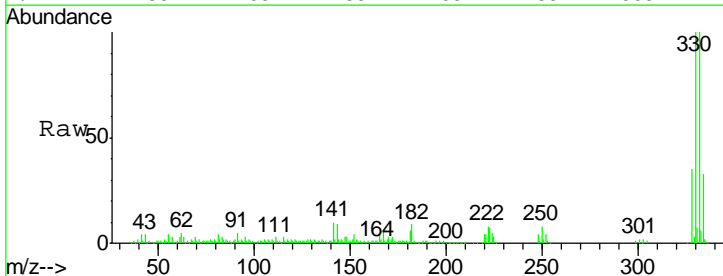
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

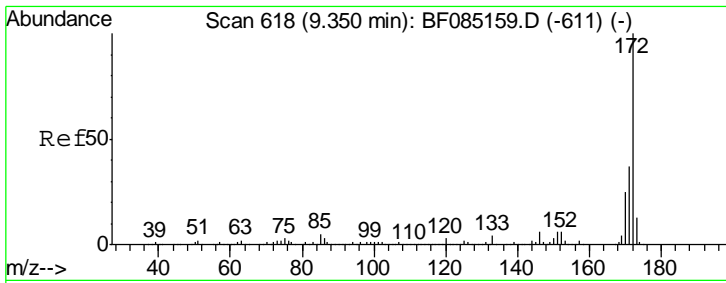
Tgt Ion	Resp	Lower	Upper
164	100		
162	102.7	83.3	124.9
160	53.1	37.9	56.9



#41  
 2,4,6-Tribromophenol  
 Concen: 150.66 ng  
 RT: 10.77 min Scan# 742  
 Delta R.T. -0.05 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	30.8	35.0	52.6#



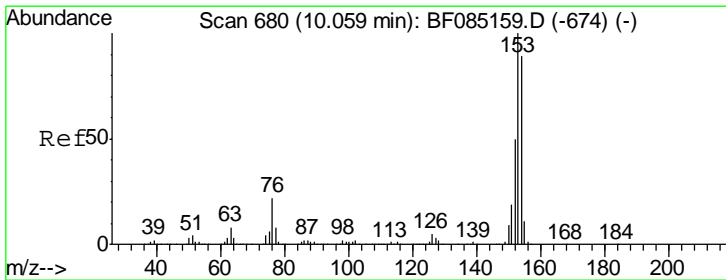
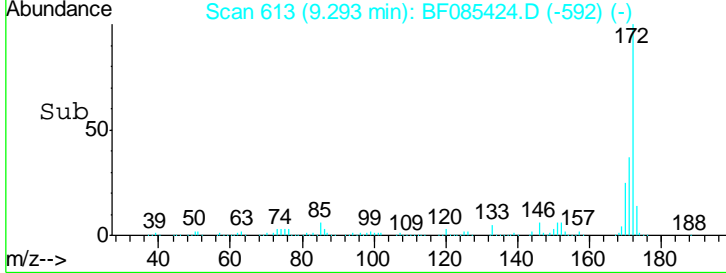
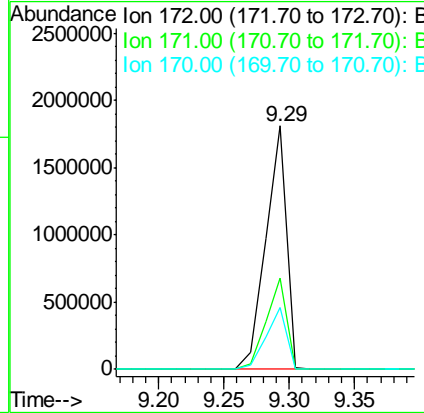
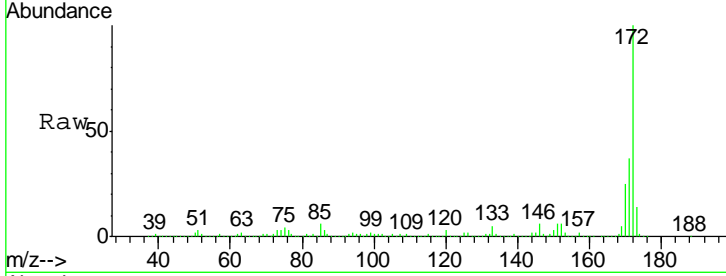


#44  
 2-Fluorobiphenyl  
 Concen: 83.74 ng  
 RT: 9.29 min Scan# 613  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

Tgt Ion:172 Resp: 2009152

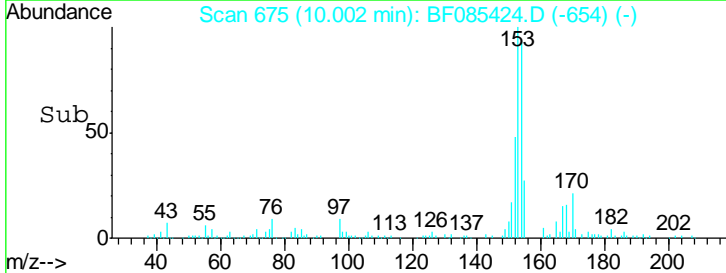
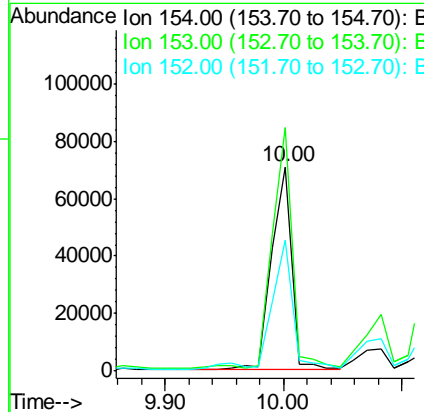
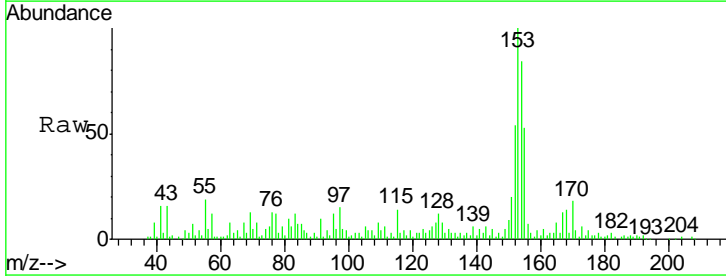
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.3	43.9
170	25.2	20.0	30.0



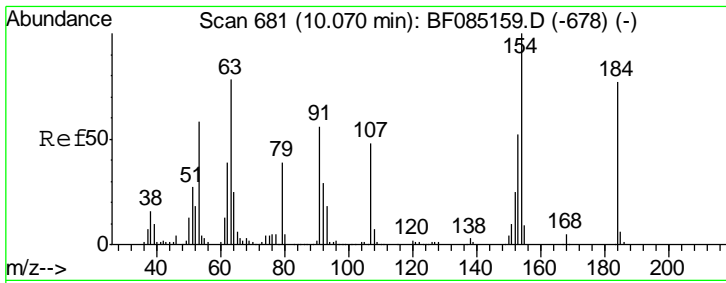
#51  
 Acenaphthene  
 Concen: 3.69 ng  
 RT: 10.00 min Scan# 675  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion:154 Resp: 82917

Ion	Ratio	Lower	Upper
154	100		
153	119.3	89.8	134.8
152	64.2	44.6	66.8



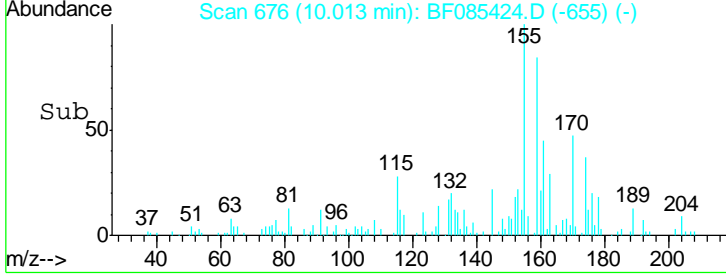
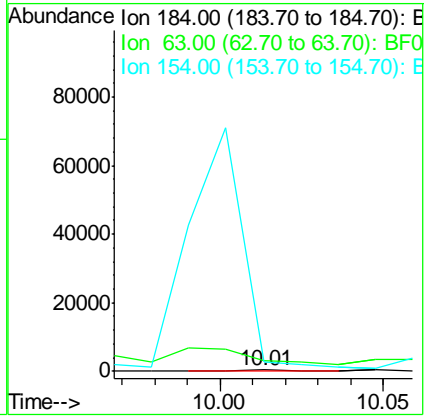
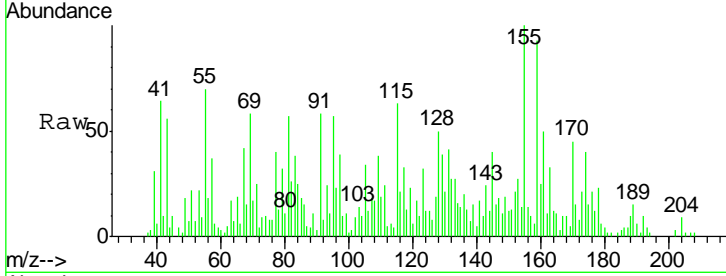




#53  
 2,4-Dinitrophenol  
 Concen: 8.10 ng  
 RT: 10.01 min Scan# 676  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

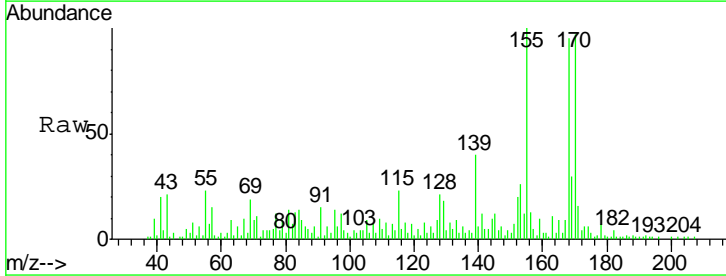
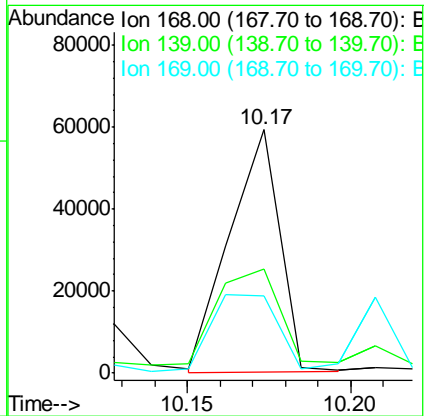
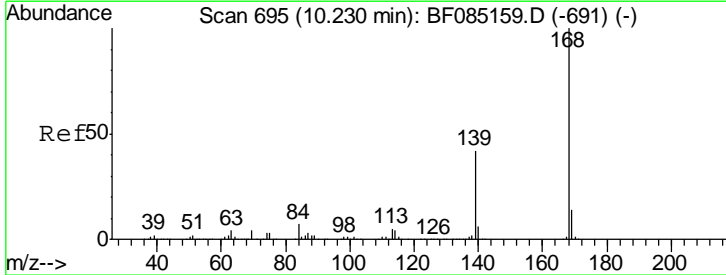
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 MW-100

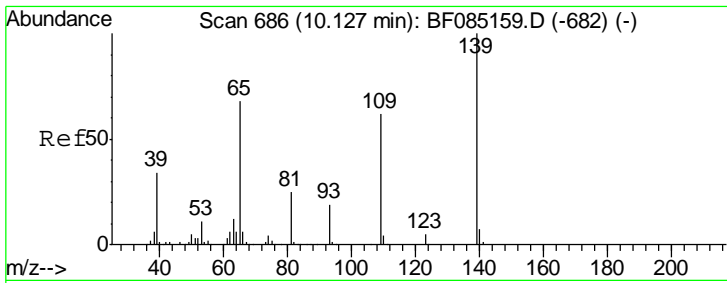
Tgt Ion	Resp	Lower	Upper
184	100		
63	852.9	82.2	123.4#
154	705.2	108.9	163.3#



#54  
 Dibenzofuran  
 Concen: 2.13 ng  
 RT: 10.17 min Scan# 690  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
168	100		
139	42.6	33.6	50.4
169	31.9	11.2	16.8#

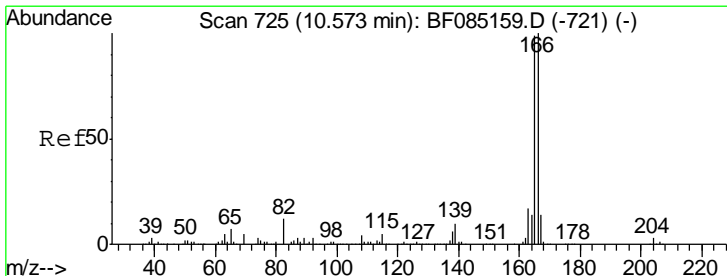
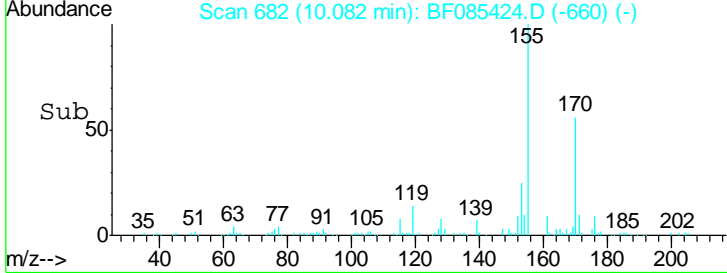
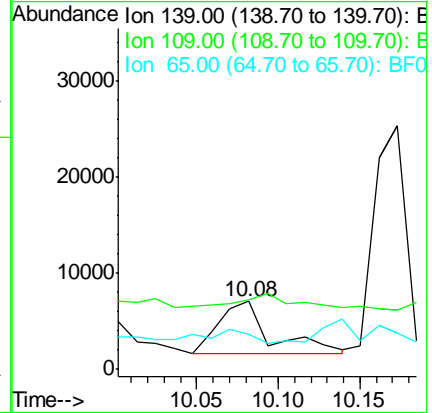
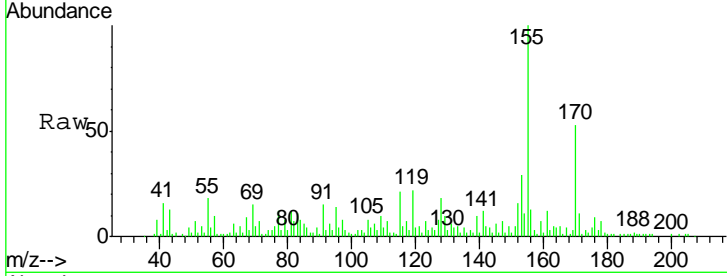




#55  
 4-Nitrophenol  
 Concen: 2.07 ng  
 RT: 10.08 min Scan# 682  
 Delta R.T. -0.05 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

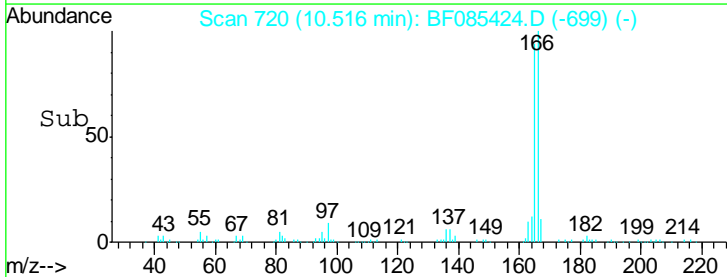
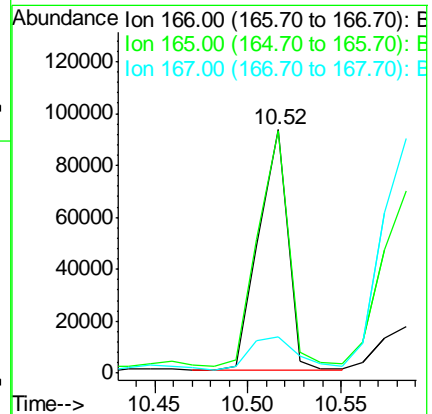
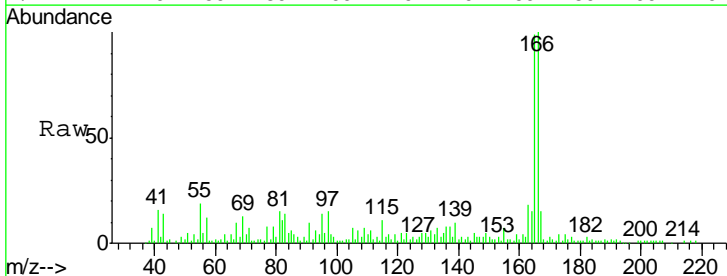
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

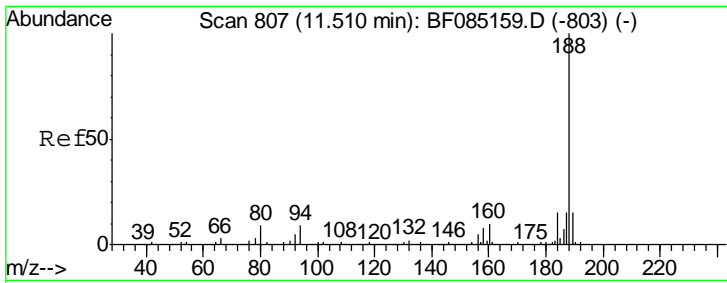
Tgt Ion	Resp	Lower	Upper
139	11650		
109	103.0	41.9	81.9#
65	52.0	48.3	88.3



#57  
 Fluorene  
 Concen: 4.32 ng  
 RT: 10.52 min Scan# 720  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
166	99863		
165	99.3	79.4	119.0
167	14.8	11.0	16.6

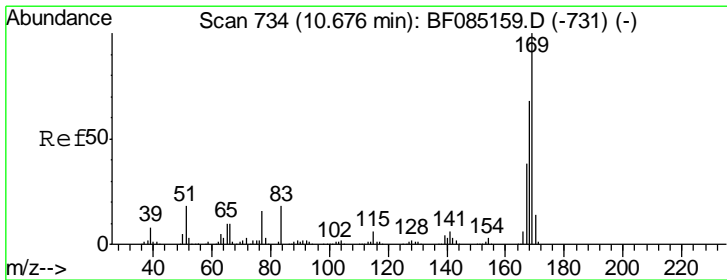
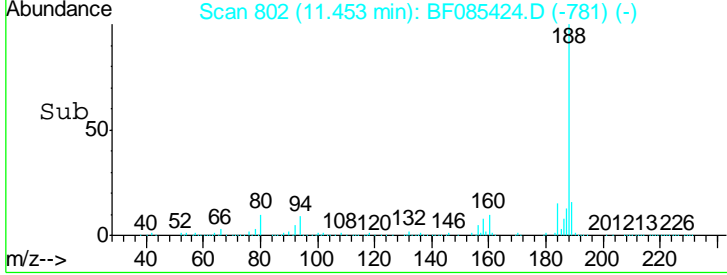
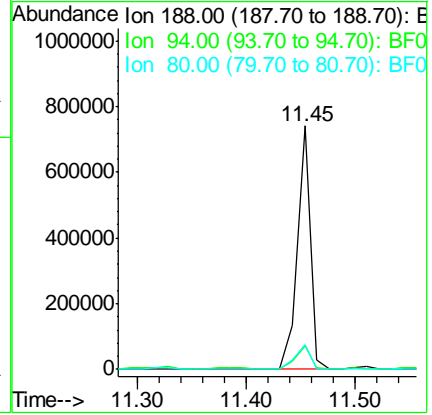
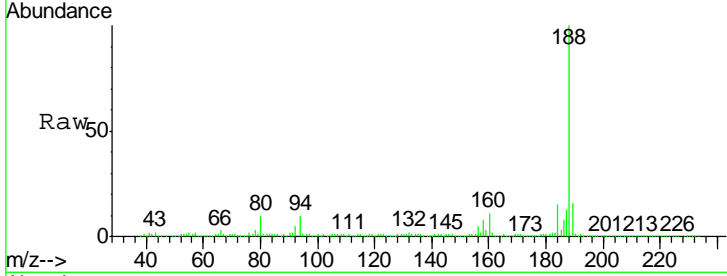




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.45 min Scan# 802  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

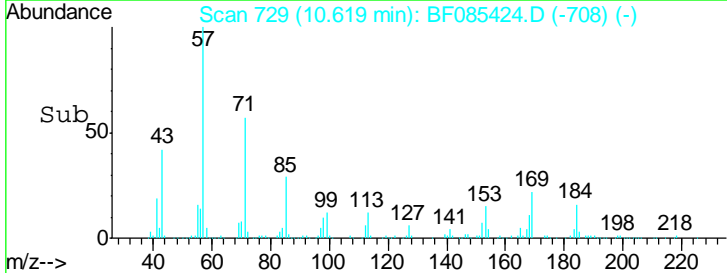
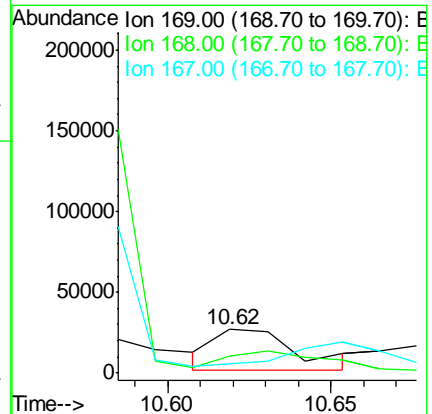
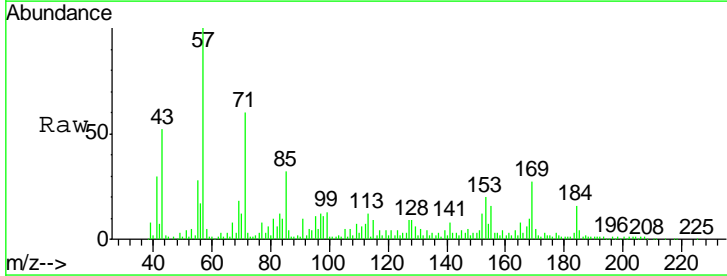
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

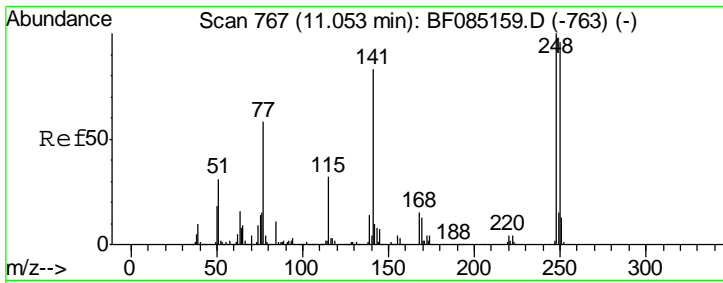
Tgt Ion	Resp	Lower	Upper
188	100		
94	9.6	7.0	10.6
80	10.1	7.4	11.0



#65  
 n-Nitrosodiphenylamine  
 Concen: 2.32 ng  
 RT: 10.62 min Scan# 729  
 Delta R.T. -0.06 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
169	100		
168	37.9	54.8	82.2#
167	21.7	30.3	45.5#

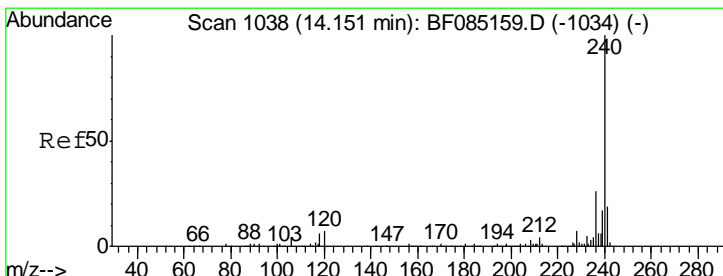
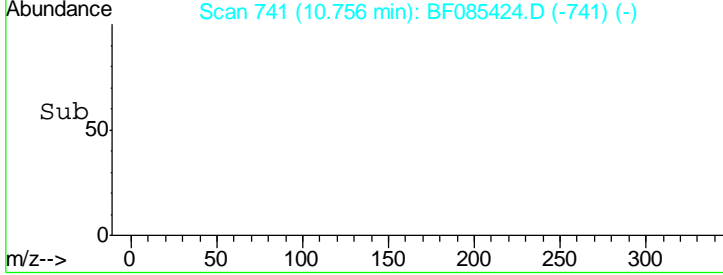
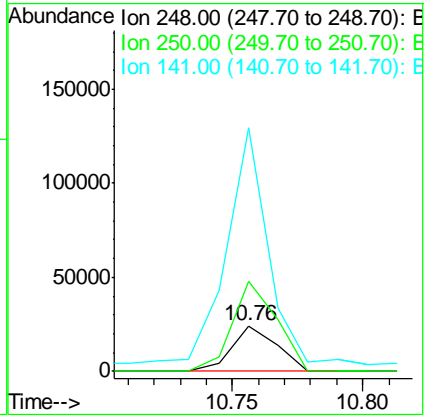
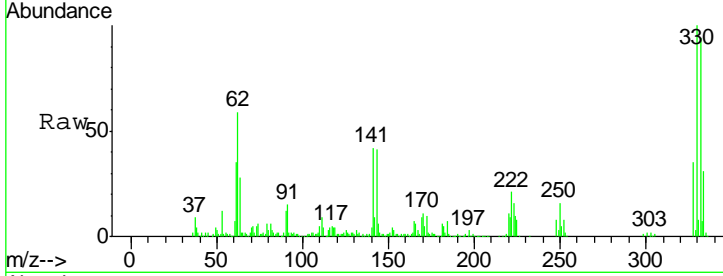




#66  
 4-Bromophenyl-phenylether  
 Concen: 4.75 ng  
 RT: 10.76 min Scan# 741  
 Delta R.T. -0.30 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

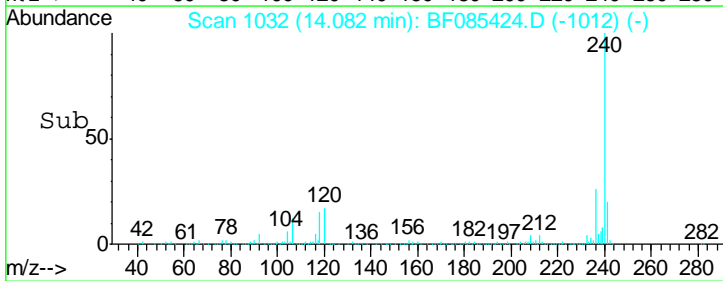
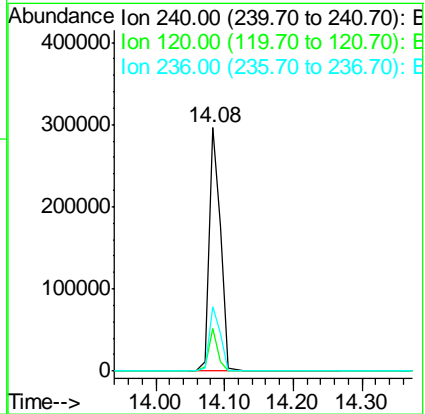
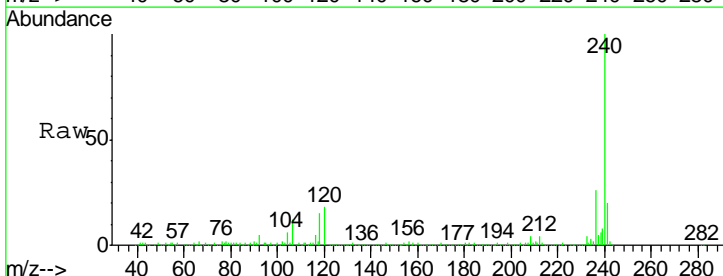
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 MW-100

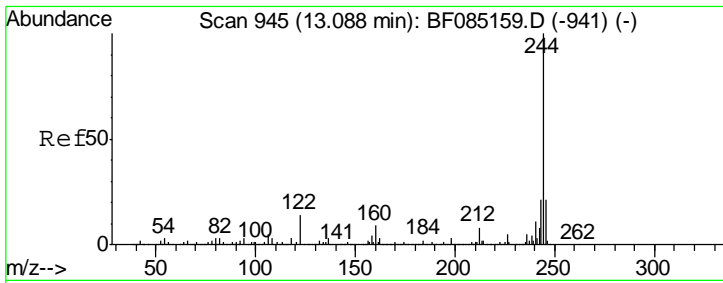
Tgt Ion	Resp	Lower	Upper
248	100		
250	197.8	77.1	115.7#
141	537.0	66.2	99.2#



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.08 min Scan# 1032  
 Delta R.T. -0.07 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion	Resp	Lower	Upper
240	100		
120	17.7	5.3	7.9#
236	26.4	20.7	31.1



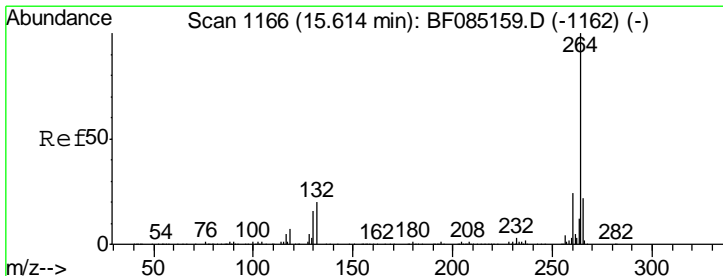
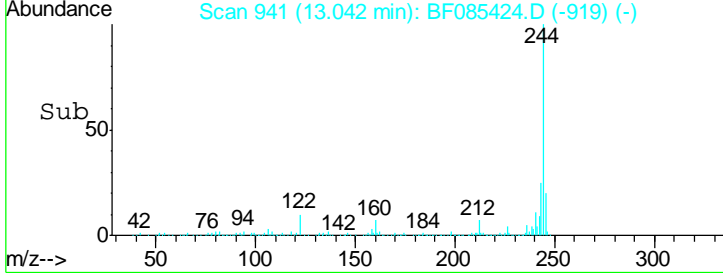
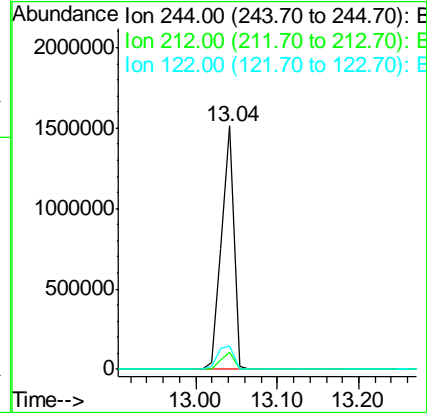
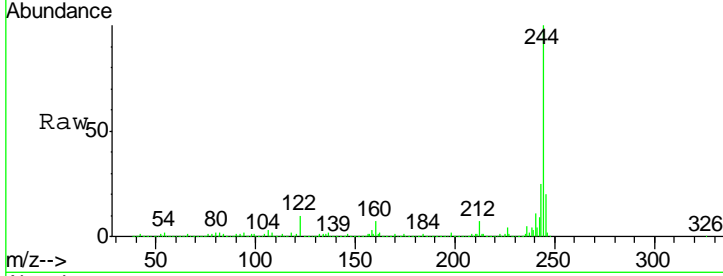


#78  
 Terphenyl-d14  
 Concen: 109.44 ng  
 RT: 13.04 min Scan# 941  
 Delta R.T. -0.05 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-100

Tgt Ion: 244 Resp: 1604203

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	9.7	11.4	17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.55 min Scan# 1160  
 Delta R.T. -0.07 min  
 Lab File: BF085424.D  
 Acq: 14 Mar 2016 13:01

Tgt Ion: 264 Resp: 324366

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.1	17.3	25.9

