

Data Path : Z:\HPCHEM1\BNA F\Data\BF123015\  
 Data File : BF084175.D  
 Acq On : 31 Dec 2015 5:11  
 Operator : UM/SJ  
 Sample : G4979-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 31 10:16:42 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 31 04:29:55 2015  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	320290	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1278376	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	582932	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1083931	20.00	ng	0.00
75) Chrysene-d12	14.07	240	831250	20.00	ng	0.00
86) Perylene-d12	15.51	264	594299	20.00	ng	0.01

## System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1223491	61.26	ng	0.00
7) Phenol-d6	6.52	99	1055126	40.81	ng	0.00
23) Nitrobenzene-d5	7.46	82	1974272	91.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	773984	133.02	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2962214	87.51	ng	0.00
78) Terphenyl-d14	13.02	244	3085413	87.42	ng	0.01

## Target Compounds

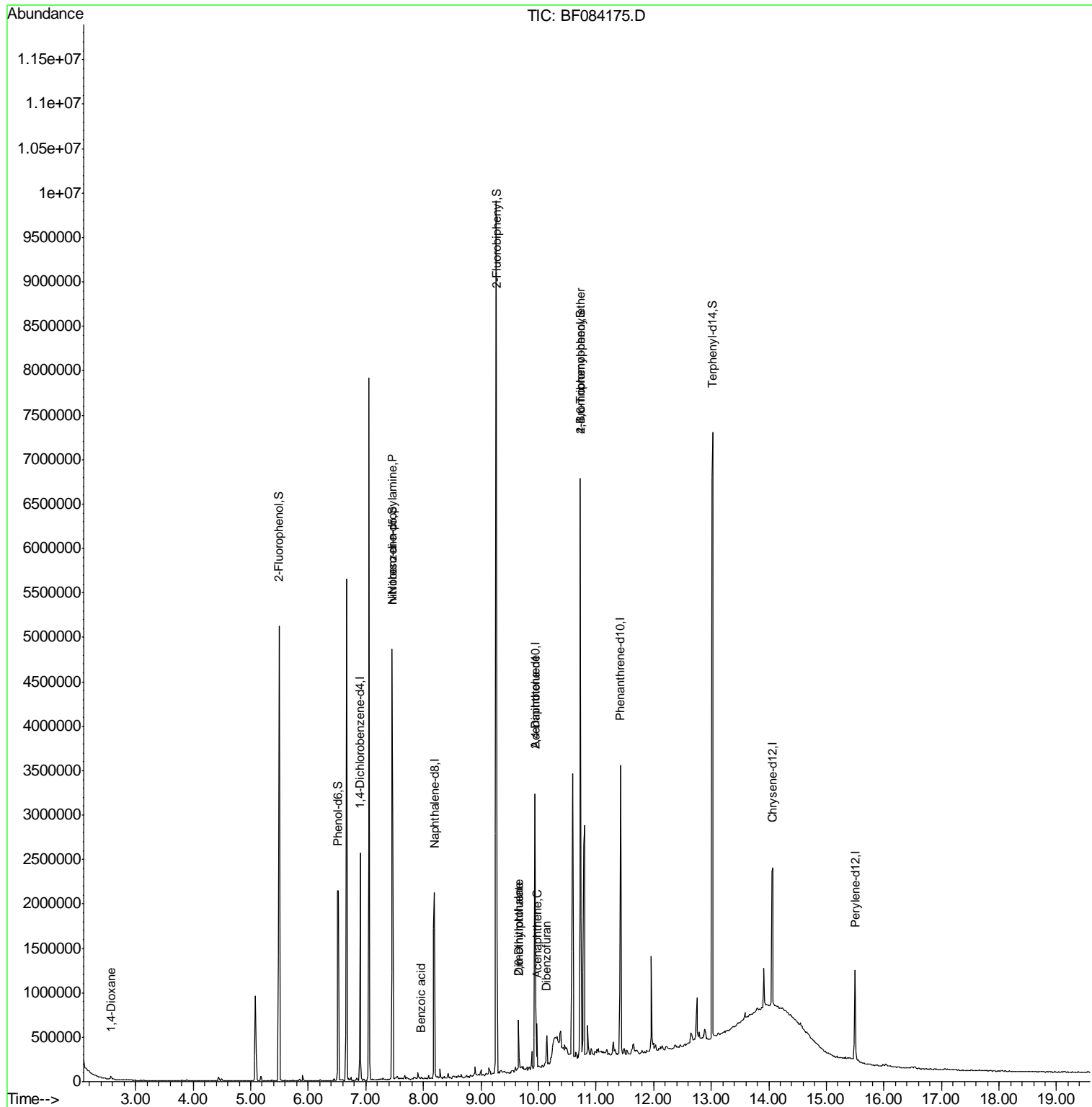
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.57	88	19908	2.08	ng	# 88
9) Benzaldehyde	6.44	77	2197	Below	Cal	# 98
14) 1,2-Dichlorobenzene	7.07	146	1747	Below	Cal	# 62
19) n-Nitroso-di-n-propylamine	7.46	70	278793	16.38	ng	# 76
26) 2-Nitrophenol	7.72	139	234	Below	Cal	# 6
32) Benzoic acid	7.96	122	2245	3.67	ng	# 32
49) Dimethylphthalate	9.65	163	215776	5.15	ng	# 98
50) 2,6-Dinitrotoluene	9.65	165	5152	2.47	ng	# 1
51) Acenaphthene	9.97	154	109965	3.02	ng	# 96
54) Dibenzofuran	10.14	168	112513	2.60	ng	# 98
56) 2,4-Dinitrotoluene	9.94	165	78483	7.67	ng	# 42
59) Diethylphthalate	10.36	149	9003	Below	Cal	# 88
60) 4-Chlorophenyl-phenylether	10.46	204	348	Below	Cal	# 14
66) 4-Bromophenyl-phenylether	10.73	248	48330	4.16	ng	# 1
73) Di-n-butylphthalate	12.00	149	23477	Below	Cal	# 89
74) Fluoranthene	12.65	202	55755	Below	Cal	# 99

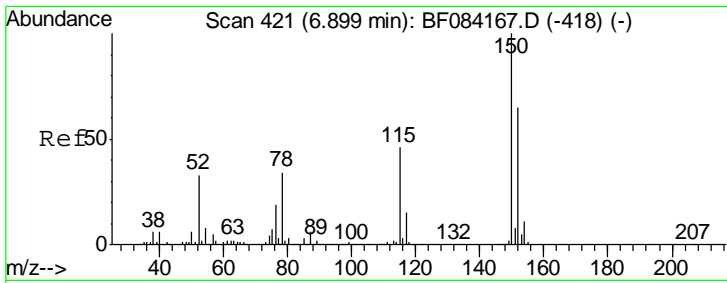
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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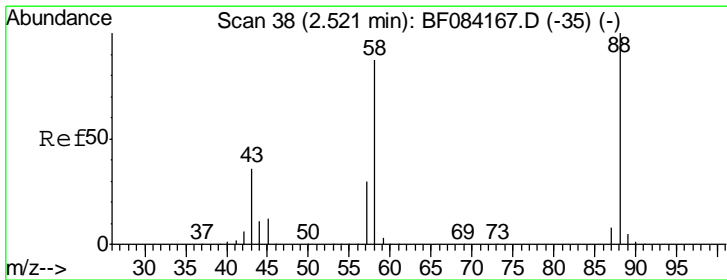
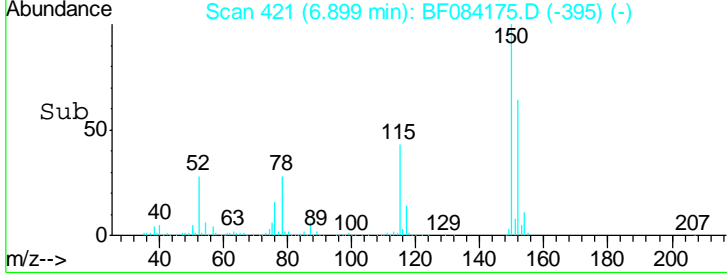
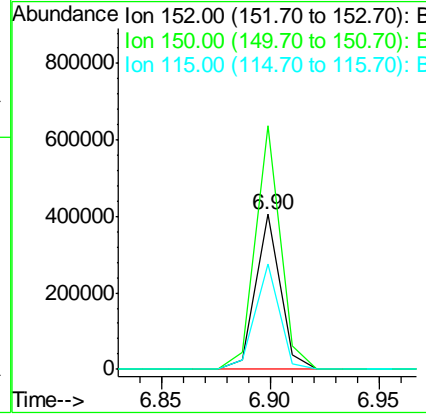
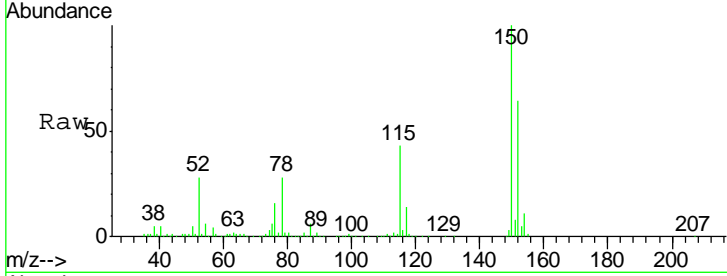




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.90 min Scan# 421  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

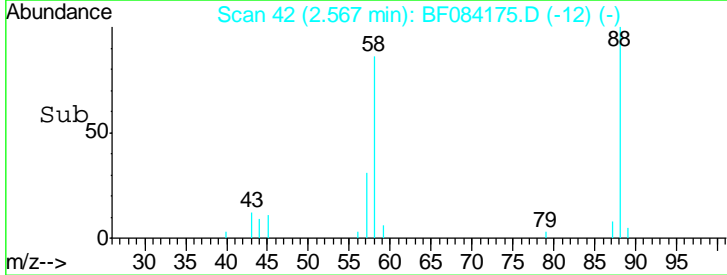
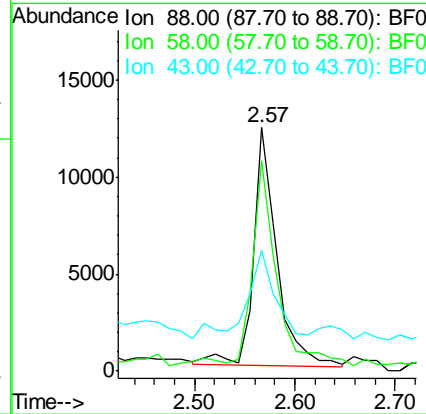
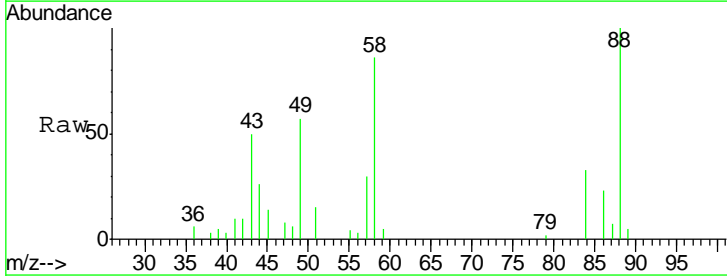
Instrument :  
 BNA\_F  
 ClientSampled :

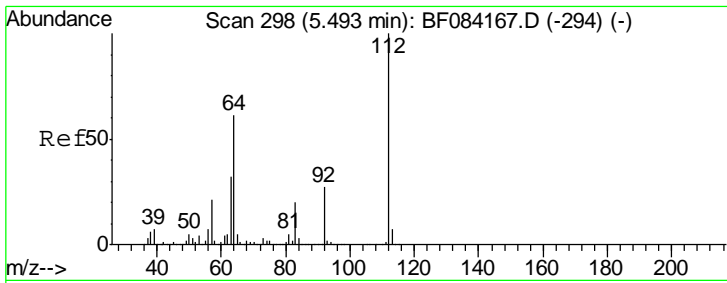
Tgt Ion	Resp	Lower	Upper
152	100		
150	157.4	123.8	185.8
115	68.2	57.1	85.7



#2  
 1,4-Dioxane  
 Concen: 2.08 ng  
 RT: 2.57 min Scan# 42  
 Delta R.T. 0.05 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
88	100		
58	92.5	67.8	101.6
43	45.8	27.8	41.8#



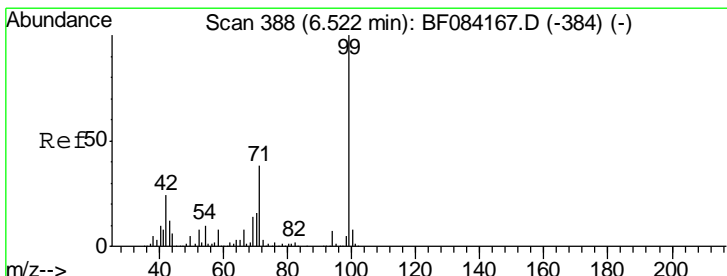
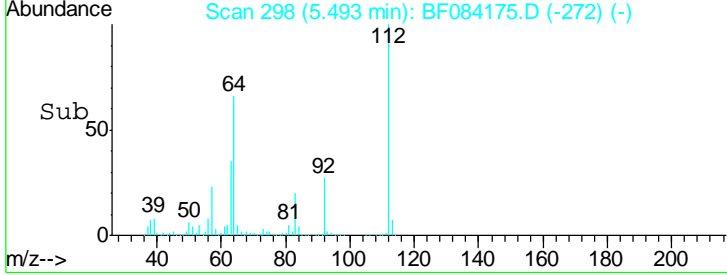
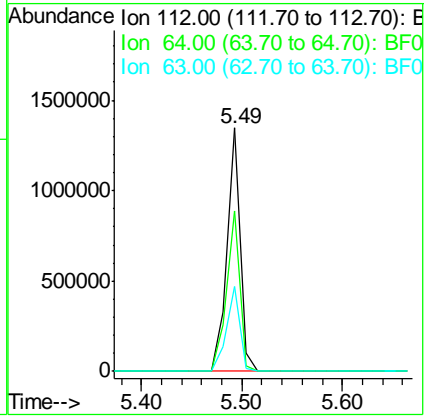
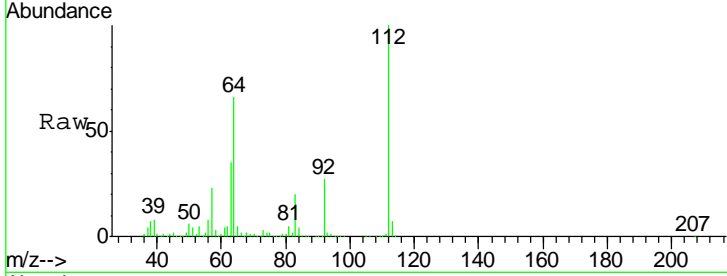


#5  
 2-Fluorophenol  
 Concen: 61.26 ng  
 RT: 5.49 min Scan# 298  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 112 Resp: 1223491

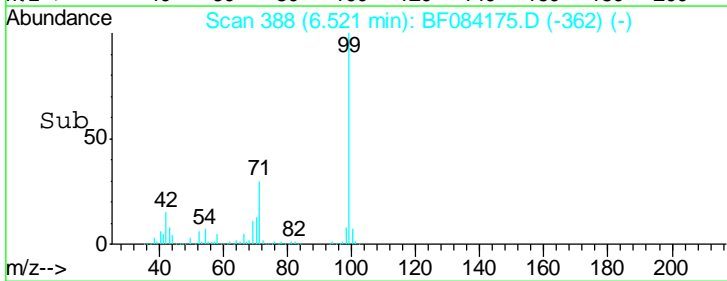
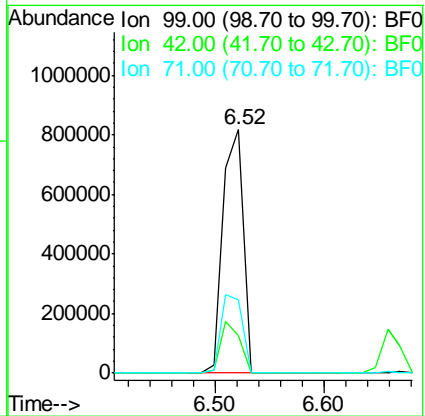
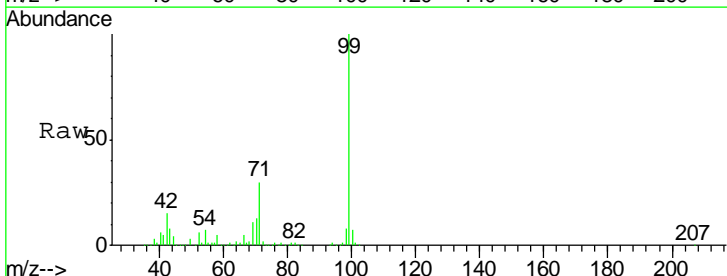
Ion	Ratio	Lower	Upper
112	100		
64	65.8	48.7	73.1
63	35.1	25.9	38.9

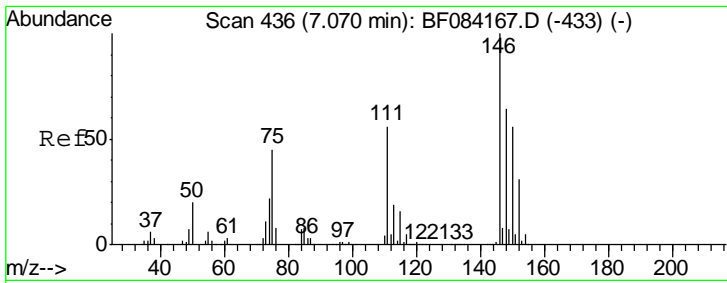


#7  
 Phenol-d6  
 Concen: 40.81 ng  
 RT: 6.52 min Scan# 388  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion: 99 Resp: 1055126

Ion	Ratio	Lower	Upper
99	100		
42	15.3	19.2	28.8#
71	30.2	30.4	45.6#

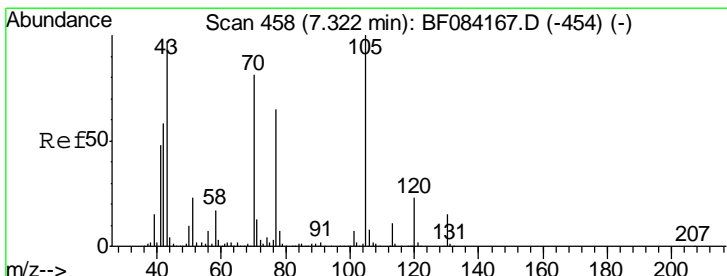
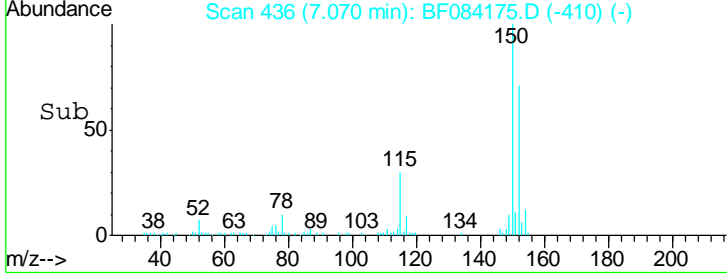
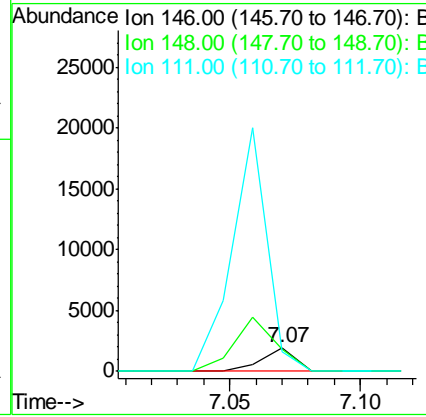
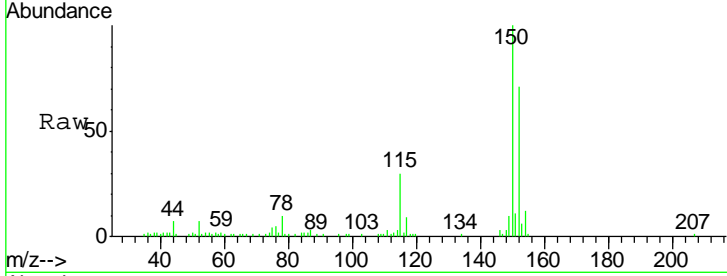




#14  
 1,2-Dichlorobenzene  
 Concen: Below Cal  
 RT: 7.07 min Scan# 436  
 Delta R.T. 0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

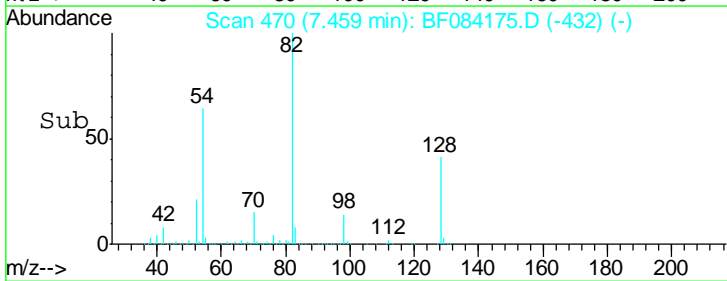
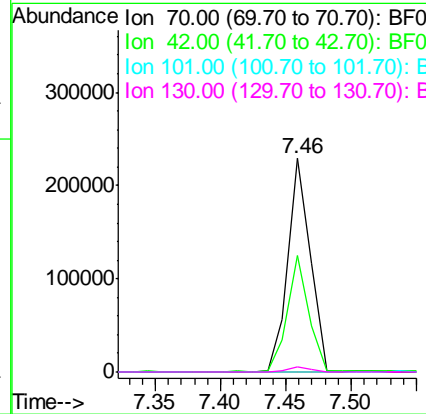
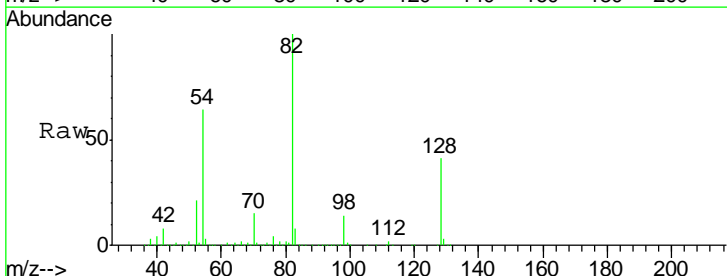
Instrument :  
 BNA\_F  
 ClientSampleId :

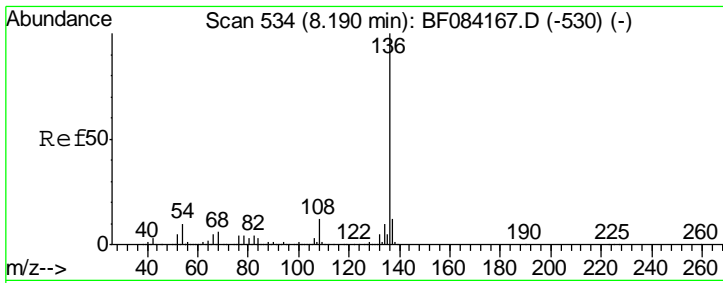
Tgt Ion	Resp	Lower	Upper
146	1747		
148	92.7	51.3	76.9#
111	85.3	45.0	67.4#



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 16.38 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. 0.14 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
70	278793		
42	54.7	57.4	86.0#
101	0.0	7.3	10.9#
130	2.2	14.7	22.1#



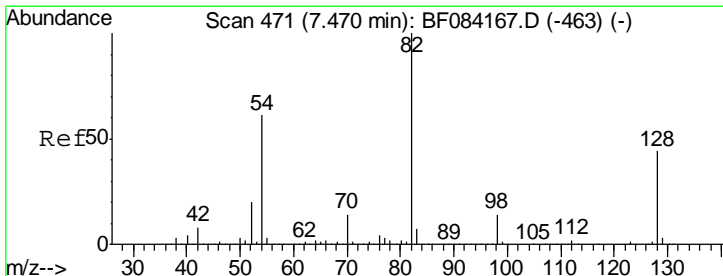
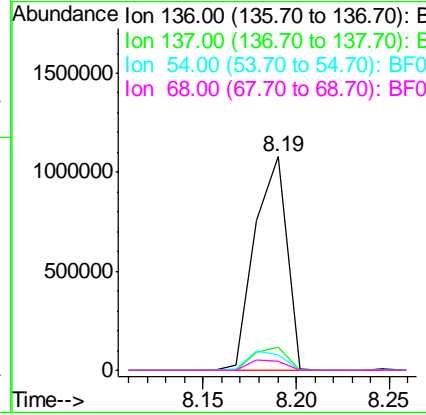
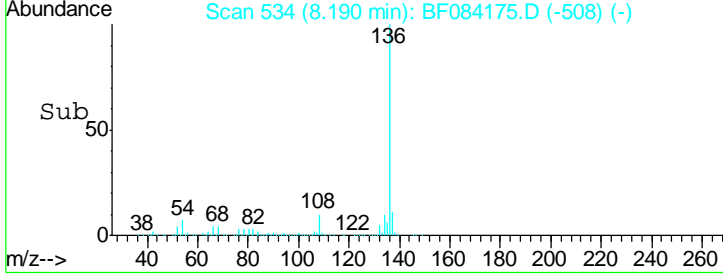
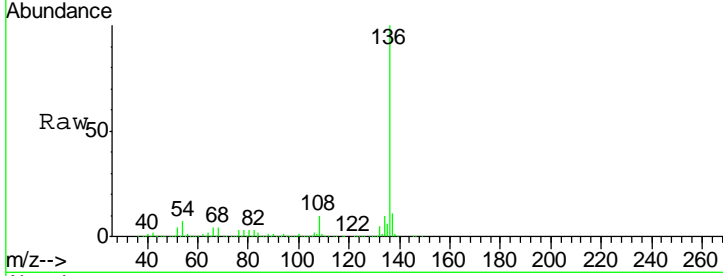


#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.19 min Scan# 534  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion: 136 Resp: 1278376

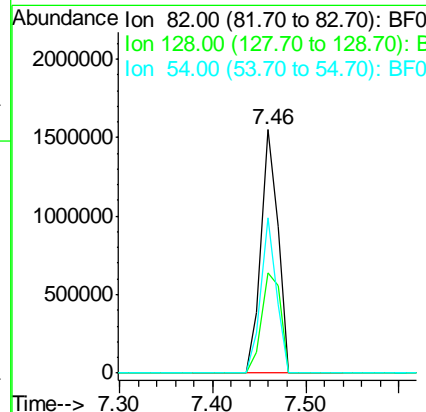
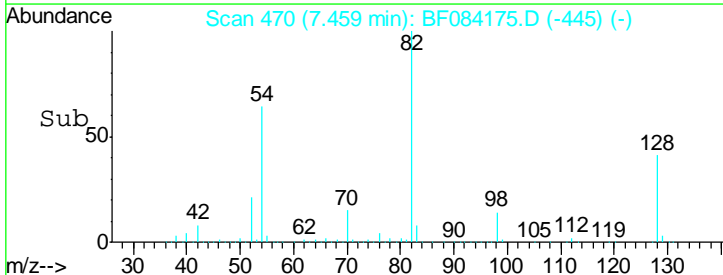
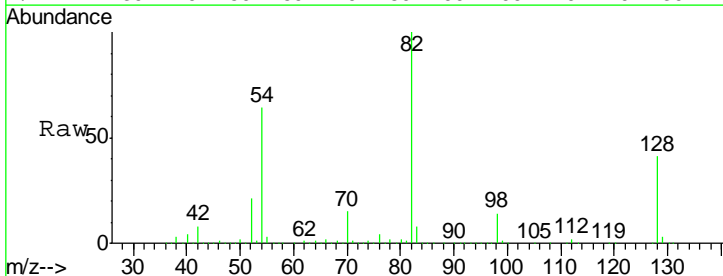
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.4	14.0
54	6.9	7.6	11.4#
68	4.2	4.6	6.8#

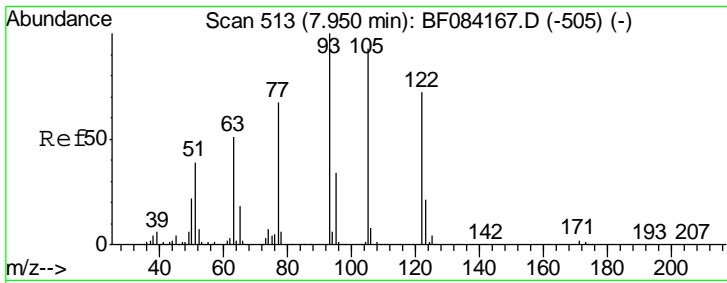


#23  
 Nitrobenzene-d5  
 Concen: 91.25 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. -0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion: 82 Resp: 1974272

Ion	Ratio	Lower	Upper
82	100		
128	41.1	35.0	52.4
54	63.8	48.5	72.7

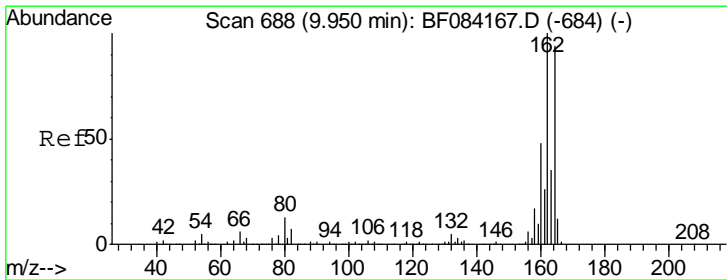
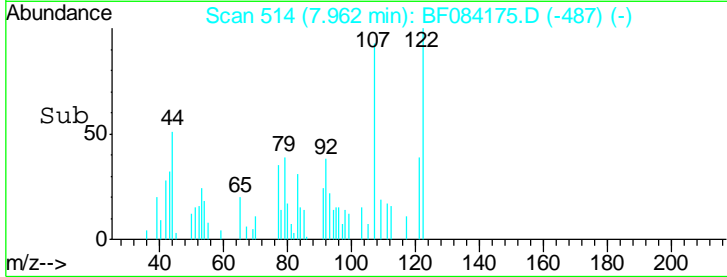
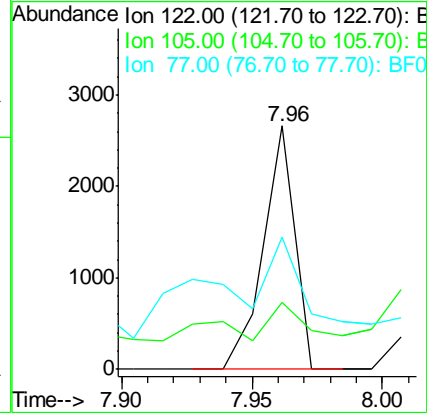
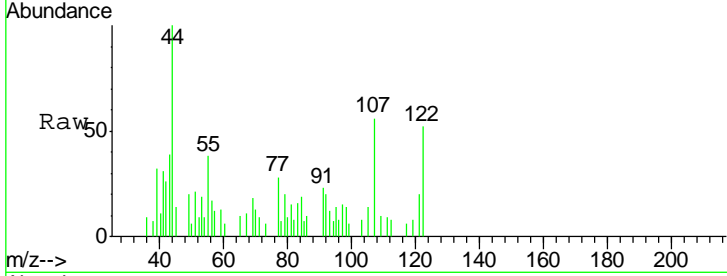




#32  
 Benzoic acid  
 Concen: 3.67 ng  
 RT: 7.96 min Scan# 514  
 Delta R.T. 0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

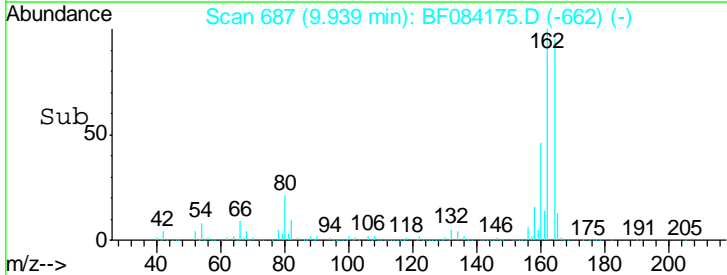
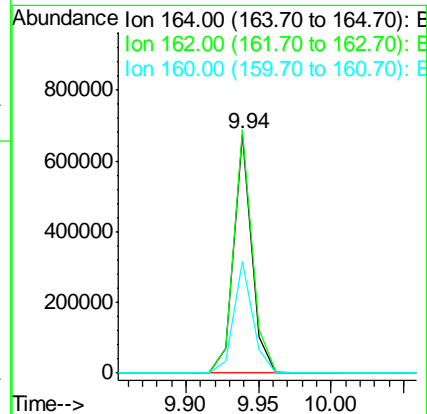
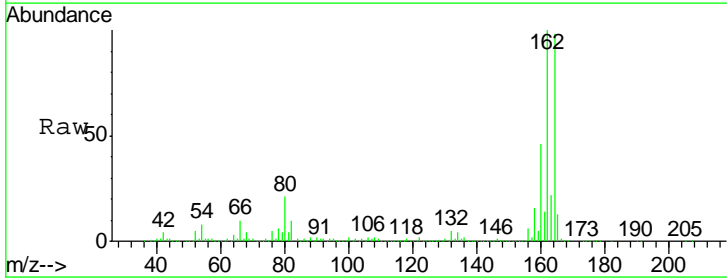
Instrument :  
 BNA\_F  
 ClientSampled :

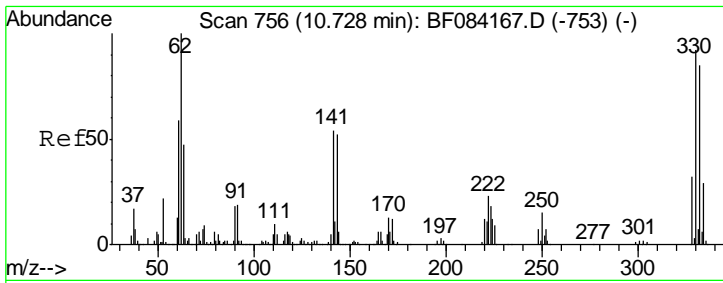
Tgt Ion	Resp	Lower	Upper
122	100		
105	27.7	108.6	148.6#
77	54.5	74.1	114.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.94 min Scan# 687  
 Delta R.T. -0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
164	100		
162	102.1	84.8	127.2
160	47.0	40.4	60.6

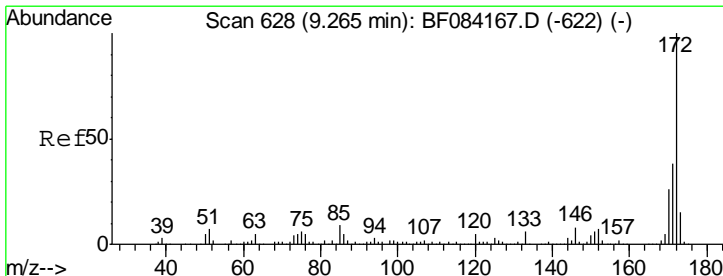
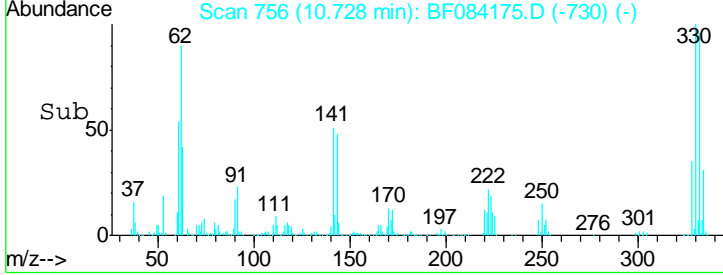
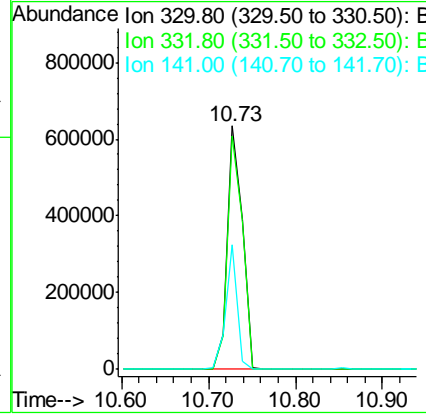
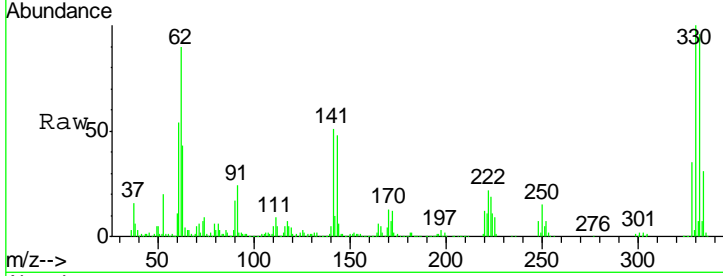




#41  
 2,4,6-Tribromophenol  
 Concen: 133.02 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

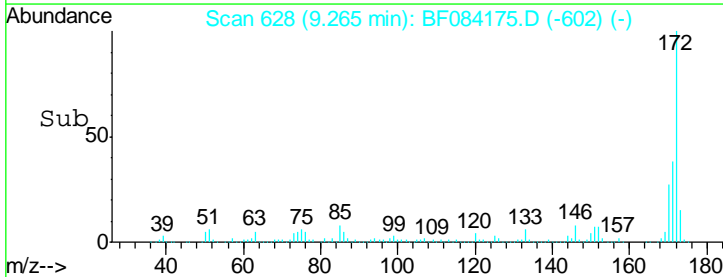
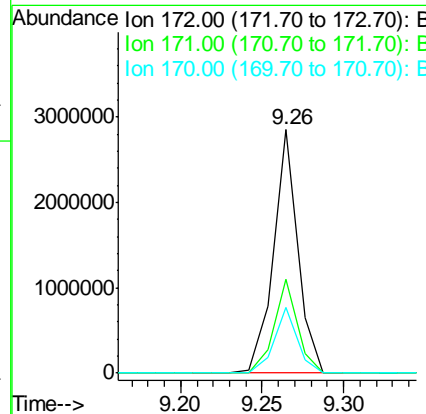
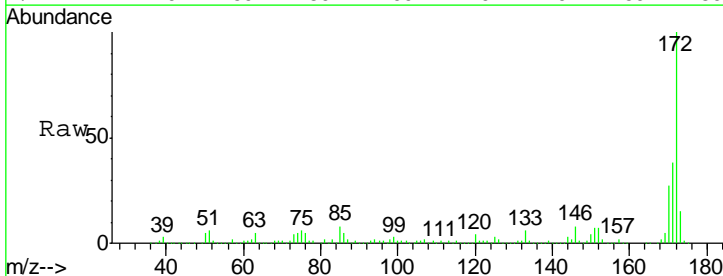
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.9	76.2	114.2
141	39.1	31.3	46.9

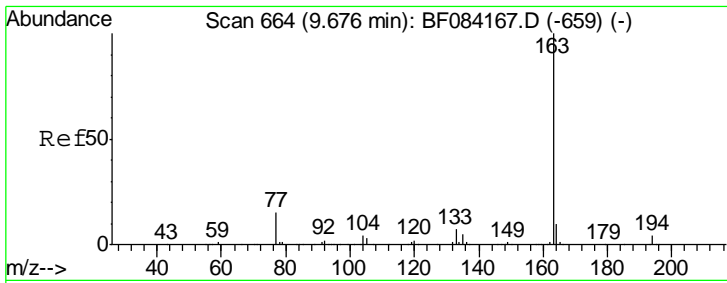


#44  
 2-Fluorobiphenyl  
 Concen: 87.51 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
172	100		
171	38.4	30.6	46.0
170	26.8	20.6	30.8



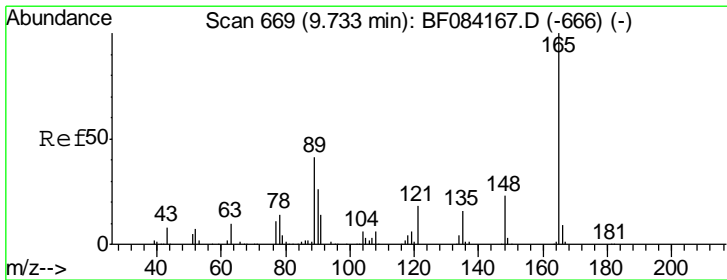
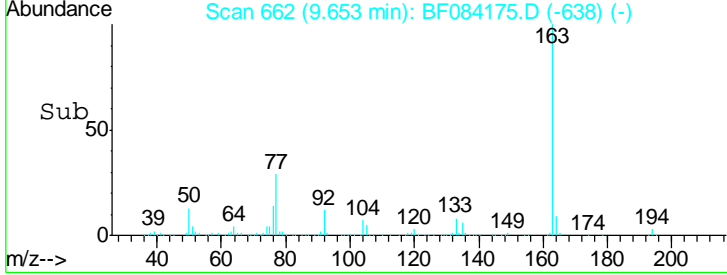
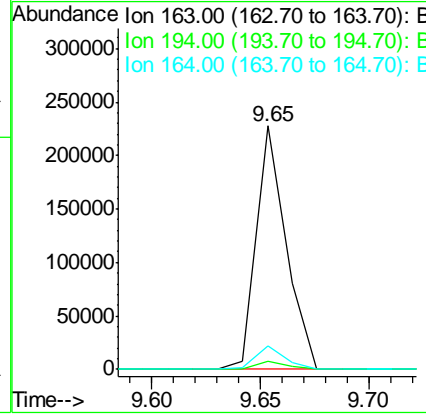
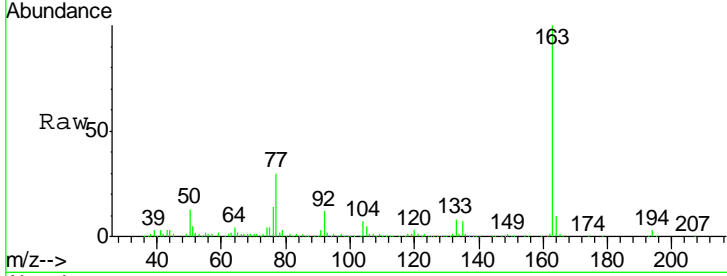




#49  
 Dimethylphthalate  
 Concen: 5.15 ng  
 RT: 9.65 min Scan# 662  
 Delta R.T. -0.02 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

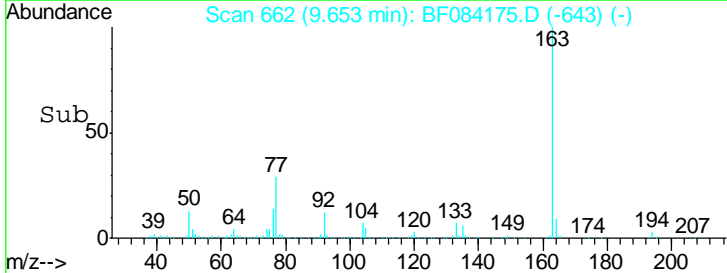
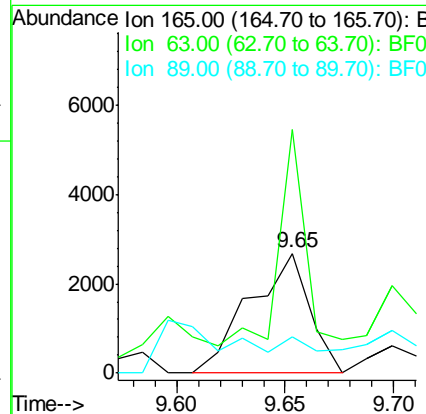
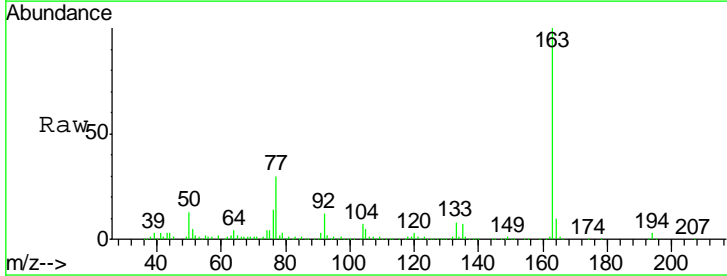
Instrument :  
 BNA\_F  
 ClientSampled :

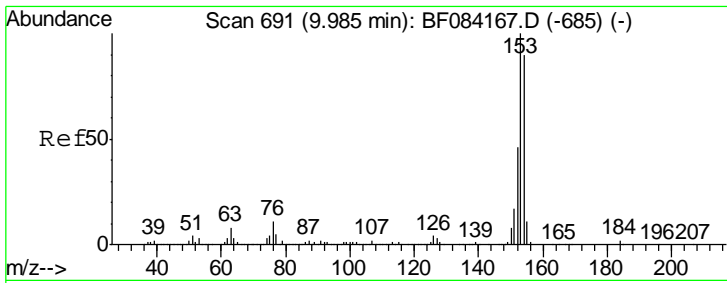
Tgt Ion	Resp	Lower	Upper
163	100		
194	3.1	3.0	4.6
164	9.8	8.2	12.4



#50  
 2,6-Dinitrotoluene  
 Concen: 2.47 ng  
 RT: 9.65 min Scan# 662  
 Delta R.T. -0.08 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
165	100		
63	203.5	28.8	43.2#
89	30.7	32.7	49.1#

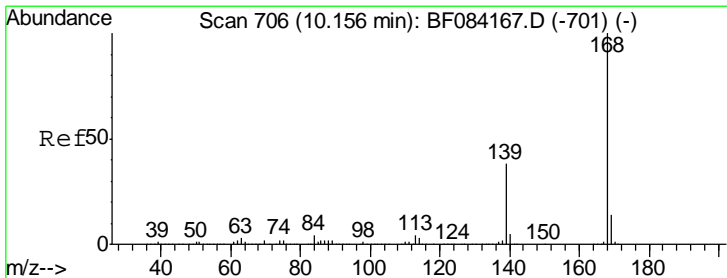
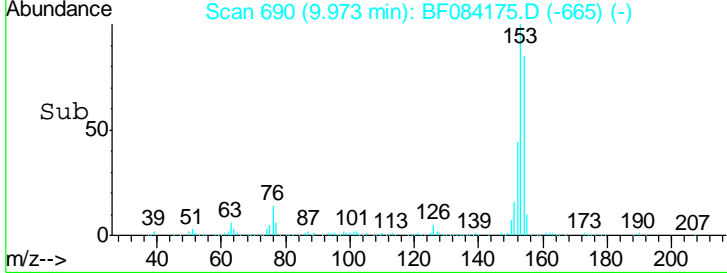
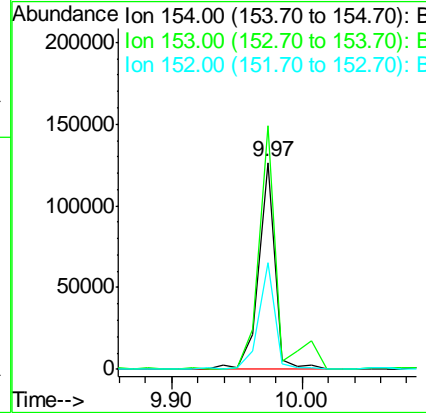
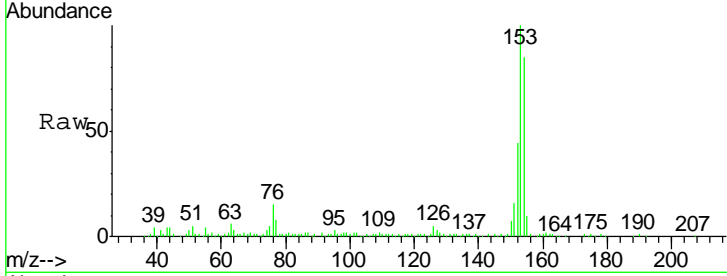




#51  
 Acenaphthene  
 Concen: 3.02 ng  
 RT: 9.97 min Scan# 690  
 Delta R.T. -0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

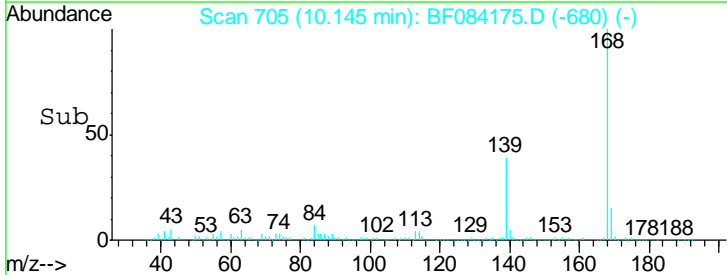
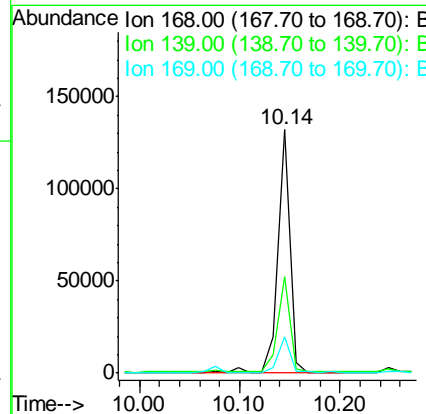
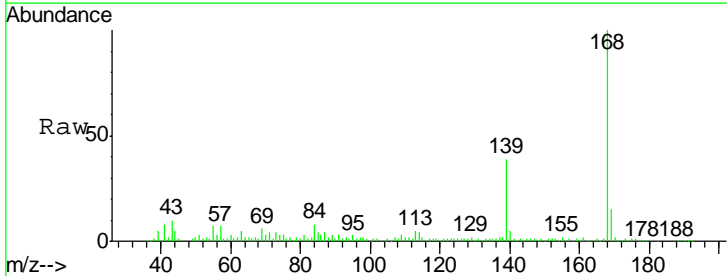
Instrument :  
 BNA\_F  
 ClientSampled :

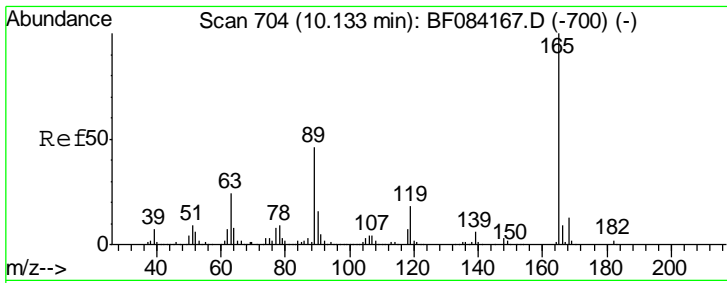
Tgt Ion	Resp	Lower	Upper
154	109965		
153	117.6	89.2	133.8
152	51.7	41.2	61.8



#54  
 Dibenzofuran  
 Concen: 2.60 ng  
 RT: 10.14 min Scan# 705  
 Delta R.T. -0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
168	112513		
168	100		
139	39.4	30.5	45.7
169	14.9	11.1	16.7

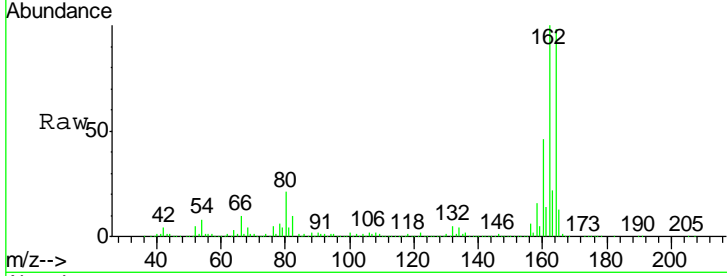




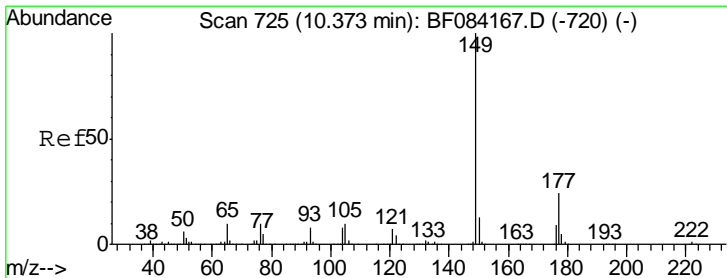
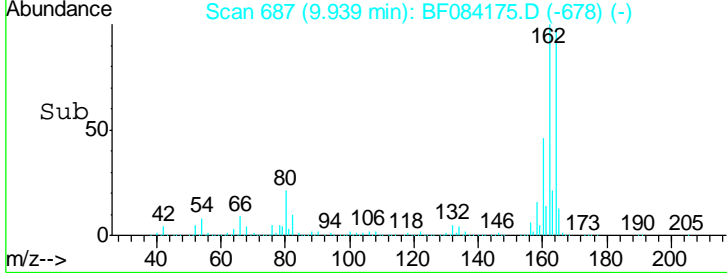
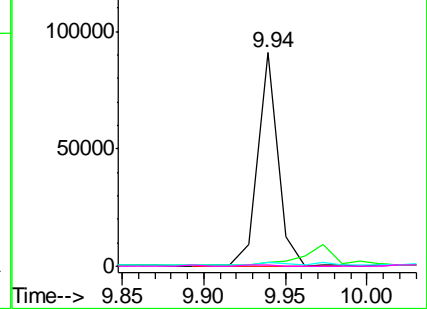
#56  
 2,4-Dinitrotoluene  
 Concen: 7.67 ng  
 RT: 9.94 min Scan# 687  
 Delta R.T. -0.19 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.7	19.4	29.2#
89	2.0	37.0	55.6#
182	0.5	1.8	2.8#

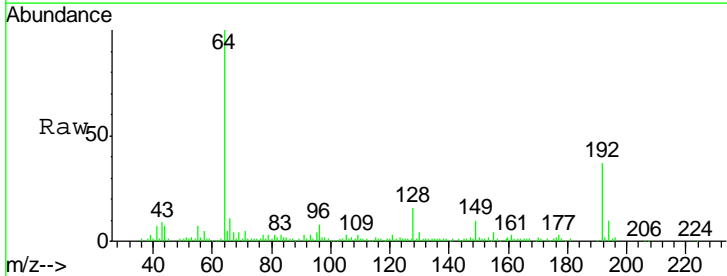


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

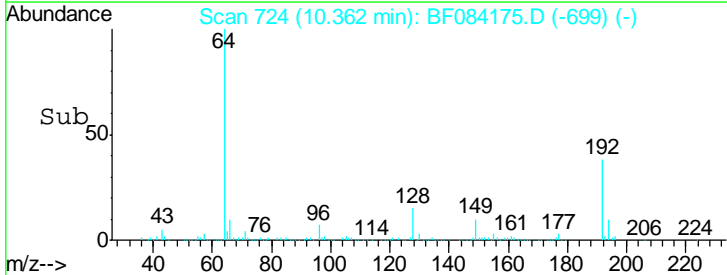
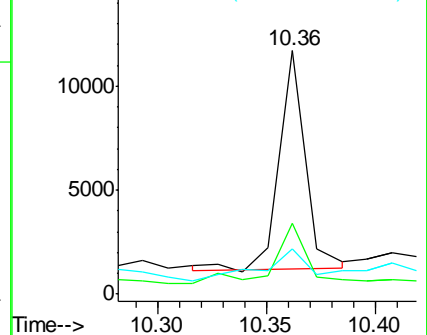


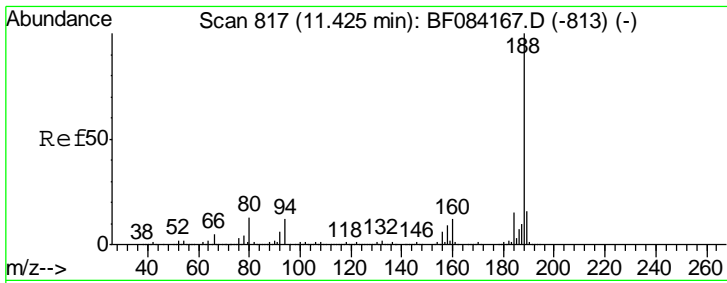
#59  
 Diethylphthalate  
 Concen: Below Cal  
 RT: 10.36 min Scan# 724  
 Delta R.T. -0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
149	100		
177	29.1	19.1	28.7#
150	18.7	10.6	15.8#



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

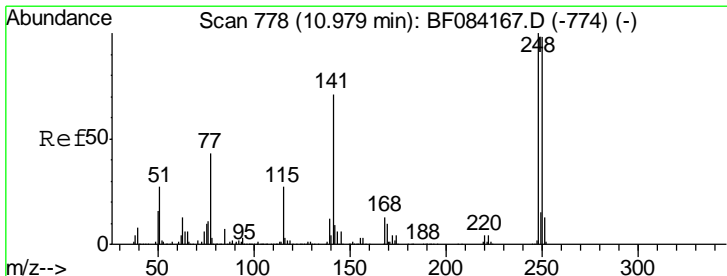
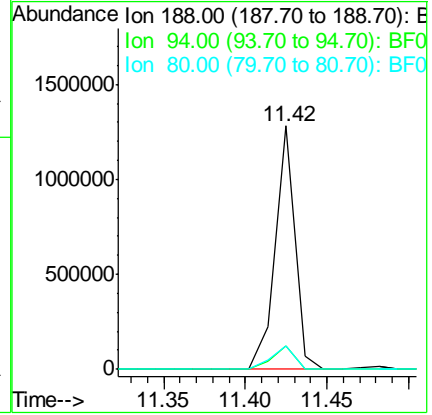
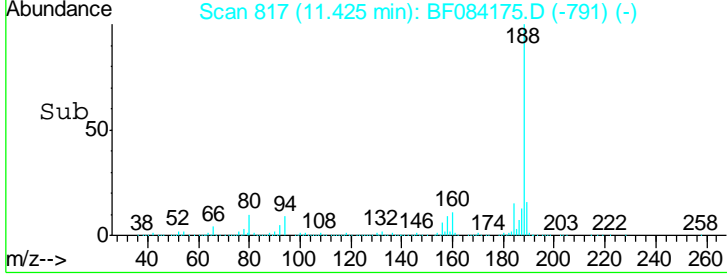
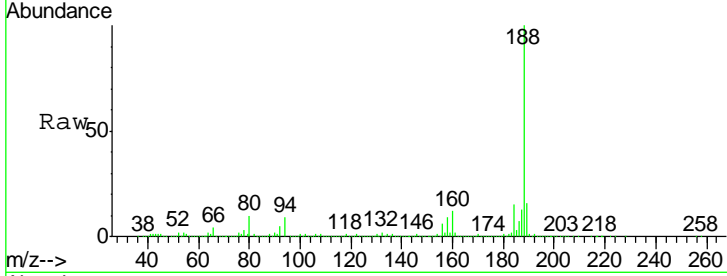




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.42 min Scan# 817  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

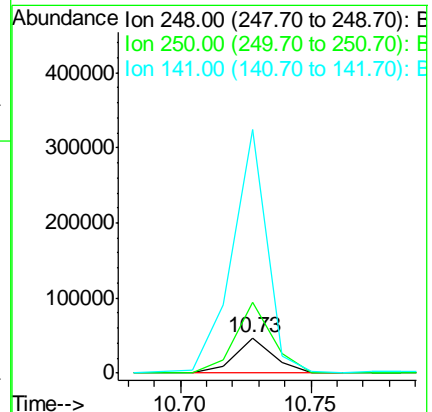
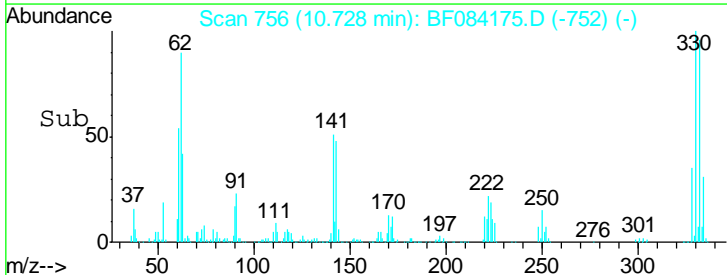
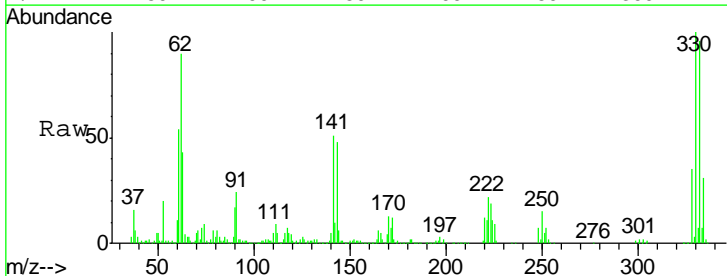
Instrument :  
 BNA\_F  
 ClientSampled :

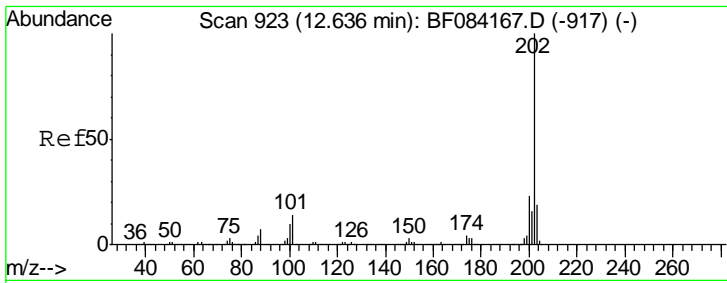
Tgt Ion	Resp	Lower	Upper
188	1083931		
94	100	9.2	13.8
80	100	10.1	15.1#



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.16 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.25 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
248	48330		
250	100	78.7	118.1#
141	100	57.1	85.7#

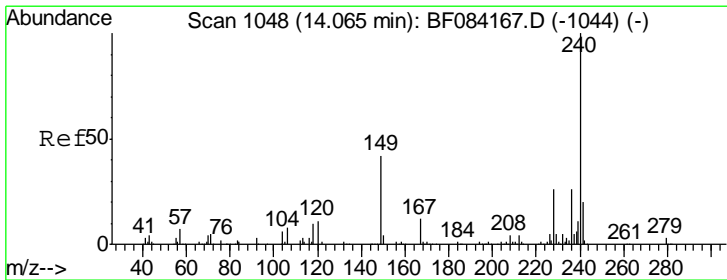
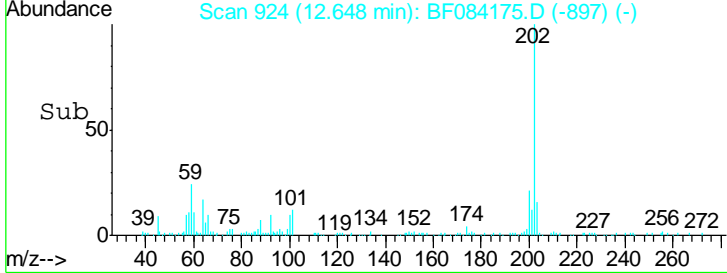
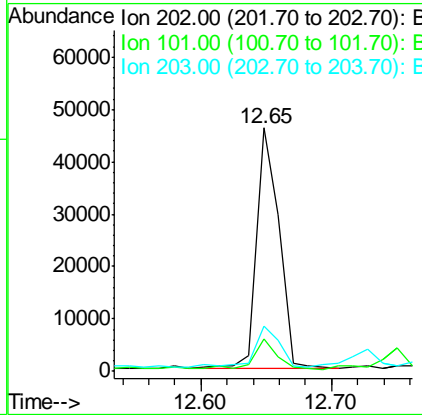
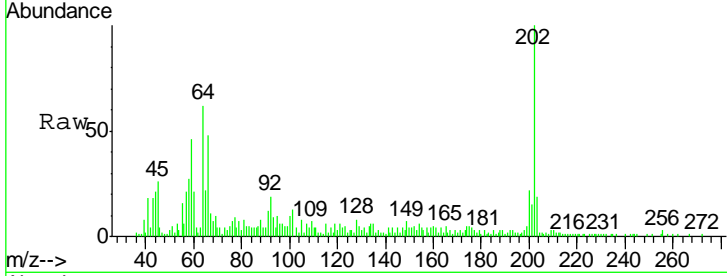




#74  
 Fluoranthene  
 Concen: Below Cal  
 RT: 12.65 min Scan# 924  
 Delta R.T. 0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

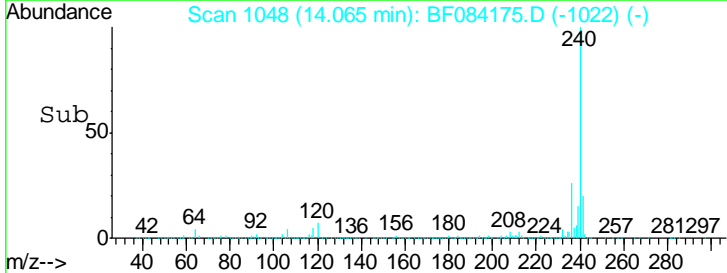
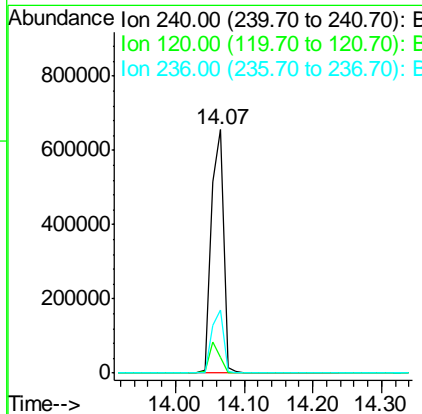
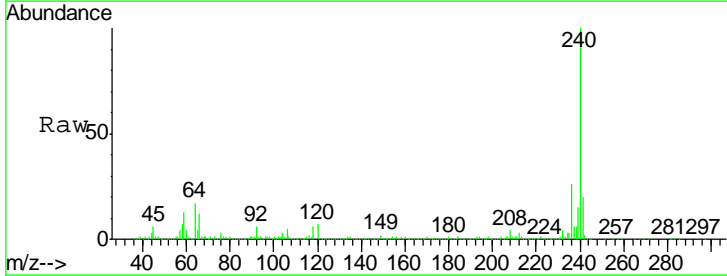
Instrument :  
 BNA\_F  
 ClientSampled :

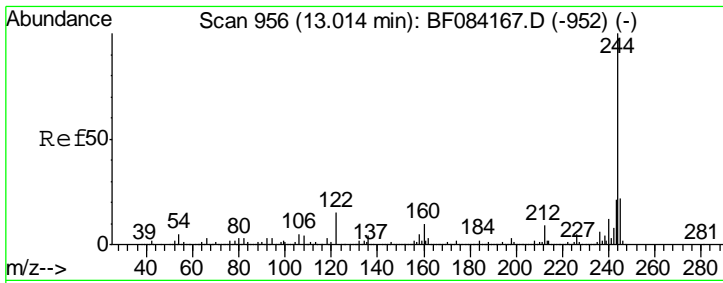
Tgt Ion	Resp	Lower	Upper
202	55755		
101	13.3	0.0	34.0
203	18.7	0.0	39.2



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.07 min Scan# 1048  
 Delta R.T. -0.00 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion	Resp	Lower	Upper
240	831250		
120	6.6	8.8	13.2#
236	26.0	20.8	31.2



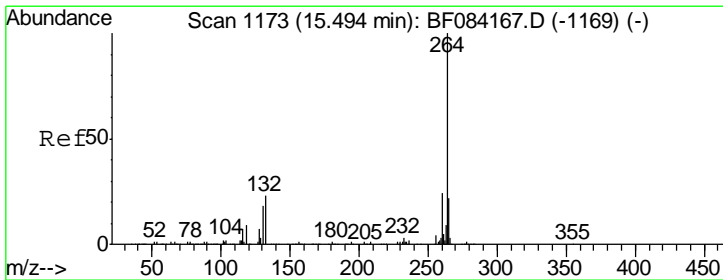
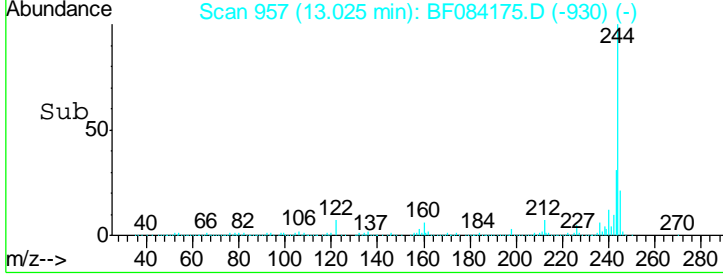
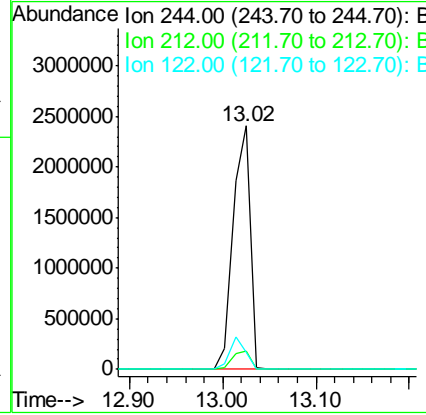
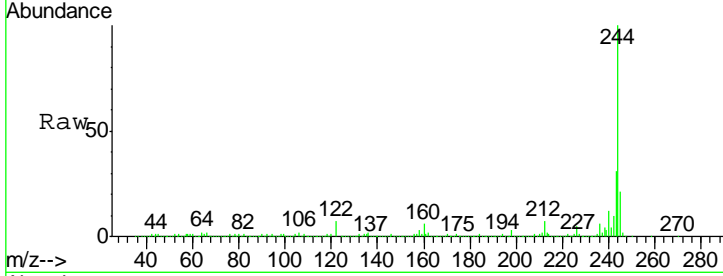


#78  
 Terphenyl-d14  
 Concen: 87.42 ng  
 RT: 13.02 min Scan# 957  
 Delta R.T. 0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion: 244 Resp: 3085413

Ion	Ratio	Lower	Upper
244	100		
212	7.3	7.0	10.4
122	6.8	11.9	17.9#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.51 min Scan# 1174  
 Delta R.T. 0.01 min  
 Lab File: BF084175.D  
 Acq: 31 Dec 2015 5:11

Tgt Ion: 264 Resp: 594299

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.9	28.3
265	21.5	18.0	27.0

