

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\  
 Data File : BF096794.D  
 Acq On : 15 Jul 2017 1:47  
 Operator : SJ/JU  
 Sample : I4187-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 15 02:29:03 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

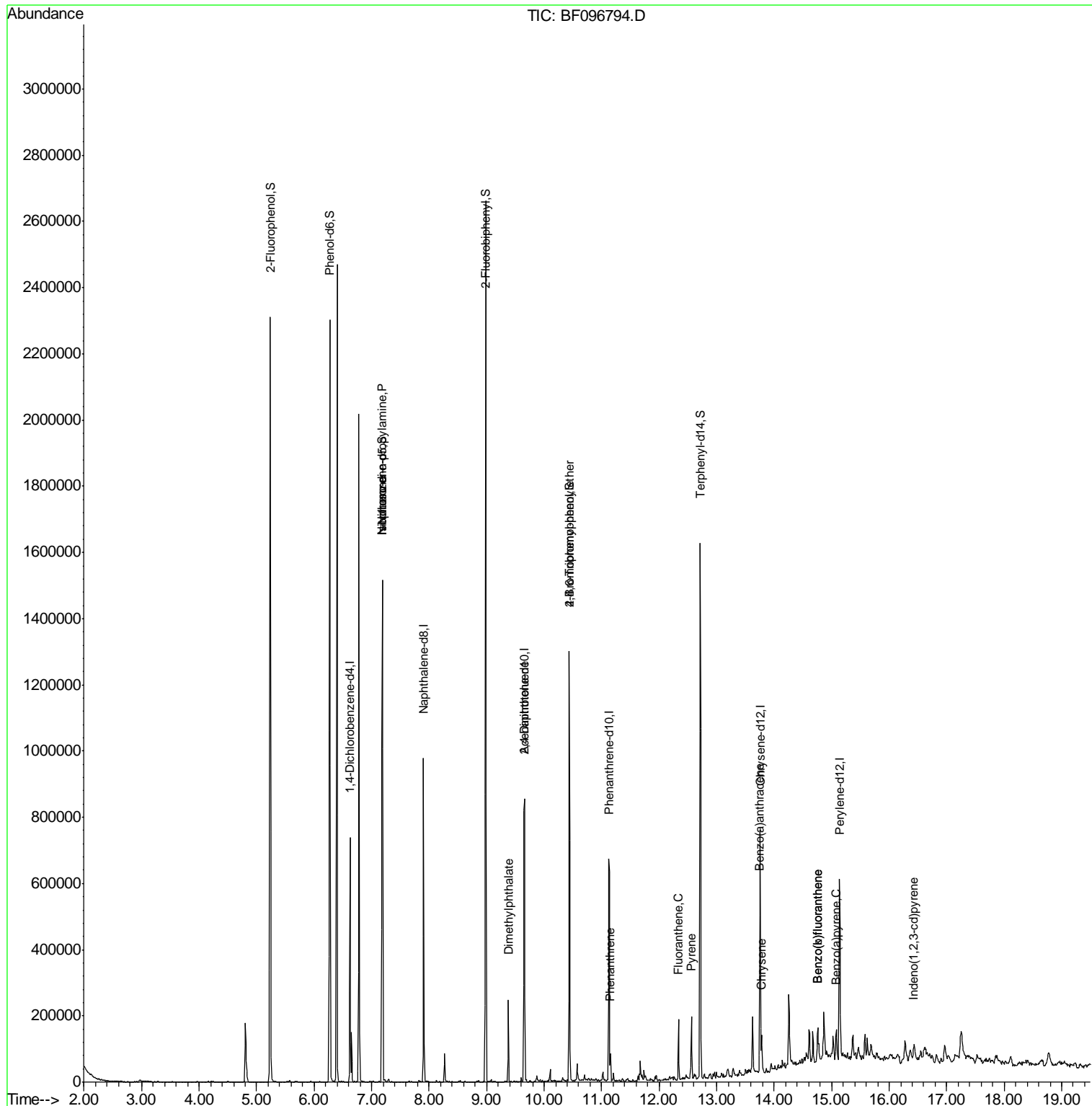
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	6.62	152	103289	20.00	ng	-0.01	
21) Naphthalene-d8	7.90	136	428131	20.00	ng	-0.02	
38) Acenaphthene-d10	9.66	164	174588	20.00	ng	-0.01	
63) Phenanthrene-d10	11.13	188	248839	20.00	ng	-0.02	
75) Chrysene-d12	13.76	240	210890	20.00	ng	-0.02	
86) Perylene-d12	15.14	264	212956	20.00	ng	-0.02	
System Monitoring Compounds							
5) 2-Fluorophenol	5.24	112	669255	97.42	ng	0.00	
7) Phenol-d6	6.27	99	790779	95.93	ng	0.00	
23) Nitrobenzene-d5	7.19	82	471661	68.24	ng	-0.02	
41) 2,4,6-Tribromophenol	10.44	330	135218	90.73	ng	-0.02	
44) 2-Fluorobiphenyl	8.99	172	816970	73.93	ng	-0.01	
78) Terphenyl-d14	12.72	244	481536	39.60	ng	-0.02	
Target Compounds							
19) n-Nitroso-di-n-propylamine	7.19	70	63524	12.79	ng	#	87
25) Isophorone	7.19	82	470818	36.62	ng	#	67
49) Dimethylphthalate	9.38	163	96250	7.32	ng		98
56) 2,4-Dinitrotoluene	9.66	165	22689	6.20	ng	#	33
66) 4-Bromophenyl-phenylether	10.44	248	8502	3.35	ng	#	1
70) Phenanthrene	11.15	178	37064	2.74	ng		97
74) Fluoranthene	12.34	202	71906	5.55	ng		97
77) Pyrene	12.56	202	69658	3.64	ng		99
80) Benzo(a)anthracene	13.74	228	35076	2.67	ng		96
82) Chrysene	13.78	228	36029	2.79	ng		97
85) Indeno(1,2,3-cd)pyrene	16.43	276	21362	5.04	ng		97
87) Benzo(b)fluoranthene	14.76	252	64295	5.01	ng	#	94
88) Benzo(k)fluoranthene	14.76	252	64295	5.29	ng		98
89) Benzo(a)pyrene	15.08	252	34140	2.90	ng	#	96

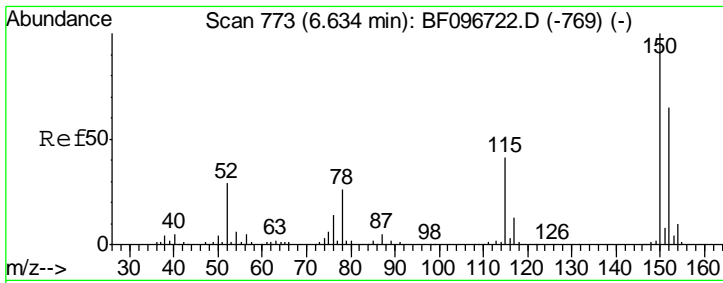
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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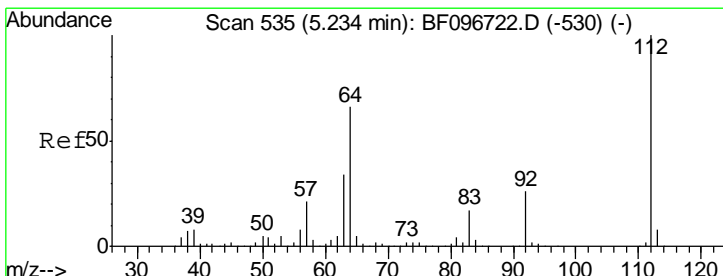
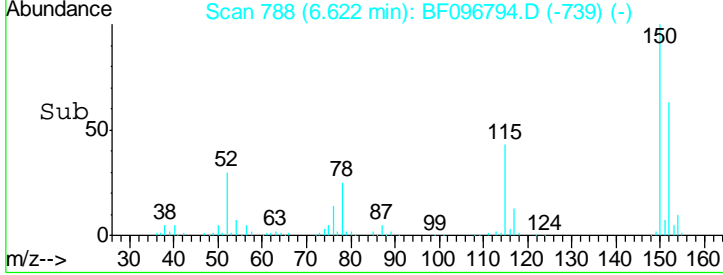
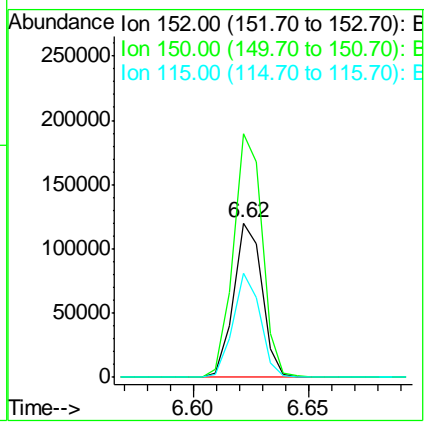
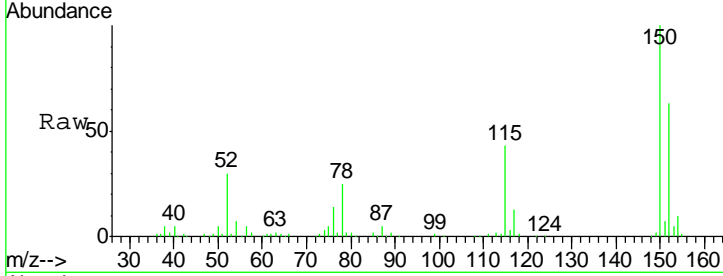


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.62 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:152 Resp: 103289

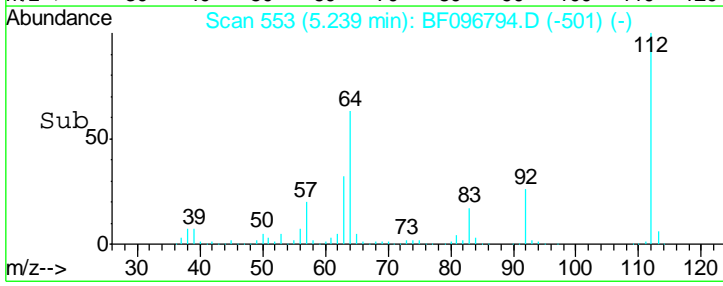
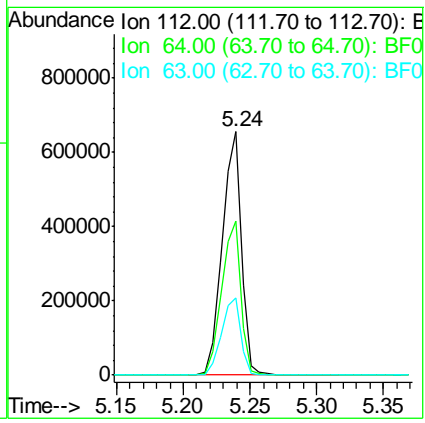
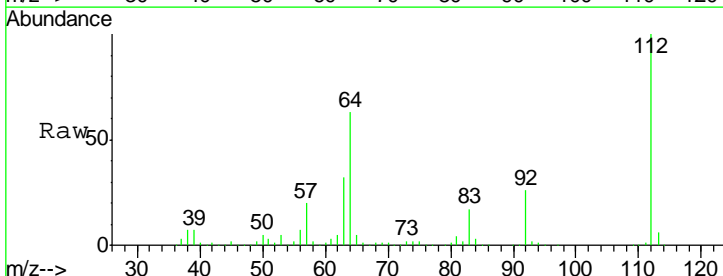
Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	67.1	52.2	78.2

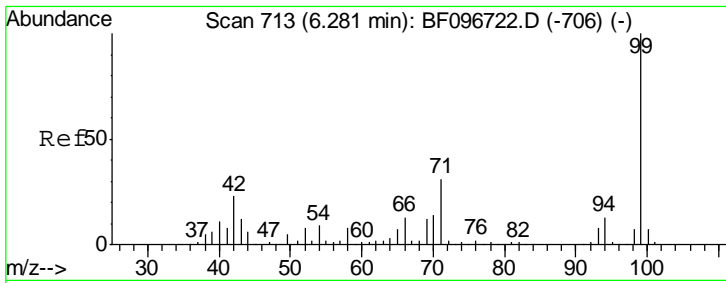


#5  
 2-Fluorophenol  
 Concen: 97.42 ng  
 RT: 5.24 min Scan# 553  
 Delta R.T. 0.01 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion:112 Resp: 669255

Ion	Ratio	Lower	Upper
112	100		
64	63.2	46.0	69.0
63	31.9	23.4	35.0

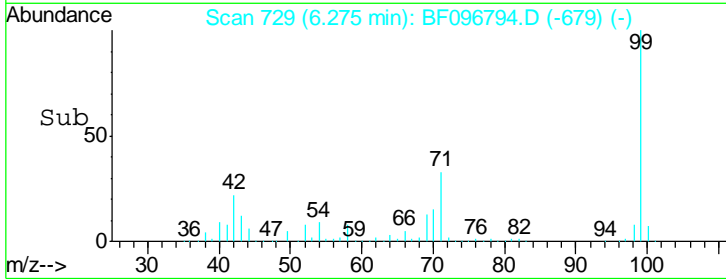
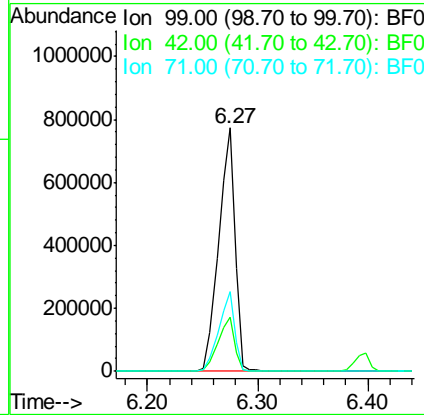
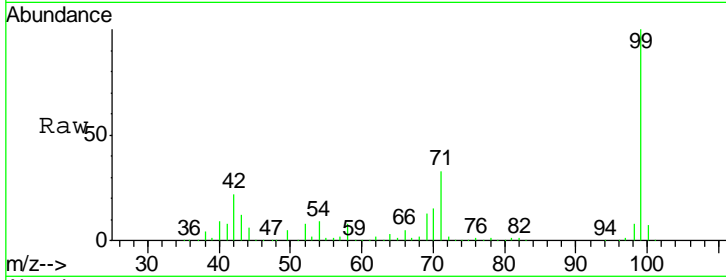




#7  
 Phenol-d6  
 Concen: 95.93 ng  
 RT: 6.27 min Scan# 729  
 Delta R.T. -0.01 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

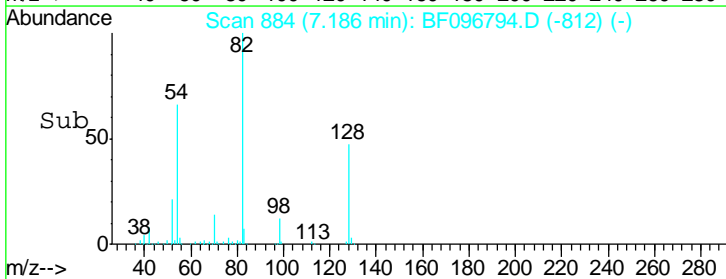
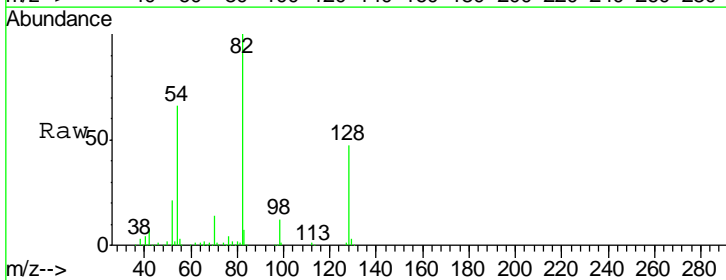
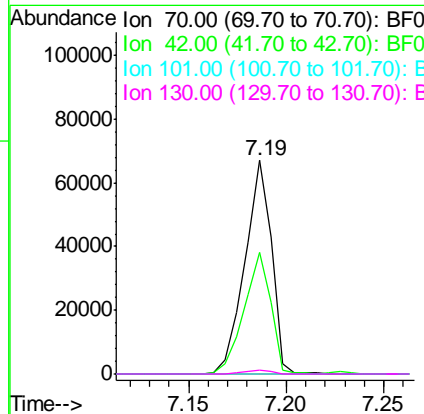
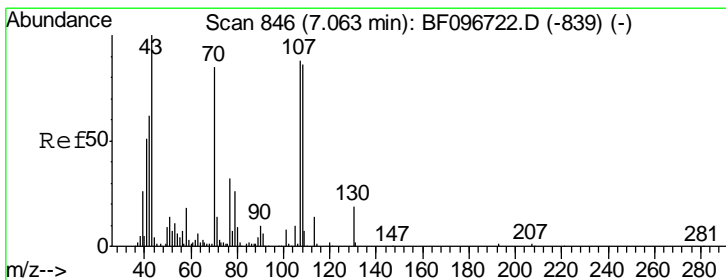
Instrument :  
 BNA\_F  
 ClientSampled :

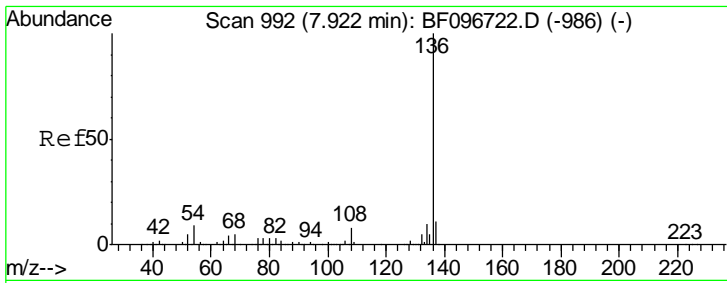
Tgt Ion	Resp	Lower	Upper
99	790779		
42	22.5	13.5	20.3#
71	33.0	24.5	36.7



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 12.79 ng  
 RT: 7.19 min Scan# 884  
 Delta R.T. 0.12 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
70	63524		
42	57.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#

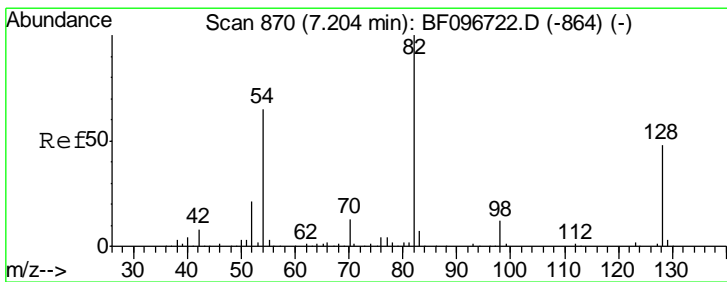
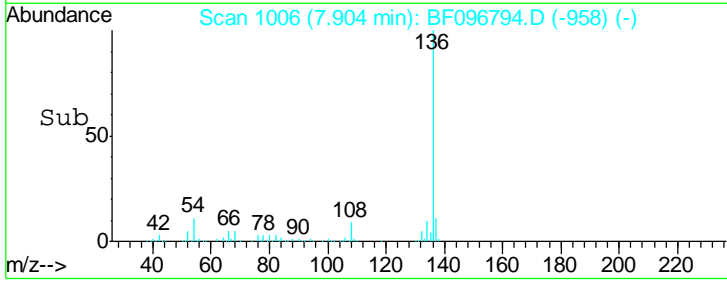
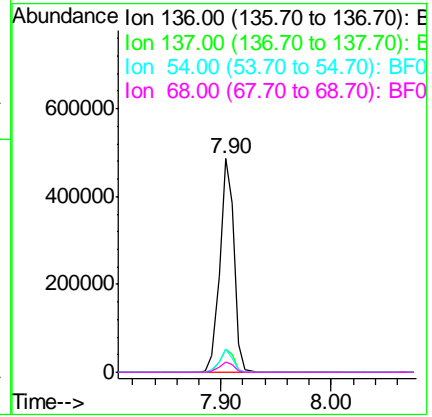
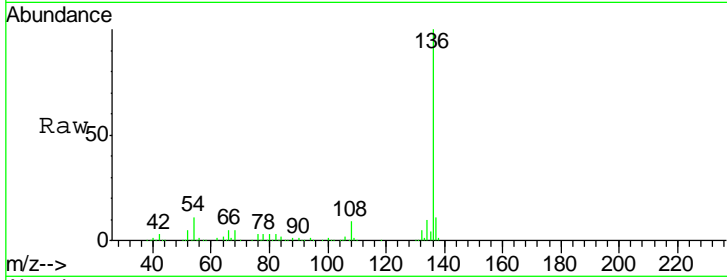




#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 7.90 min Scan# 1006  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

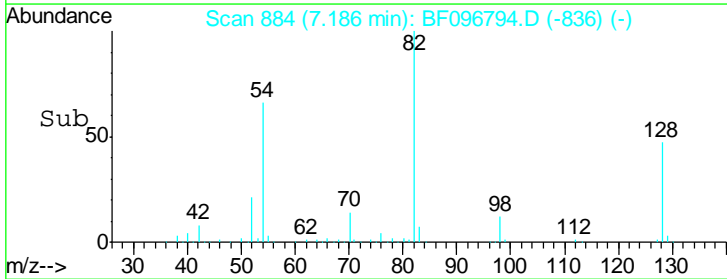
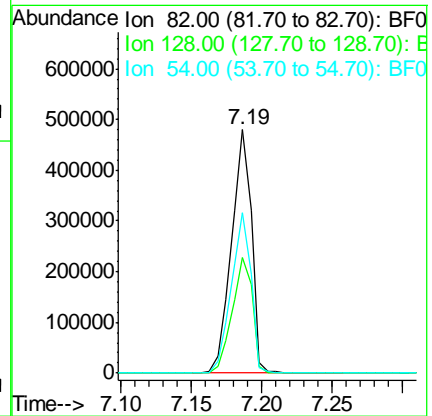
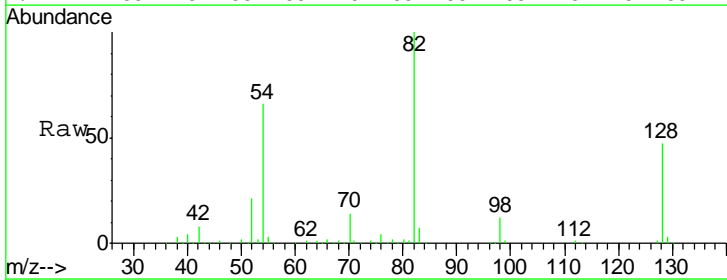
Instrument :  
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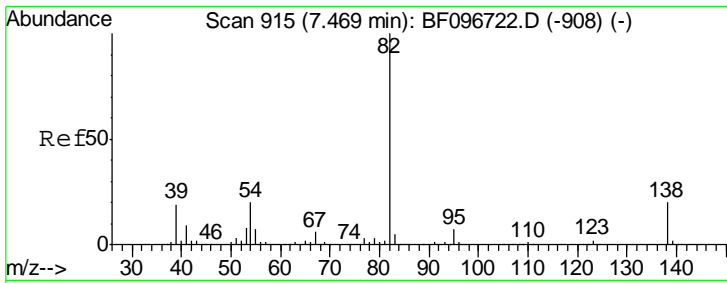
Tgt Ion	Resp	Lower	Upper
136	428131		
137	10.9	8.5	12.7
54	10.8	4.9	7.3#
68	4.7	4.1	6.1



#23  
 Nitrobenzene-d5  
 Concen: 68.24 ng  
 RT: 7.19 min Scan# 884  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
82	471661		
128	47.4	34.0	51.0
54	65.7	42.2	63.2#

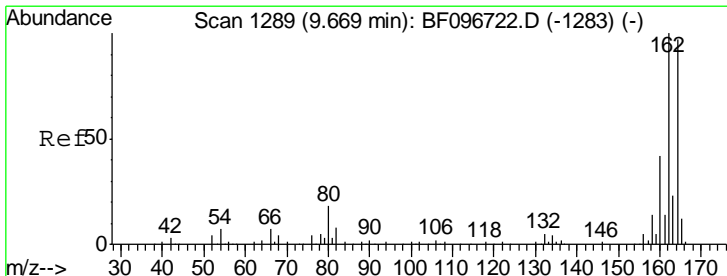
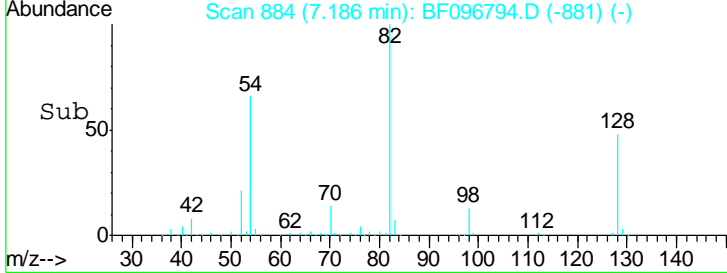
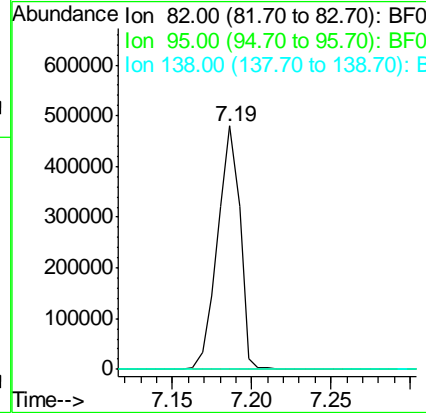
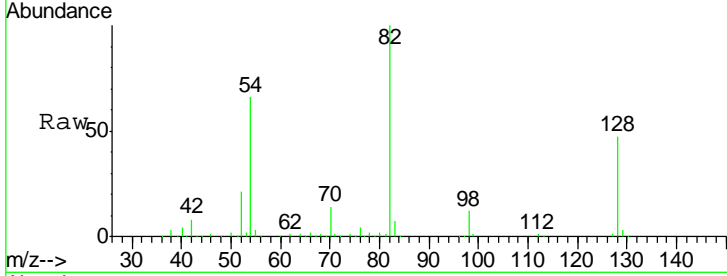




#25  
 Isophorone  
 Concen: 36.62 ng  
 RT: 7.19 min Scan# 884  
 Delta R.T. -0.28 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

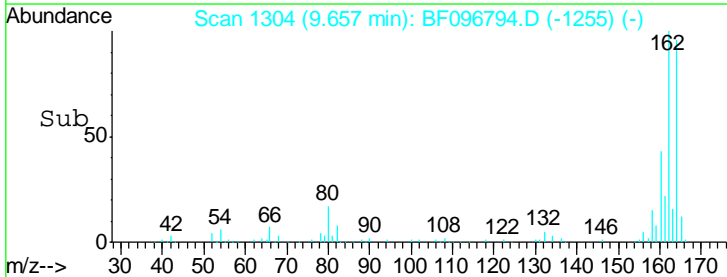
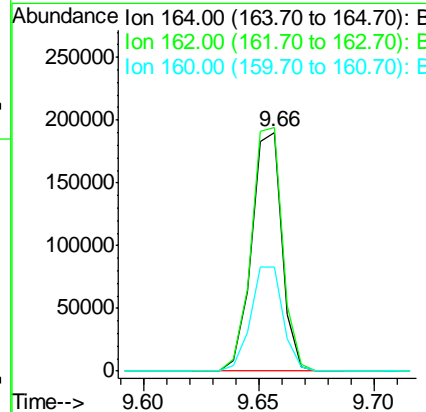
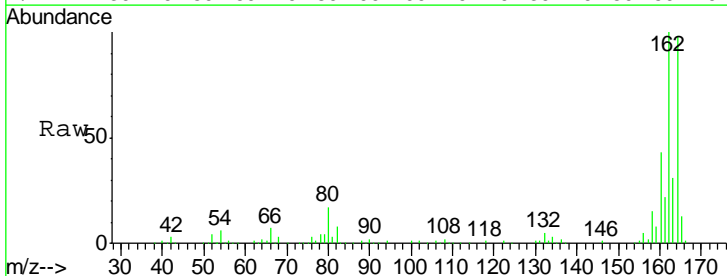
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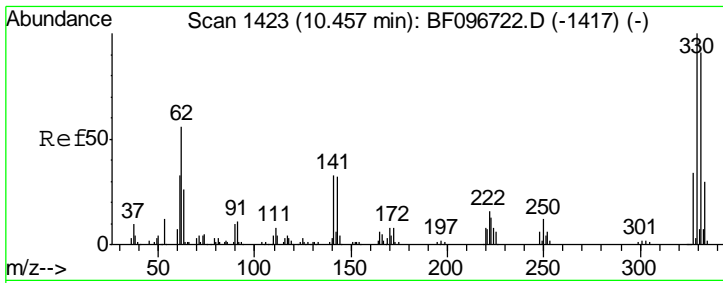
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.66 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	43.9	36.2	54.2

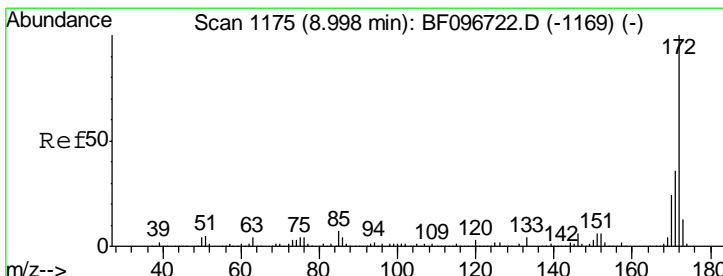
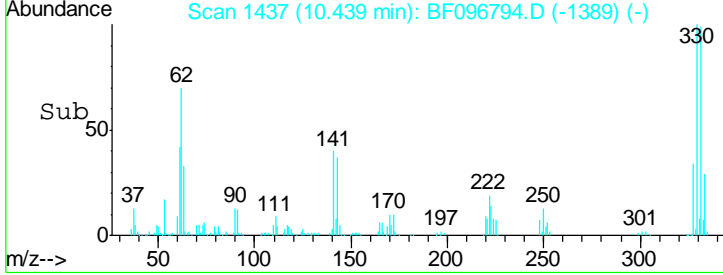
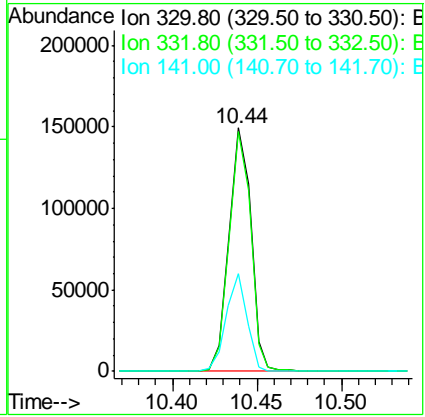
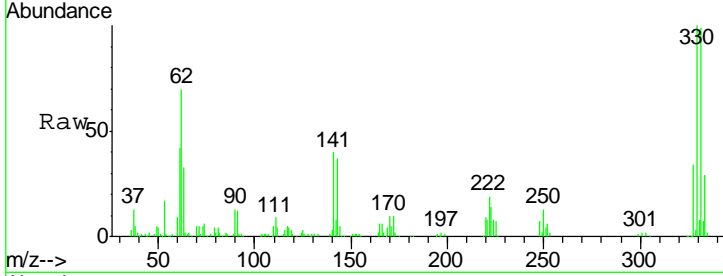




#41  
 2,4,6-Tribromophenol  
 Concen: 90.73 ng  
 RT: 10.44 min Scan# 1437  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

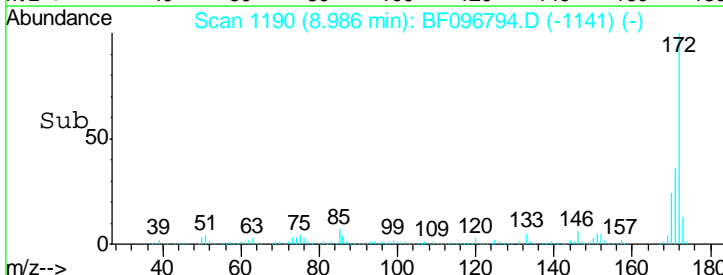
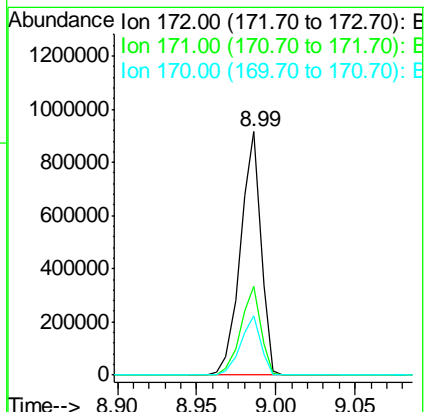
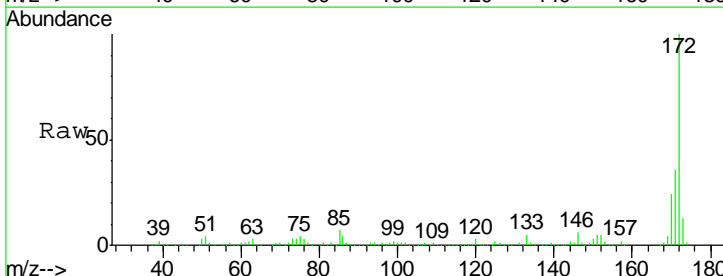
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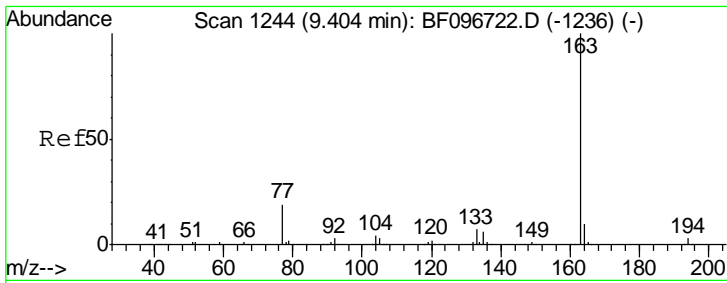
Tgt Ion	Resp	Lower	Upper
330	135218		
332	97.1	76.6	115.0
141	37.9	31.4	47.2



#44  
 2-Fluorobiphenyl  
 Concen: 73.93 ng  
 RT: 8.99 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
172	816970		
171	36.3	29.6	44.4
170	24.2	19.8	29.8

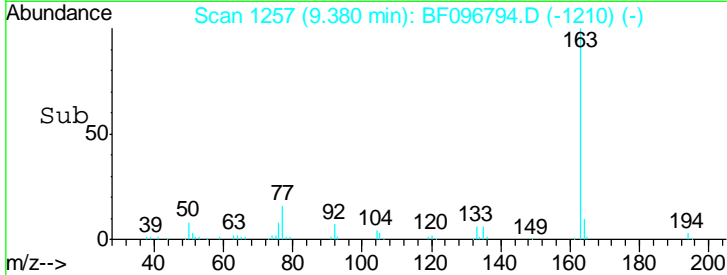
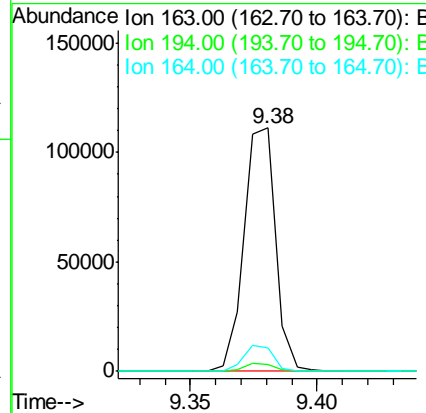
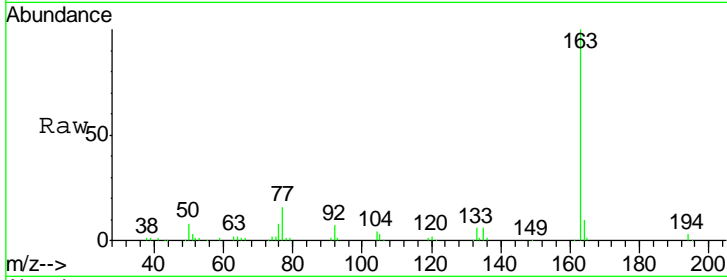




#49  
 Dimethylphthalate  
 Concen: 7.32 ng  
 RT: 9.38 min Scan# 1257  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

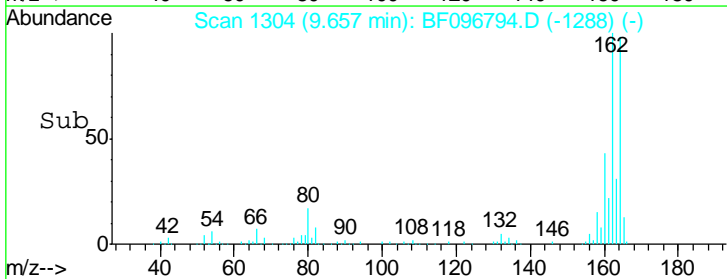
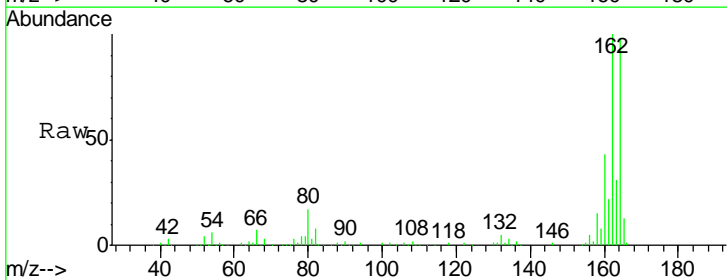
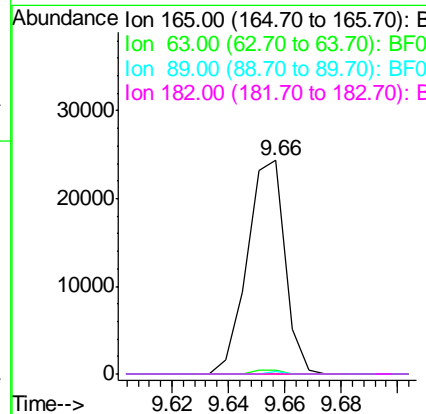
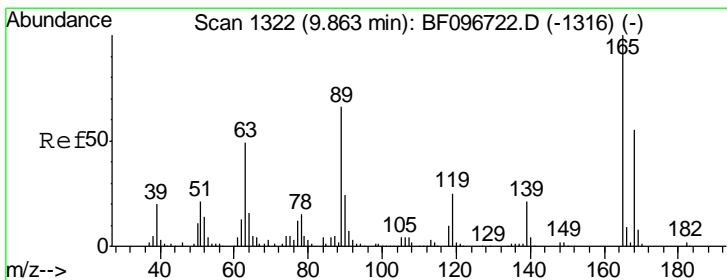
Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
163	96250		
194	3.0	2.6	4.0
164	9.5	8.4	12.6

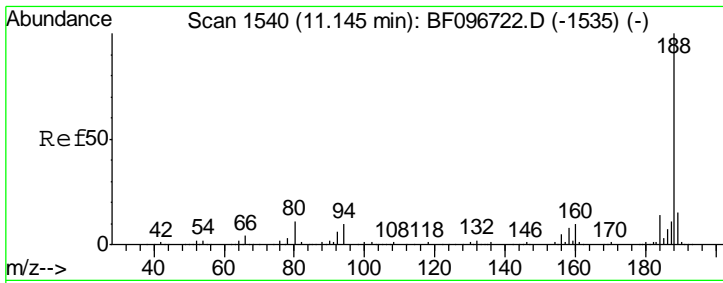


#56  
 2,4-Dinitrotoluene  
 Concen: 6.20 ng  
 RT: 9.66 min Scan# 1304  
 Delta R.T. -0.21 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
165	22689		
63	1.7	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



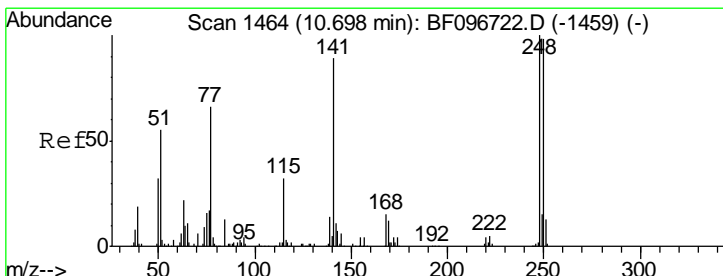
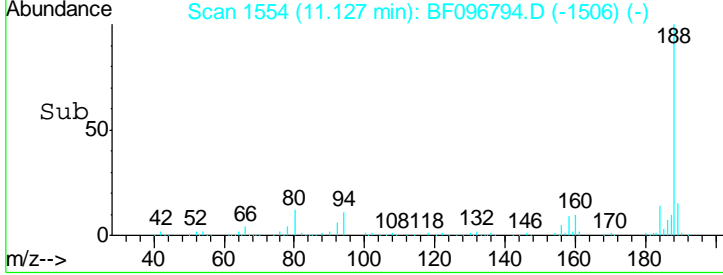
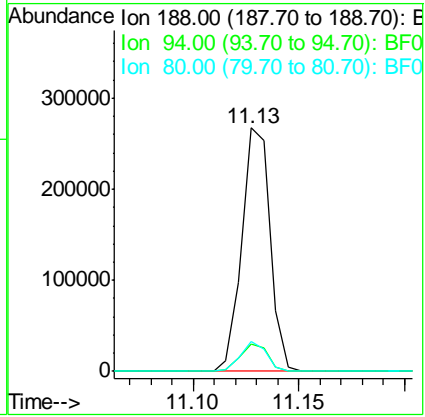
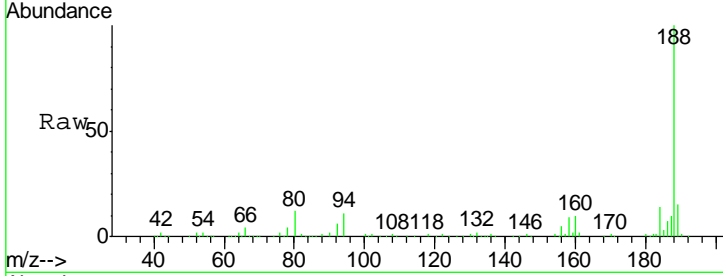




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 1554  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

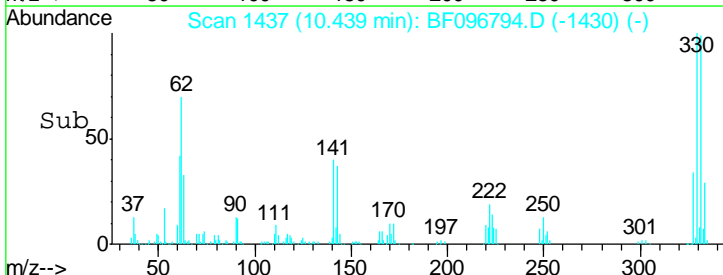
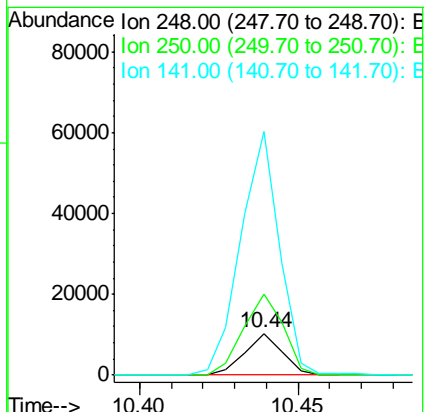
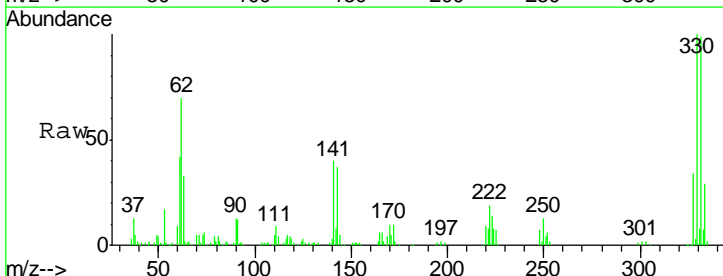
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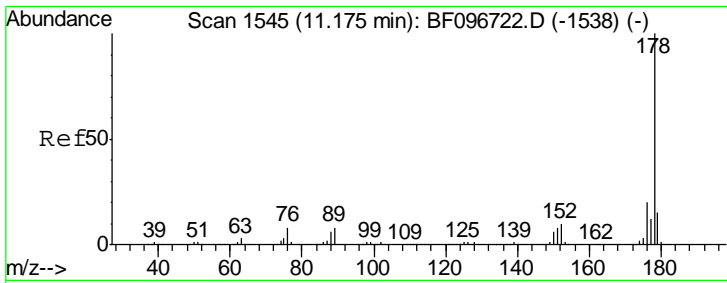
Tgt Ion	Resp	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.1	10.2	15.2



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.35 ng  
 RT: 10.44 min Scan# 1437  
 Delta R.T. -0.26 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
248	100		
250	194.2	76.8	115.2#
141	581.2	68.6	103.0#

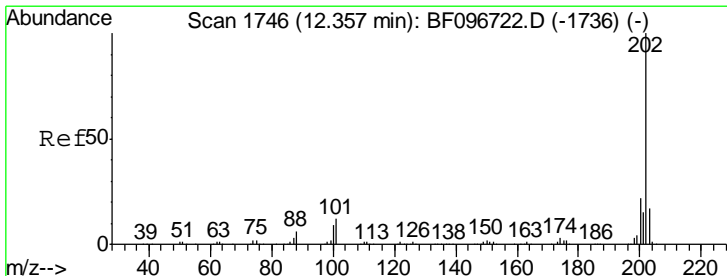
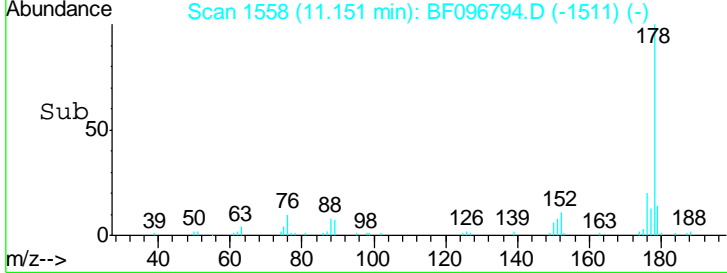
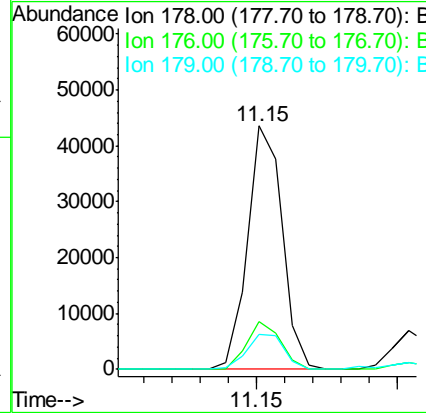
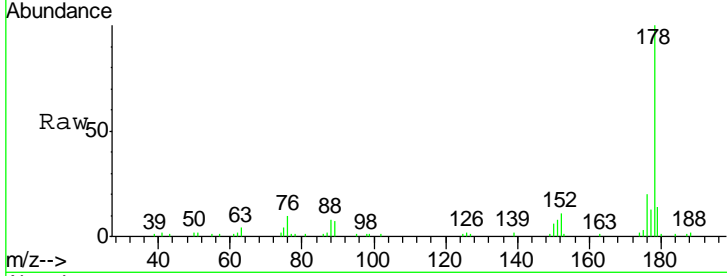




#70  
 Phenanthrene  
 Concen: 2.74 ng  
 RT: 11.15 min Scan# 1558  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

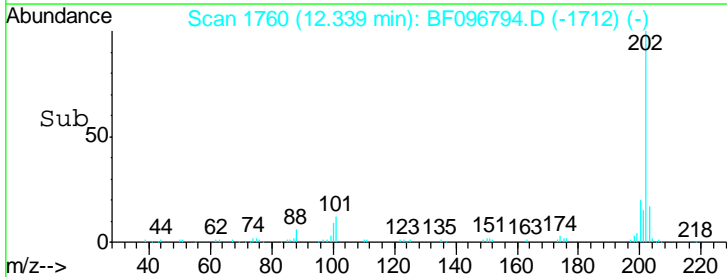
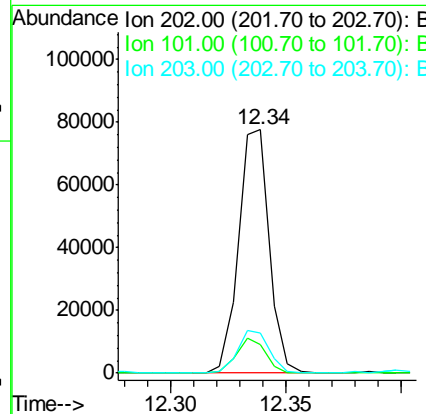
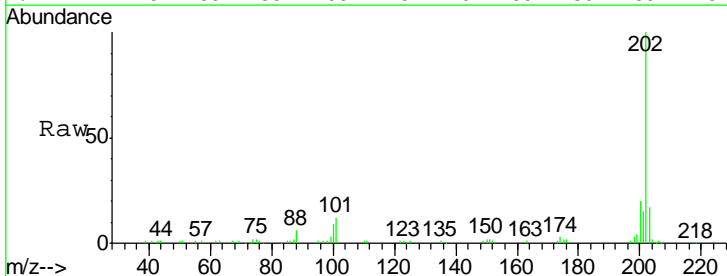
Instrument :  
 BNA\_F  
 ClientSampled :

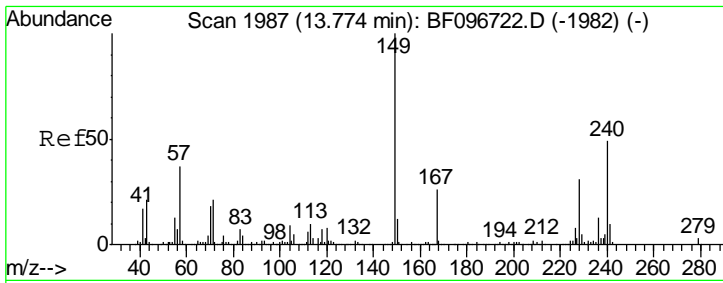
Tgt Ion	Resp	Lower	Upper
178	37064		
176	19.5	16.2	24.4
179	14.2	12.6	19.0



#74  
 Fluoranthene  
 Concen: 5.55 ng  
 RT: 12.34 min Scan# 1760  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
202	71906		
101	11.6	0.0	33.2
203	16.7	0.0	38.1

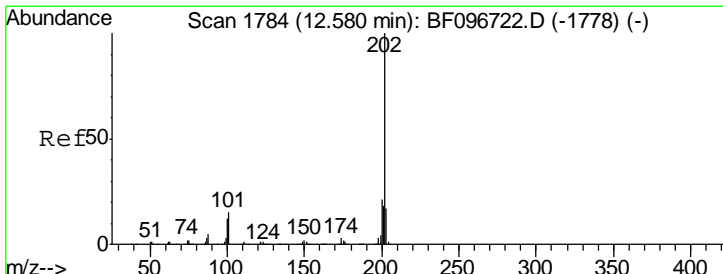
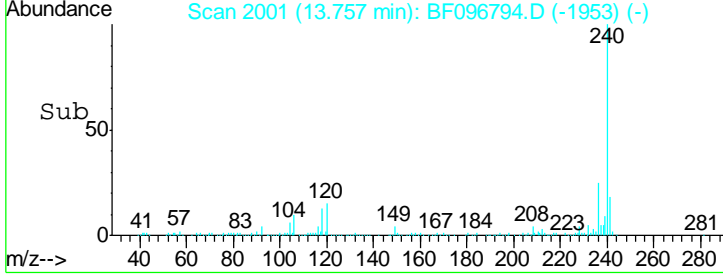
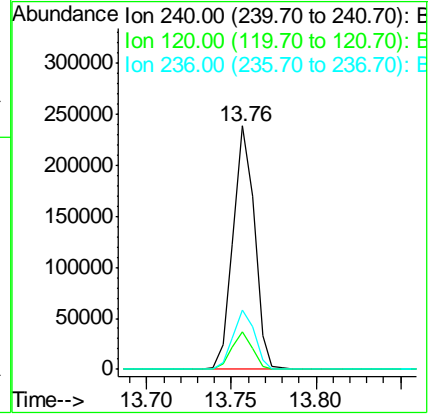
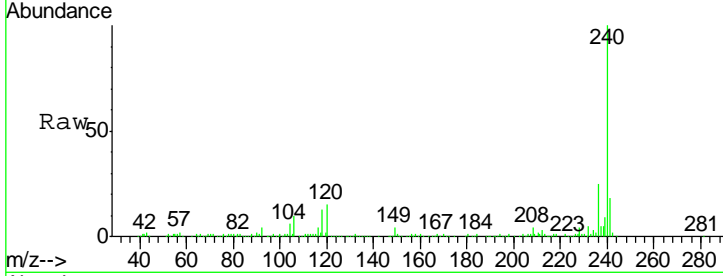




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.76 min Scan# 2001  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

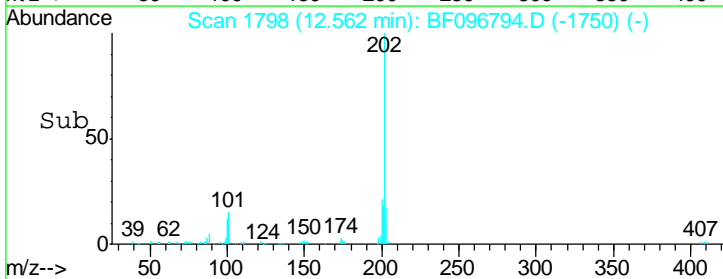
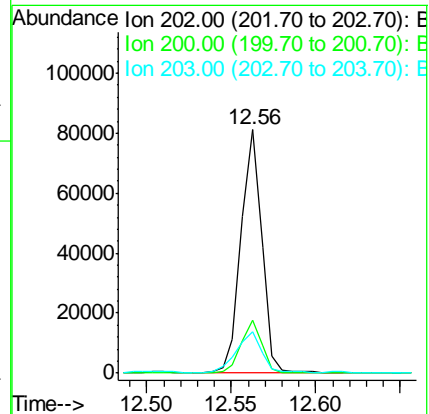
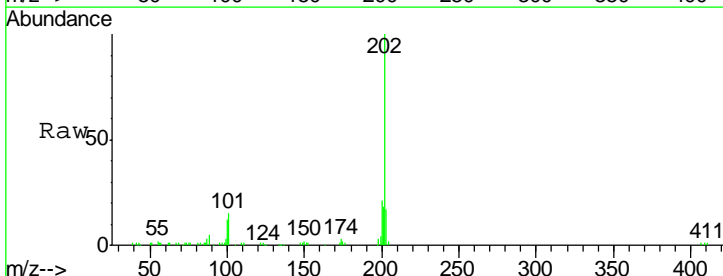
Instrument :  
 BNA\_F  
 ClientSampled :

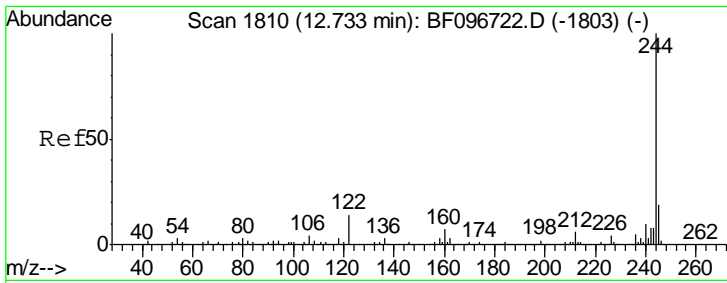
Tgt Ion	Resp	Lower	Upper
240	210890		
120	15.2	5.8	8.8#
236	24.6	20.5	30.7



#77  
 Pyrene  
 Concen: 3.64 ng  
 RT: 12.56 min Scan# 1798  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
202	69658		
200	21.5	17.6	26.4
203	17.2	14.4	21.6

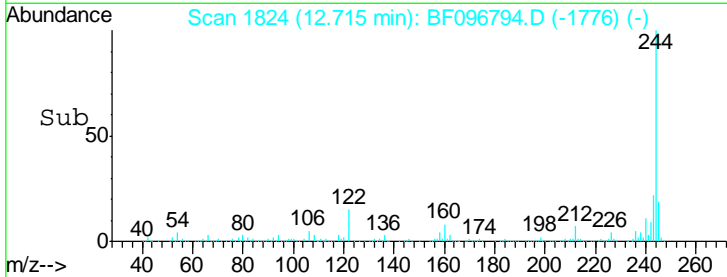
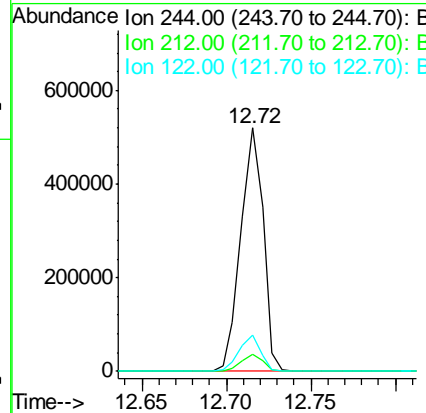
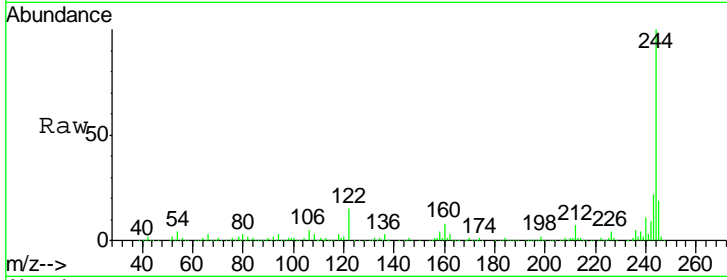




#78  
 Terphenyl-d14  
 Concen: 39.60 ng  
 RT: 12.72 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

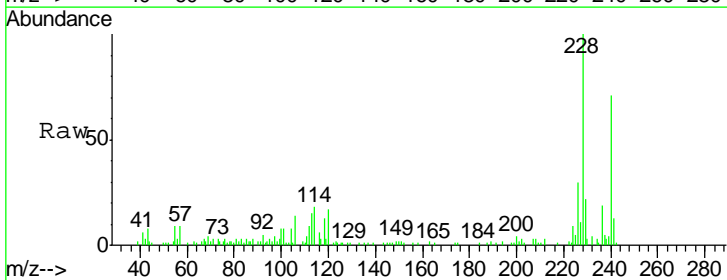
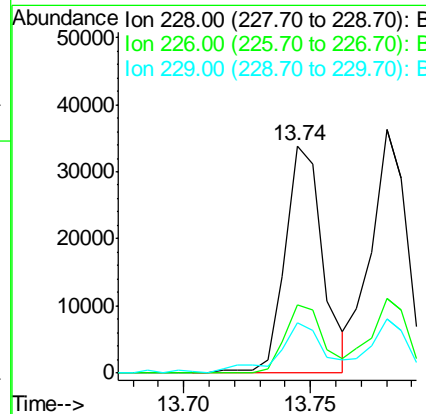
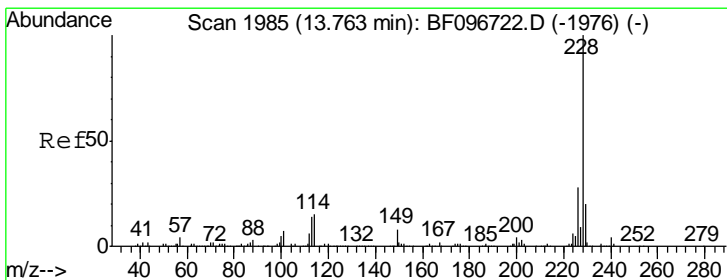
Instrument :  
 BNA\_F  
 ClientSampled :

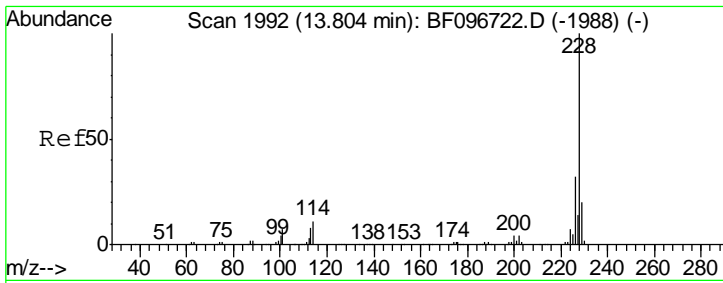
Tgt Ion	Resp	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.7	10.3	15.5



#80  
 Benzo(a)anthracene  
 Concen: 2.67 ng  
 RT: 13.74 min Scan# 1999  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	22.2	16.3	24.5

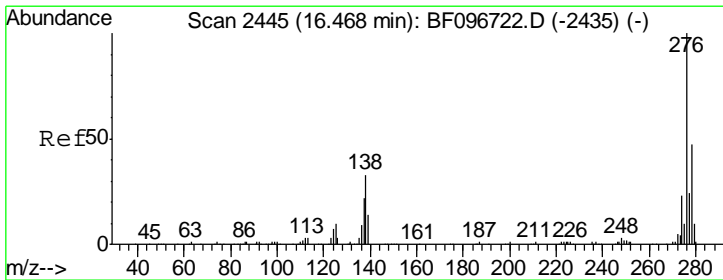
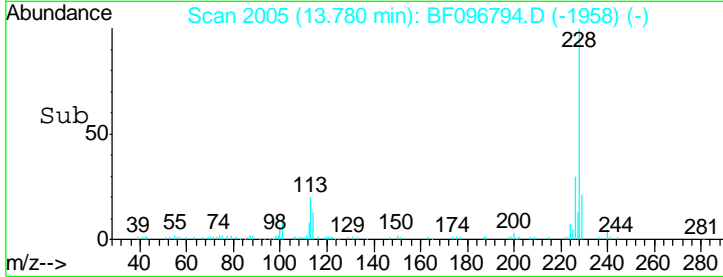
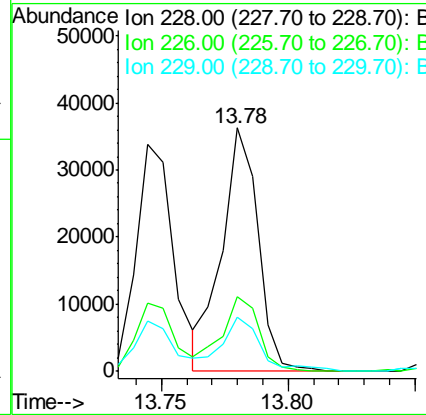
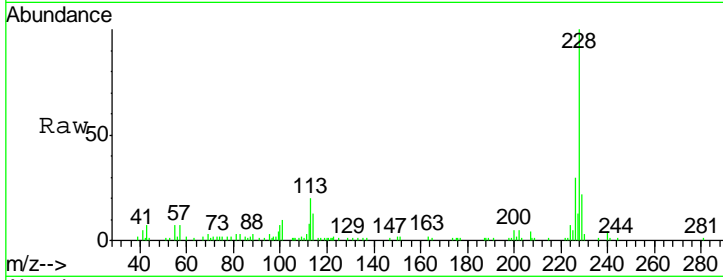




#82  
 Chrysene  
 Concen: 2.79 ng  
 RT: 13.78 min Scan# 2005  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

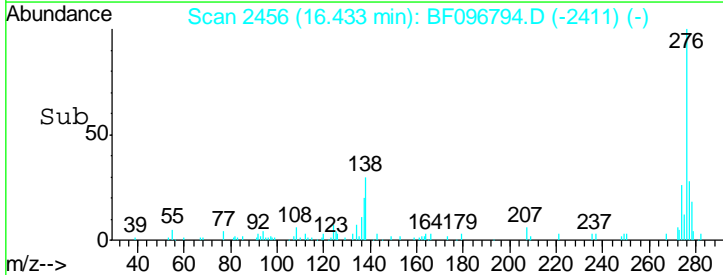
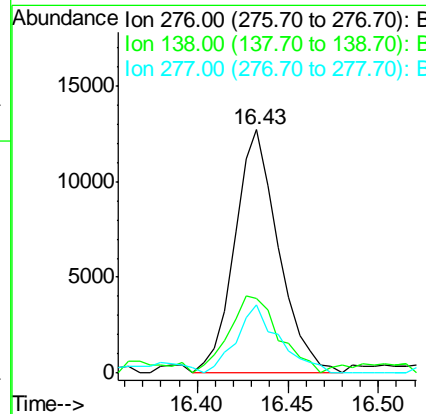
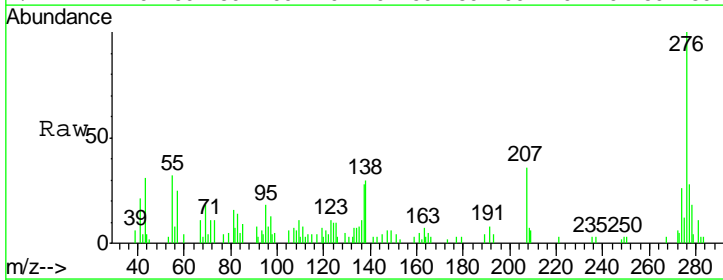
Instrument :  
 BNA\_F  
 ClientSampled :

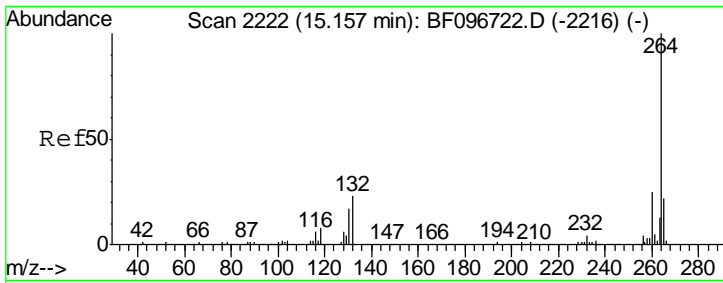
Tgt Ion	Resp	Lower	Upper
228	36029		
226	30.5	24.9	37.3
229	22.3	15.8	23.6



#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.04 ng  
 RT: 16.43 min Scan# 2456  
 Delta R.T. -0.04 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
276	21362		
138	36.0	27.8	41.6
277	27.3	20.2	30.4

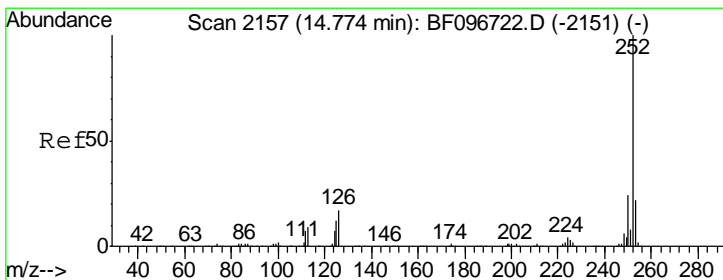
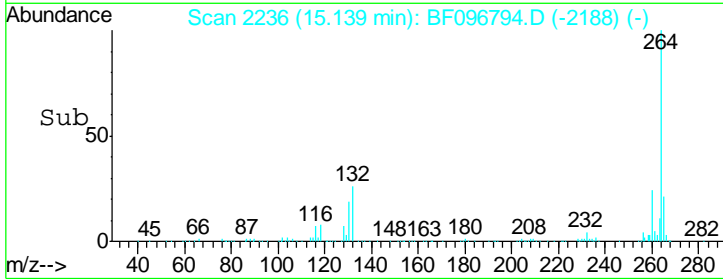
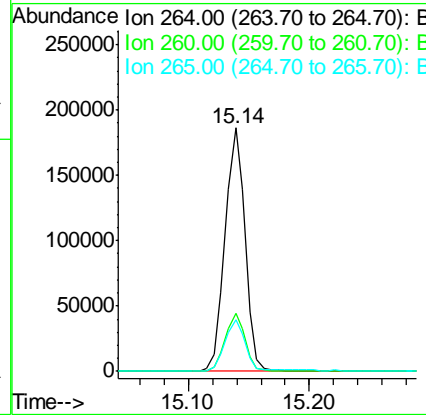
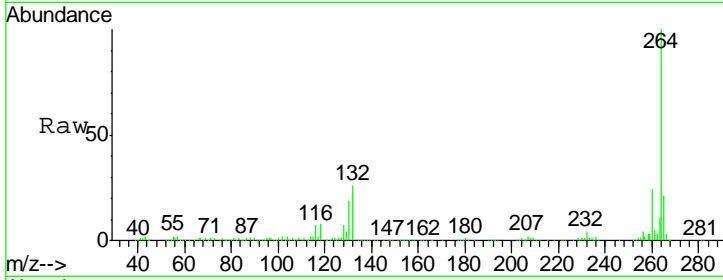




#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.14 min Scan# 2236  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

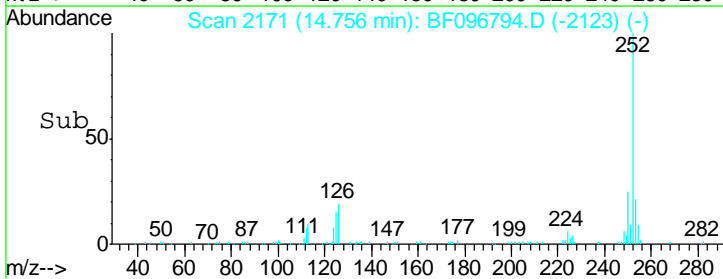
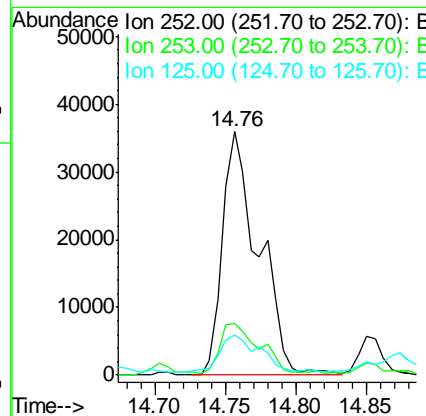
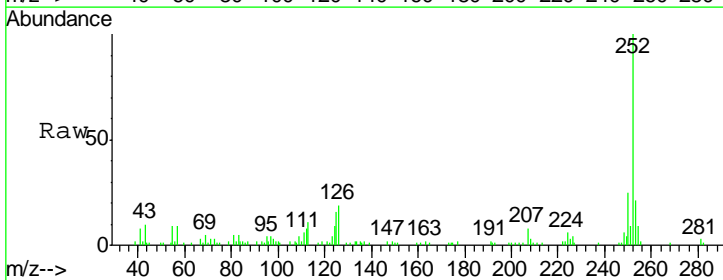
Instrument :  
 BNA\_F  
 ClientSampled :

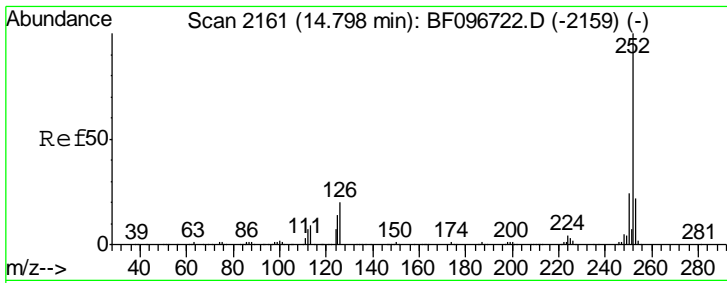
Tgt Ion	Resp	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.4	17.2	25.8



#87  
 Benzo(b)fluoranthene  
 Concen: 5.01 ng  
 RT: 14.76 min Scan# 2171  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	16.5	9.8	14.8#

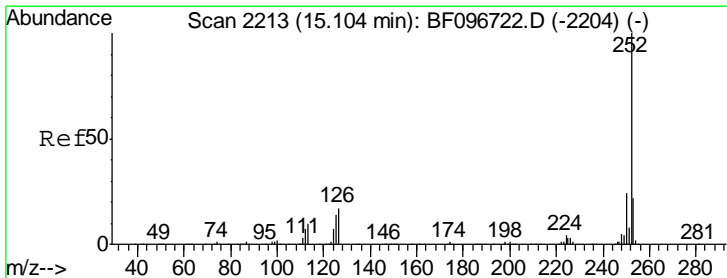
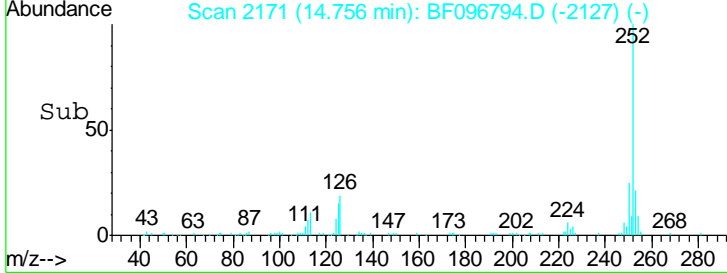
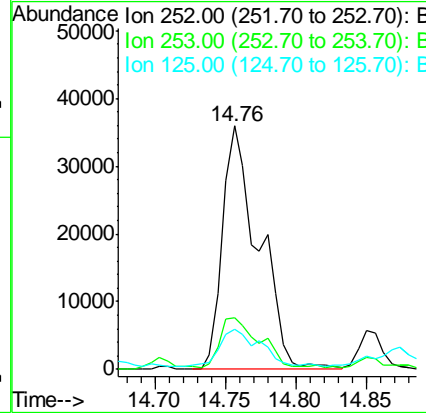
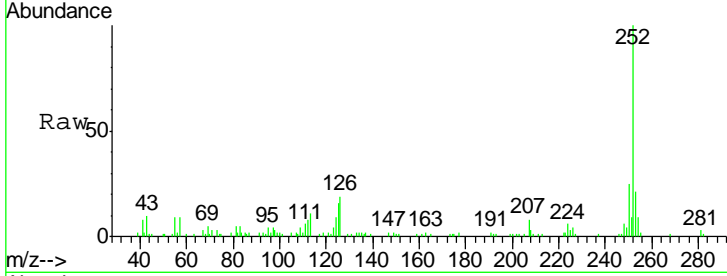




#88  
 Benzo(k)fluoranthene  
 Concen: 5.29 ng  
 RT: 14.76 min Scan# 2171  
 Delta R.T. -0.04 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Instrument :  
 BNA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	16.5	13.1	19.7



#89  
 Benzo(a)pyrene  
 Concen: 2.90 ng  
 RT: 15.08 min Scan# 2226  
 Delta R.T. -0.02 min  
 Lab File: BF096794.D  
 Acq: 15 Jul 2017 1:47

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	16.6	11.0	16.4#

