

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061418\  
 Data File : BF106453.D  
 Acq On : 14 Jun 2018 20:11  
 Operator : JU/SJ  
 Sample : J3498-15  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-D-S

Quant Time: Jun 15 01:13:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 14 18:39:24 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	121882	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	433417	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	170164	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	289808	20.00	ng	0.00
75) Chrysene-d12	14.15	240	284479	20.00	ng	-0.01
86) Perylene-d12	15.68	264	201930	20.00	ng	-0.02

## System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	703701	97.72	ng	0.00
7) Phenol-d6	6.61	99	852049	93.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	533055	72.35	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	166522	101.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	840205	88.99	ng	0.00
78) Terphenyl-d14	13.08	244	817649	71.39	ng	0.00

## Target Compounds

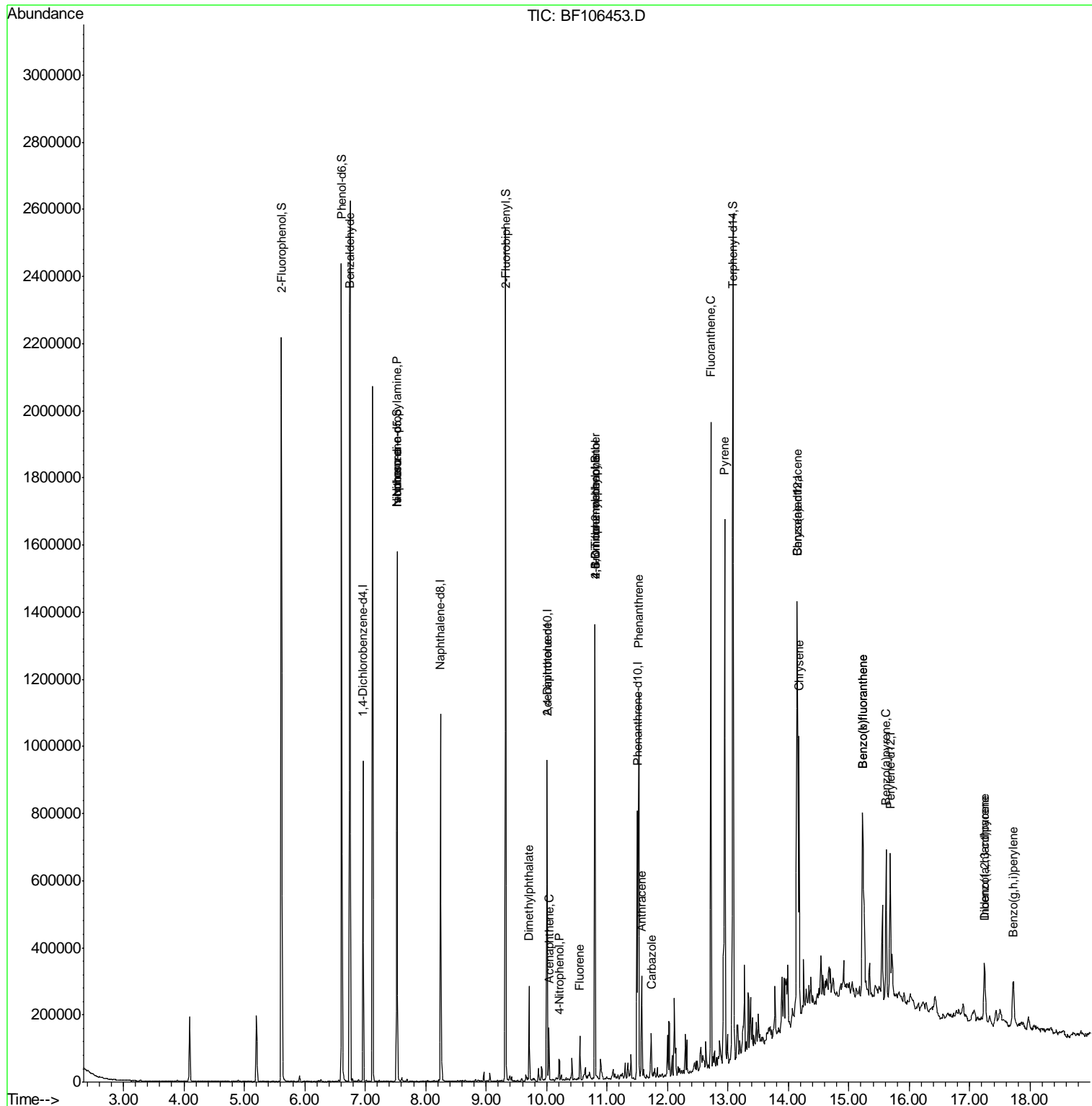
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	15026	2.177	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	72198	10.577	ng	# 73
25) Isophorone	7.53	82	533049	37.042	ng	# 64
49) Dimethylphthalate	9.71	163	100043	8.229	ng	99
51) Acenaphthene	10.04	154	29758	2.854	ng	97
55) 4-Nitrophenol	10.21	139	8252	3.653	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	22422	7.190	ng	# 23
57) Fluorene	10.55	166	32277	2.902	ng	98
64) 4,6-Dinitro-2-methylphenol	10.80	198	294	6.458	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	10592	3.213	ng	# 1
70) Phenanthrene	11.52	178	420658	29.638	ng	99
71) Anthracene	11.57	178	104605	7.357	ng	98
72) Carbazole	11.73	167	46700	3.558	ng	98
74) Fluoranthene	12.72	202	734702	48.540	ng	98
77) Pyrene	12.95	202	659819	37.047	ng	100
80) Benzo(a)anthracene	14.14	228	381592	22.541	ng	99
82) Chrysene	14.18	228	343478	22.222	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	122527	9.933	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	453091	37.119	ng	97
88) Benzo(k)fluoranthene	15.23	252	453091	37.480	ng	# 97
89) Benzo(a)pyrene	15.62	252	217712	19.830	ng	95
90) Dibenzo(a,h)anthracene	17.25	278	29678	3.242	ng	# 91
91) Benzo(g,h,i)perylene	17.72	276	114805	12.906	ng	# 92

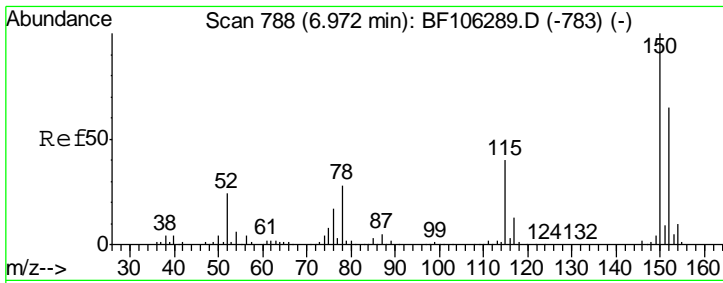
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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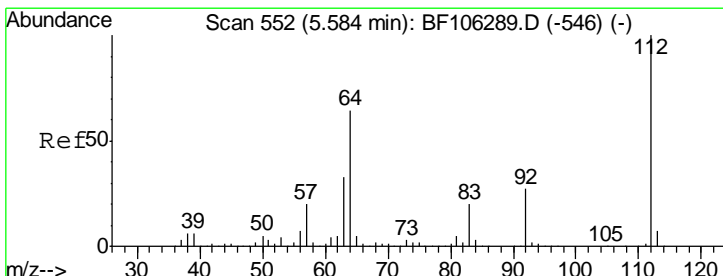
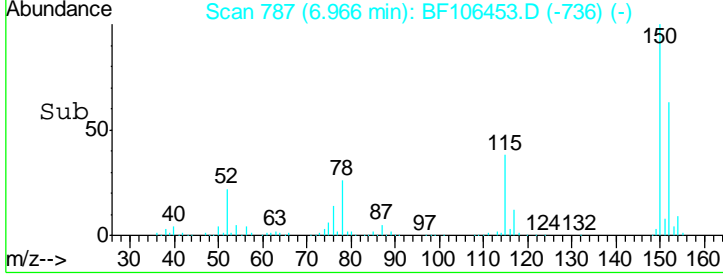
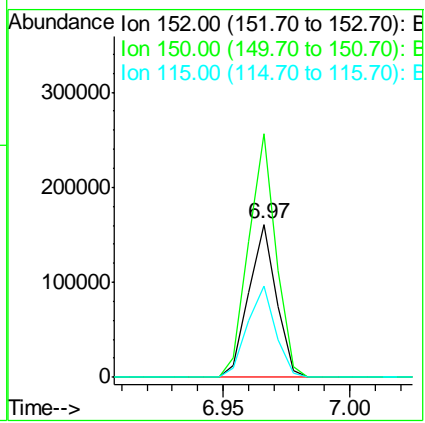
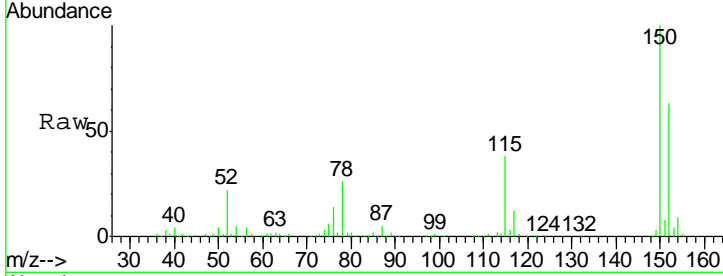




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

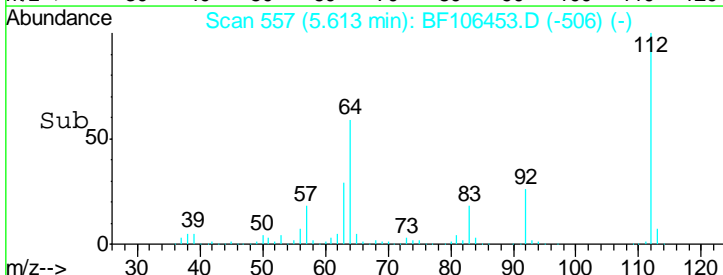
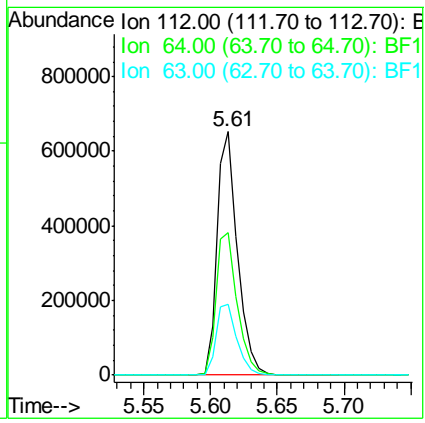
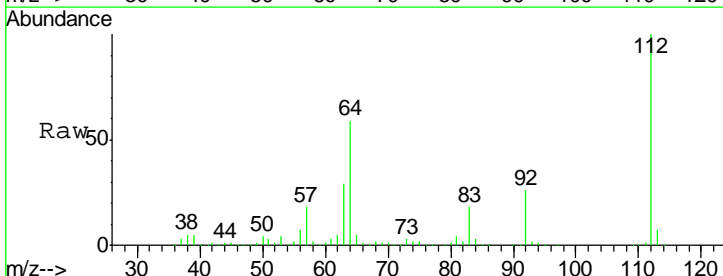
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 TP-D-S

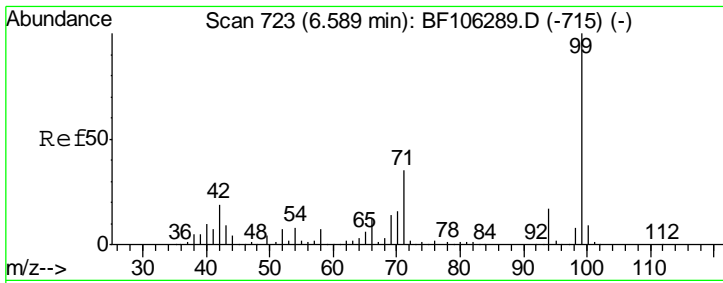
Tgt Ion	Resp	Lower	Upper
152	121882		
150	159.0	124.6	186.8
115	59.7	50.1	75.1



#5  
 2-Fluorophenol  
 Concen: 97.719 ng  
 RT: 5.61 min Scan# 557  
 Delta R.T. -0.00 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
112	703701		
64	58.7	47.9	71.9
63	29.1	23.7	35.5

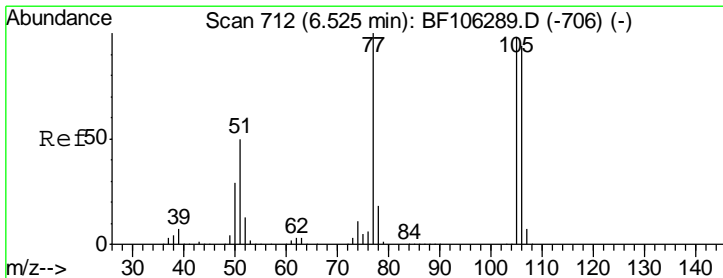
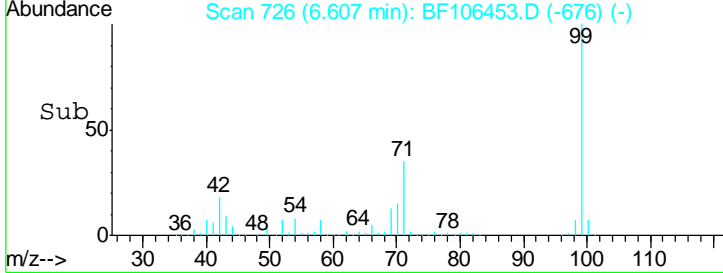
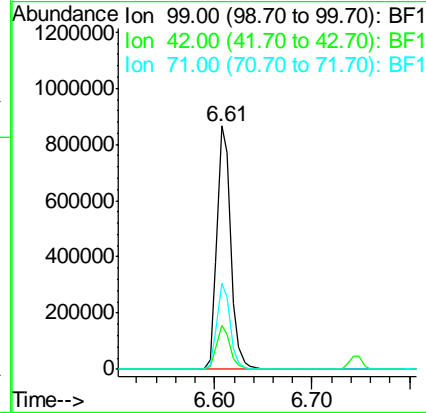
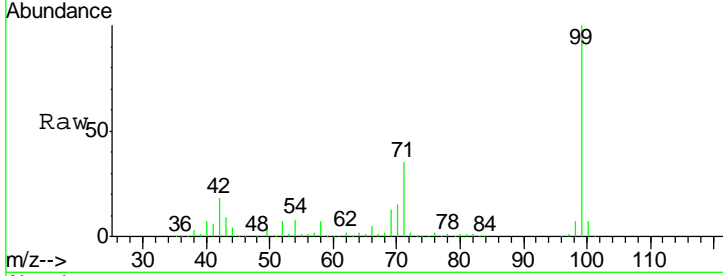




#7  
 Phenol-d6  
 Concen: 93.650 ng  
 RT: 6.61 min Scan# 726  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

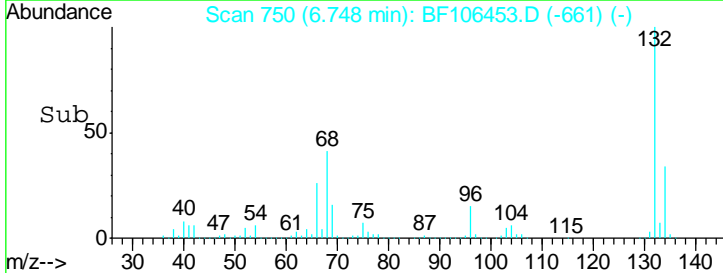
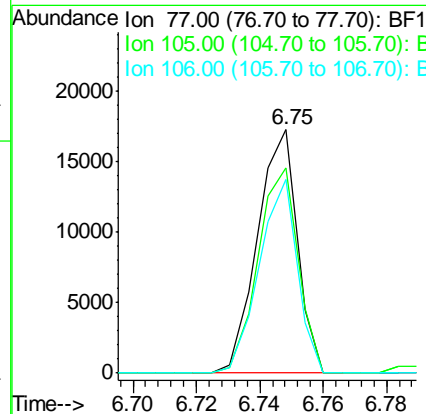
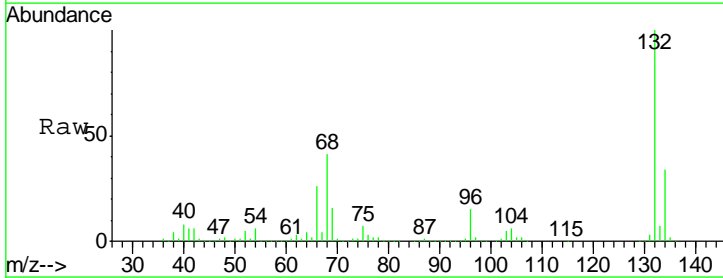
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

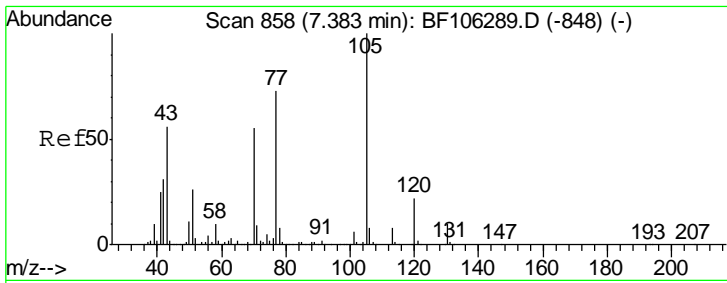
Tgt Ion	Resp	Lower	Upper
99	852049		
42	18.0	14.5	21.7
71	35.3	25.4	38.0



#9  
 Benzaldehyde  
 Concen: 2.177 ng  
 RT: 6.75 min Scan# 750  
 Delta R.T. 0.22 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
77	15026		
105	84.4	81.1	121.1
106	79.7	74.5	114.5

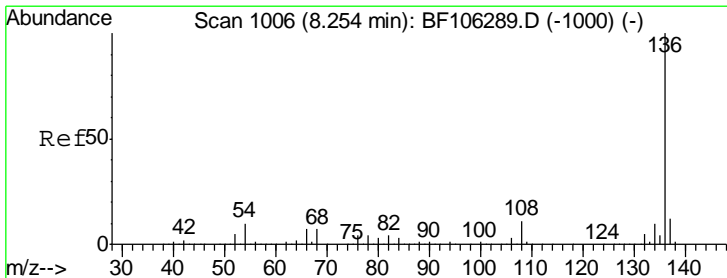
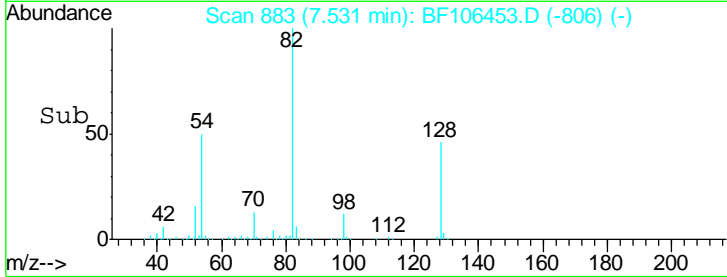
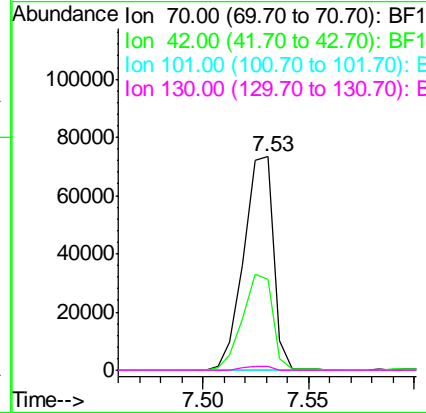
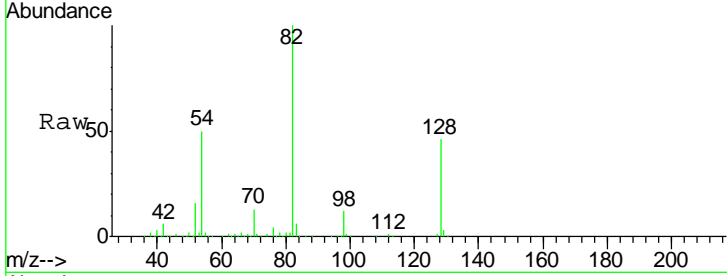




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 10.577 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. 0.15 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

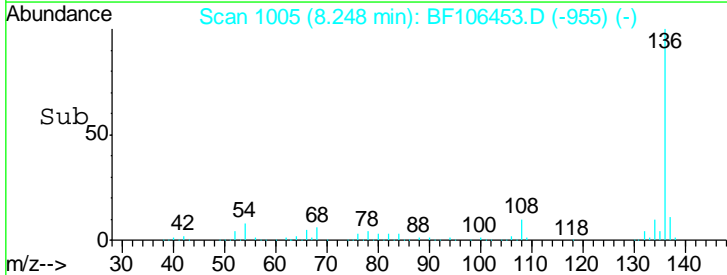
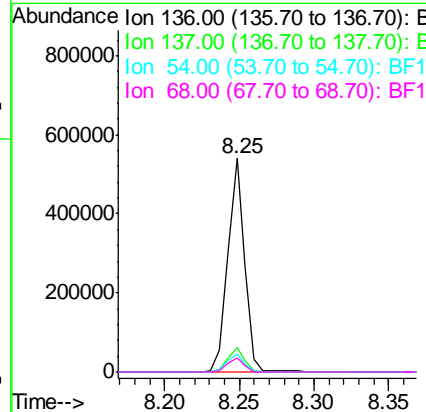
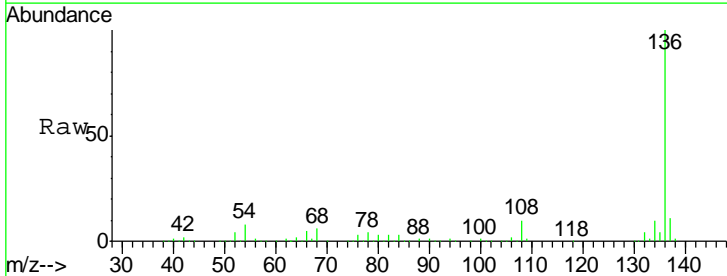
**Instrument :**  
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**ClientSampled :**  
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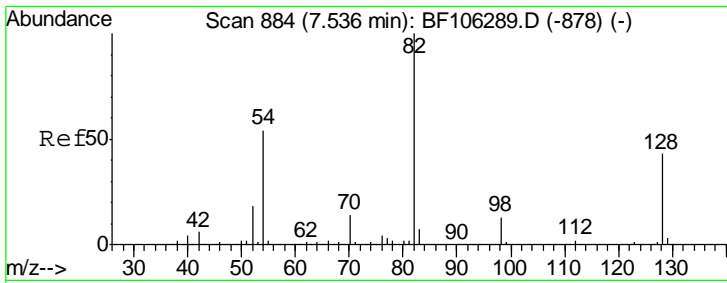
Tgt Ion	Resp	Lower	Upper
70	100		
42	42.8	47.5	71.3#
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.25 min Scan# 1005  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.4	6.6	9.8
68	6.5	5.0	7.4

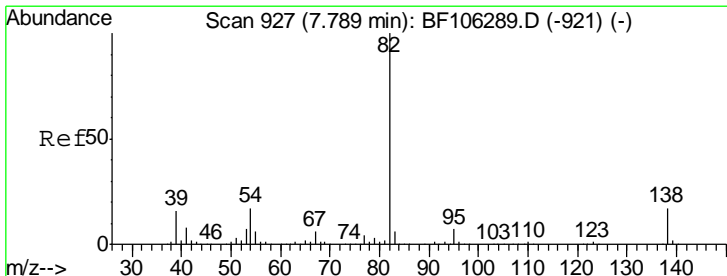
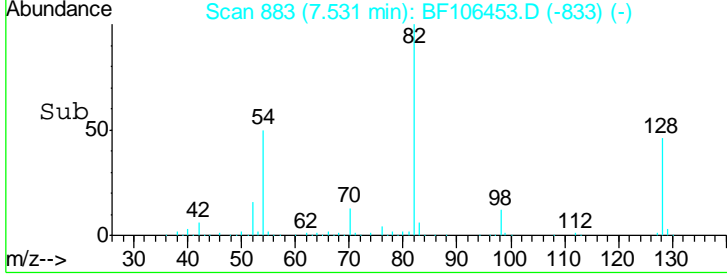
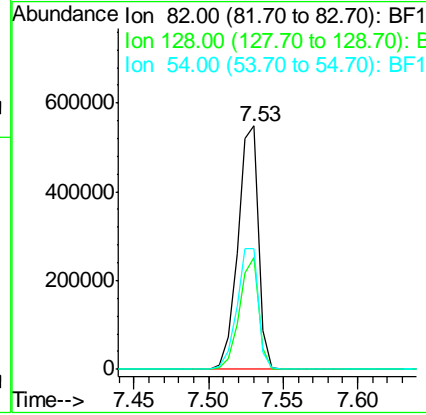
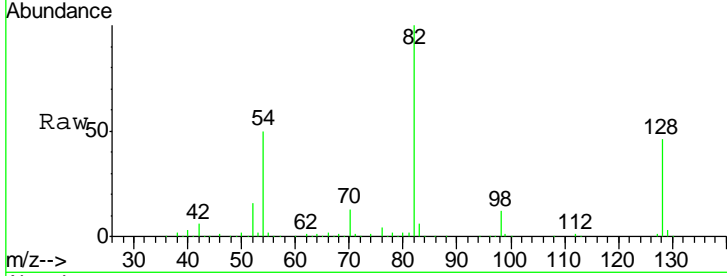




#23  
 Nitrobenzene-d5  
 Concen: 72.353 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

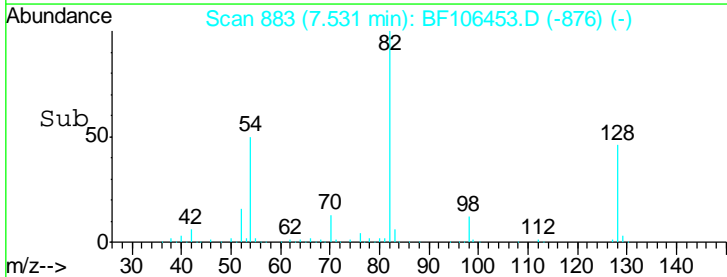
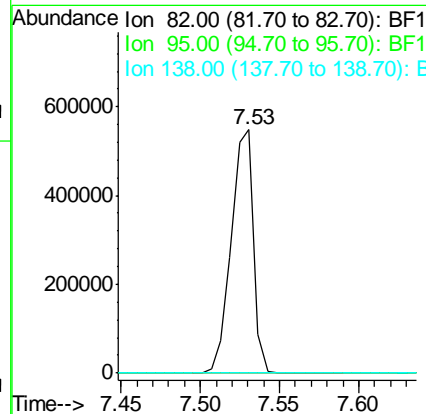
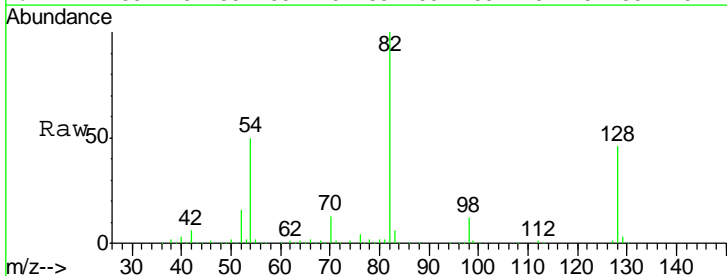
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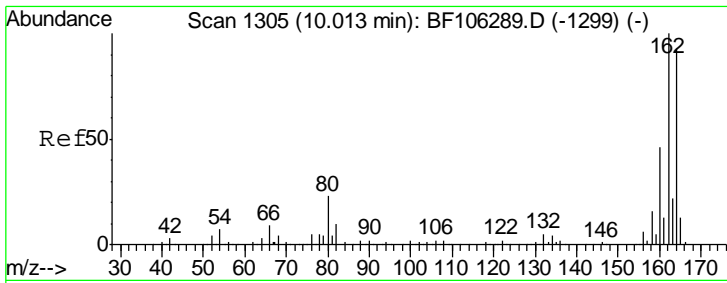
Tgt Ion	Resp	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	49.5	41.4	62.2



#25  
 Isophorone  
 Concen: 37.042 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.26 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

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

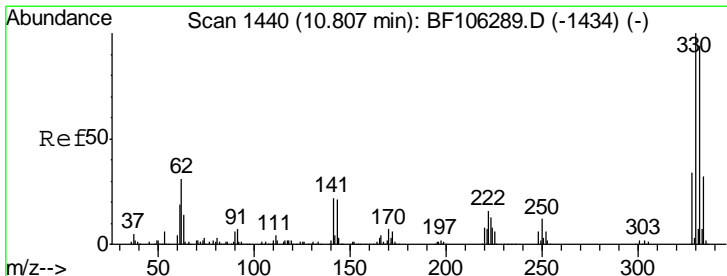
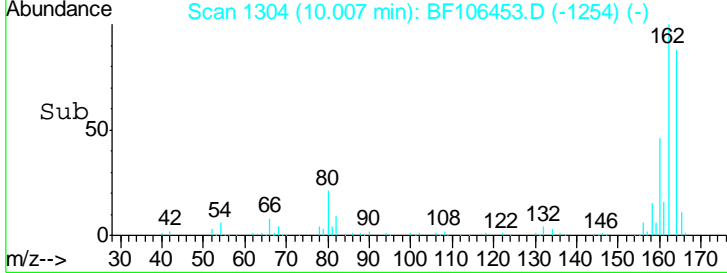
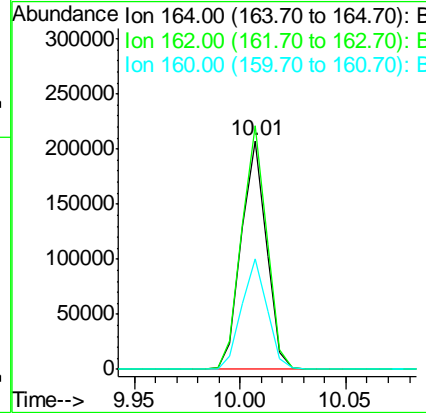
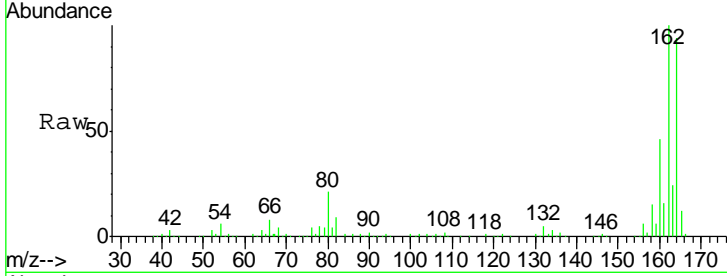




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

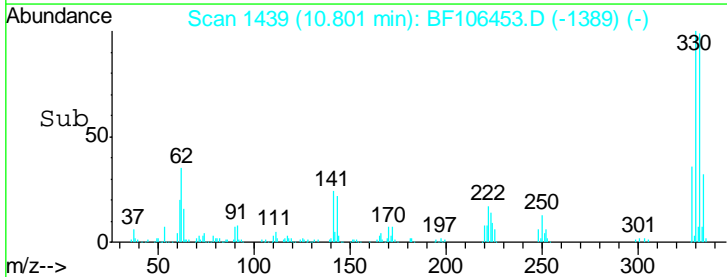
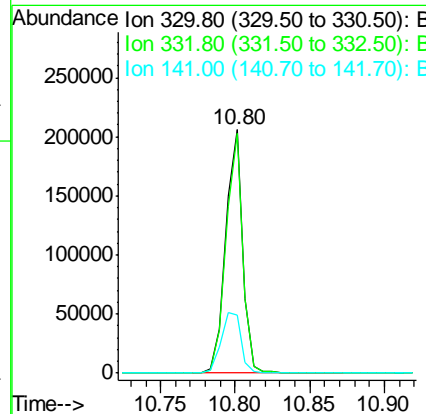
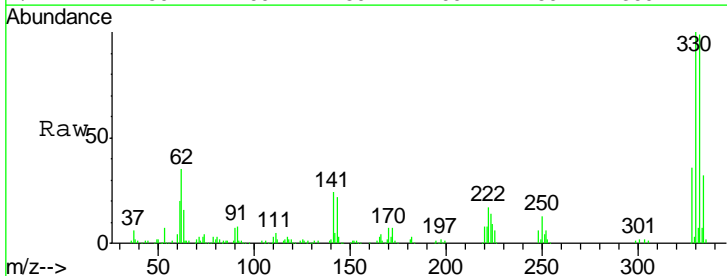
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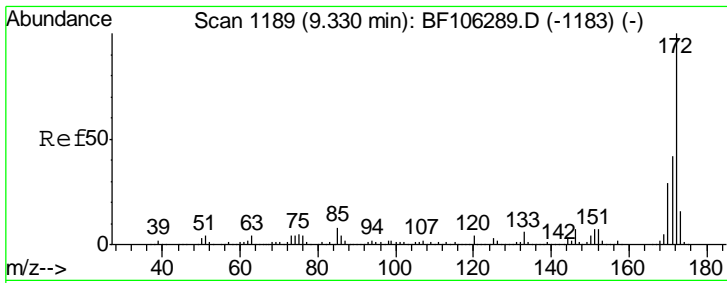
Tgt Ion	Resp	Lower	Upper
164	170164		
162	106.6	86.1	129.1
160	48.6	38.3	57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 101.707 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
330	166522		
332	97.1	77.0	115.6
141	29.1	29.9	44.9#

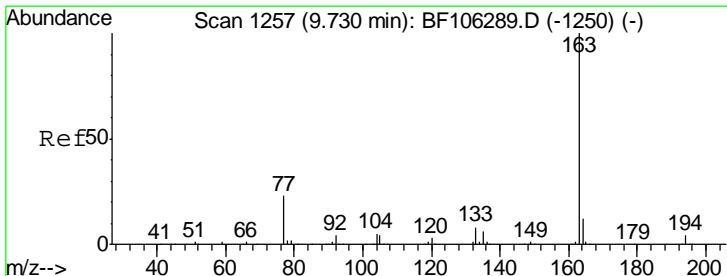
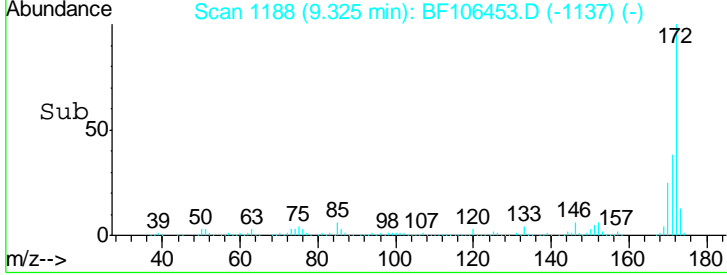
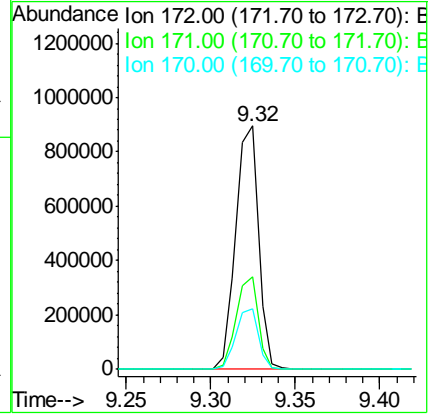
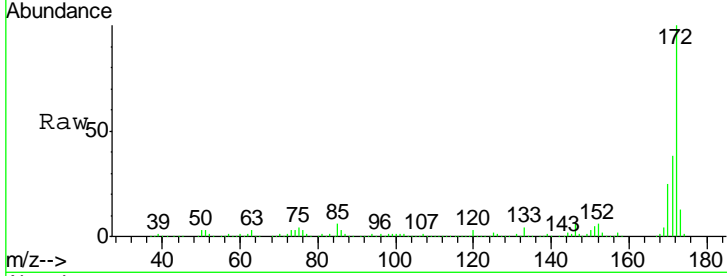




#44  
 2-Fluorobiphenyl  
 Concen: 88.986 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. -0.00 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

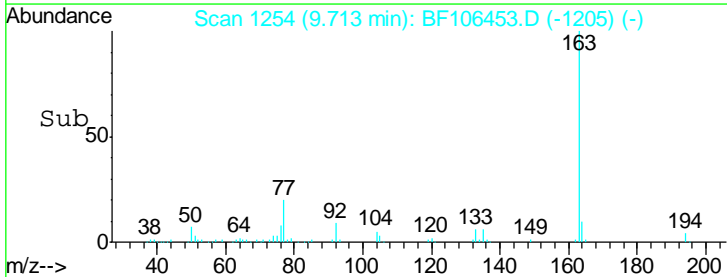
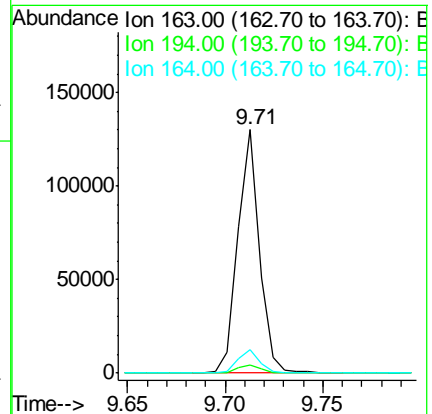
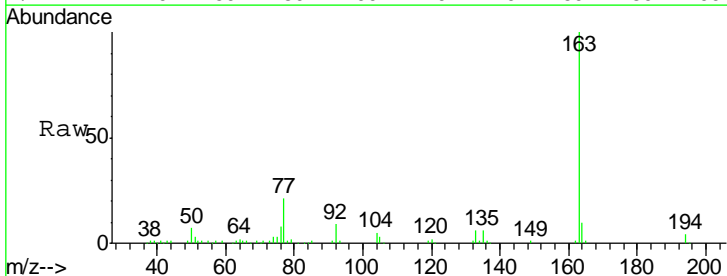
Instrument :  
 BNA\_F  
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 TP-D-S

Tgt Ion	Resp	Lower	Upper
172	100		
171	37.8	29.7	44.5
170	24.7	19.6	29.4

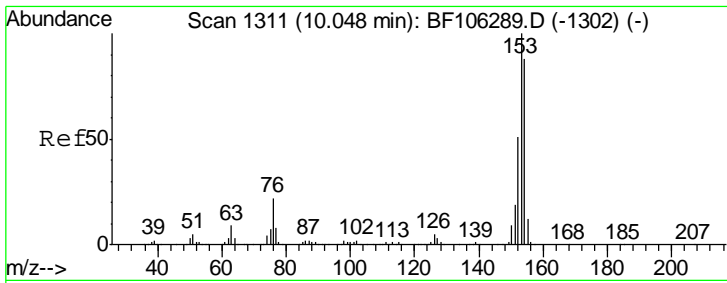


#49  
 Dimethylphthalate  
 Concen: 8.229 ng  
 RT: 9.71 min Scan# 1254  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2



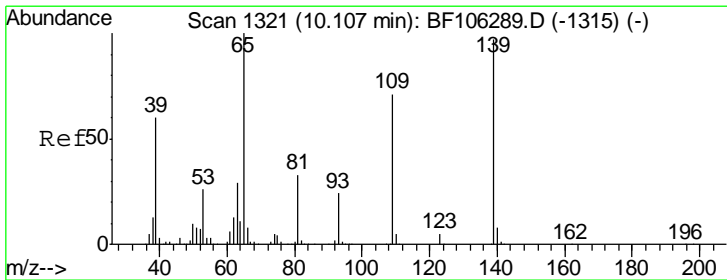
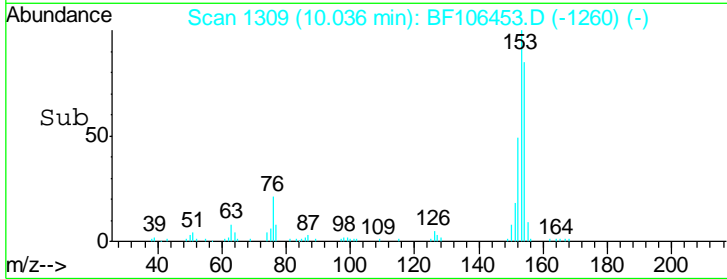
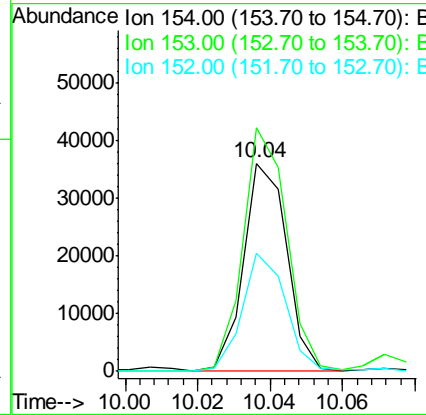
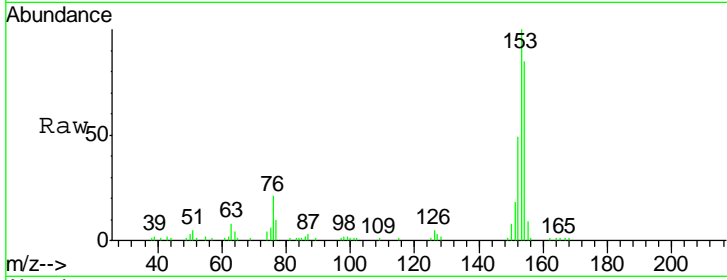




#51  
 Acenaphthene  
 Concen: 2.854 ng  
 RT: 10.04 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

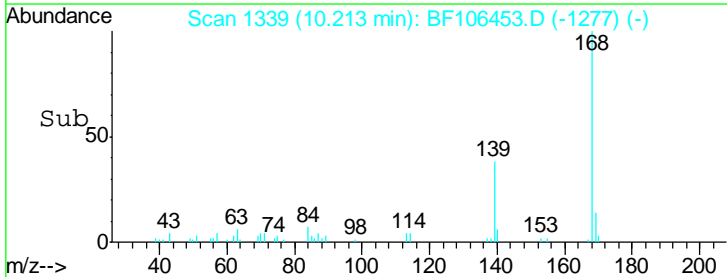
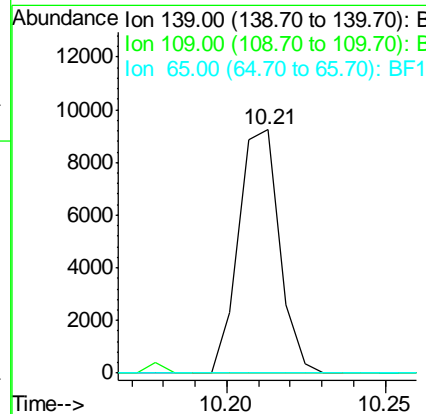
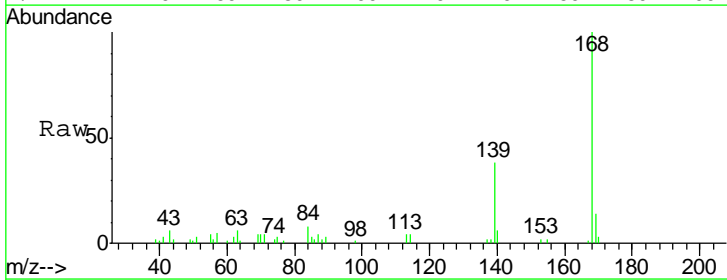
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 ClientSampleID :  
 TP-D-S

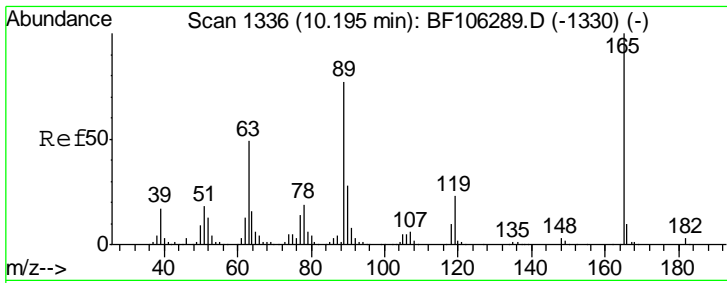
Tgt Ion	Resp	Lower	Upper
154	100		
153	117.2	91.2	136.8
152	57.1	43.8	65.8



#55  
 4-Nitrophenol  
 Concen: 3.653 ng  
 RT: 10.21 min Scan# 1339  
 Delta R.T. 0.06 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

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

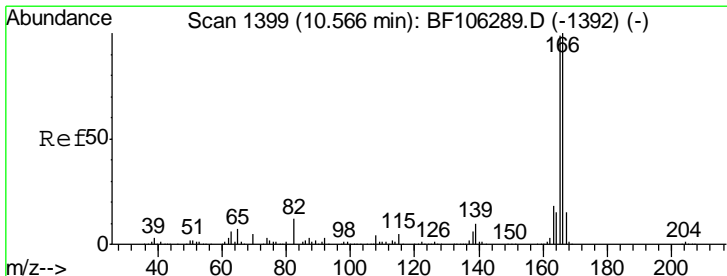
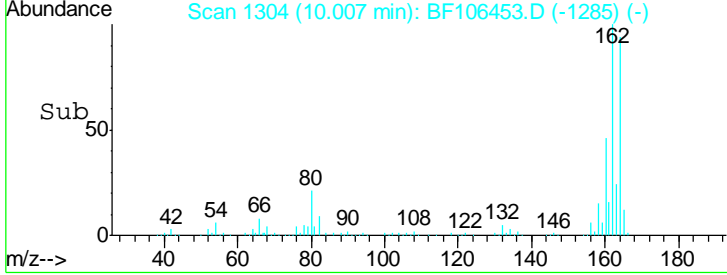
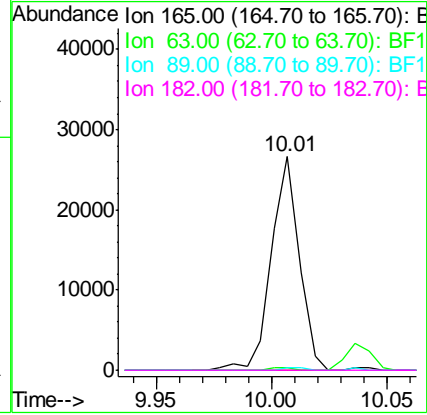
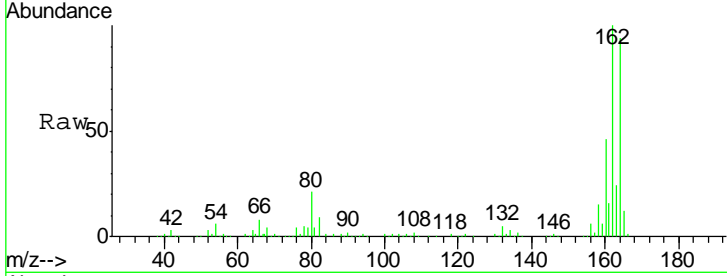




#56  
 2,4-Dinitrotoluene  
 Concen: 7.190 ng  
 RT: 10.01 min Scan# 1304  
 Delta R.T. -0.19 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

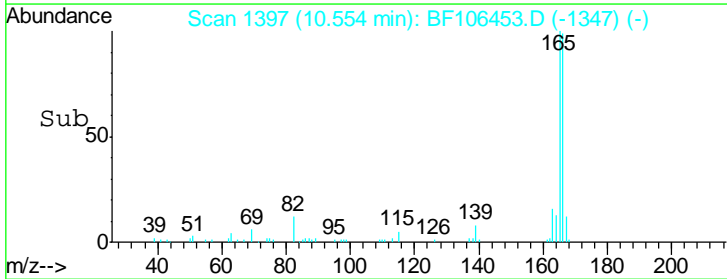
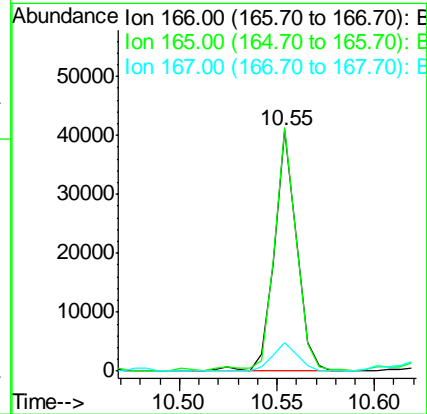
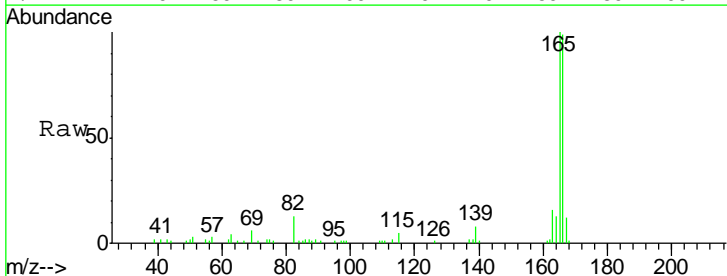
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-D-S

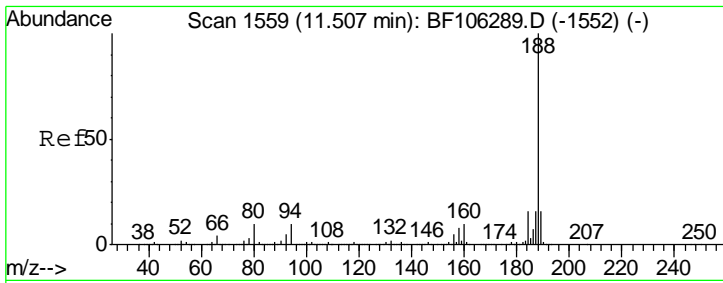
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#57  
 Fluorene  
 Concen: 2.902 ng  
 RT: 10.55 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
166	100		
165	101.2	79.8	119.8
167	12.0	10.6	16.0

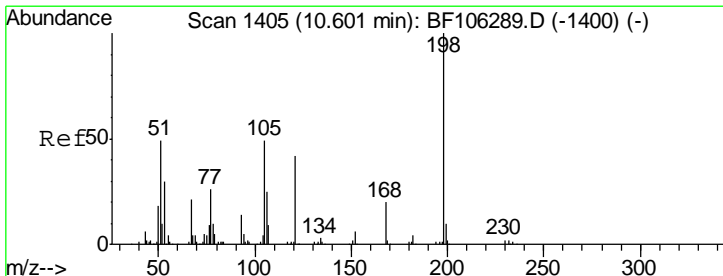
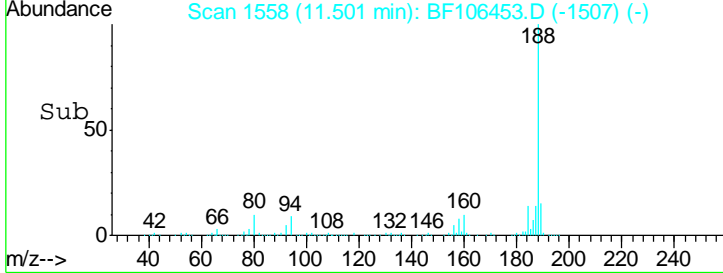
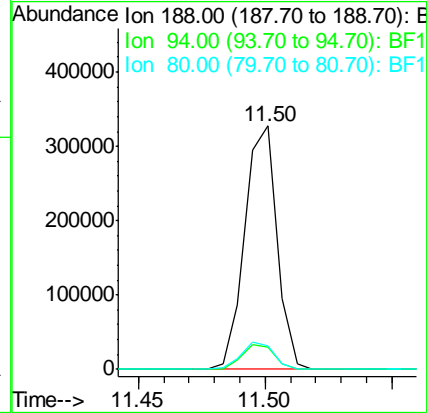
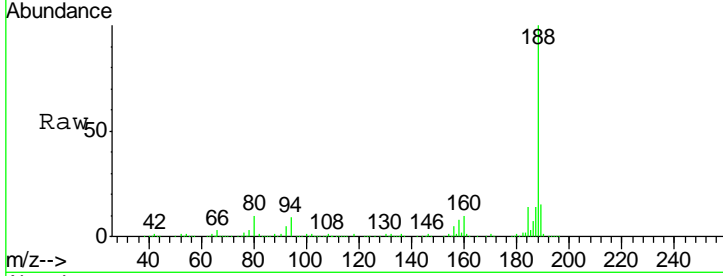




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1558  
 Delta R.T. -0.00 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

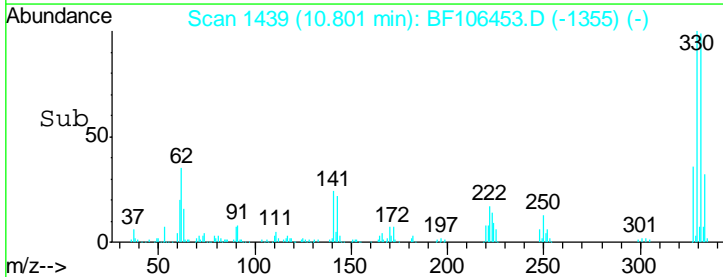
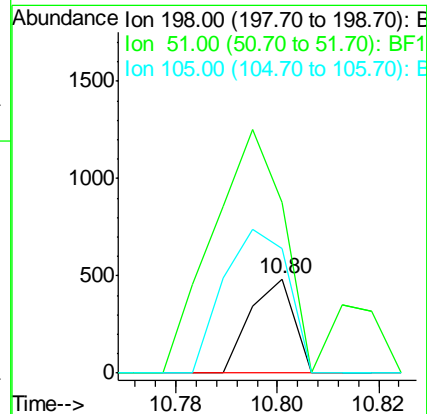
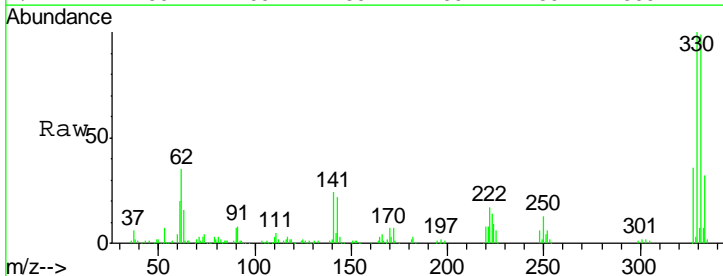
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

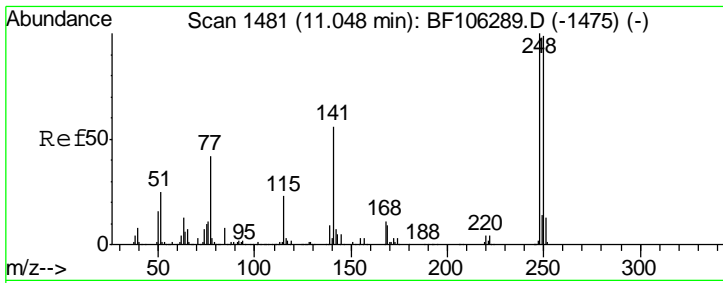
Tgt Ion	Resp	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.5	9.2	13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.458 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. 0.19 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
198	100		
51	180.8	37.7	77.7#
105	131.5	36.3	76.3#

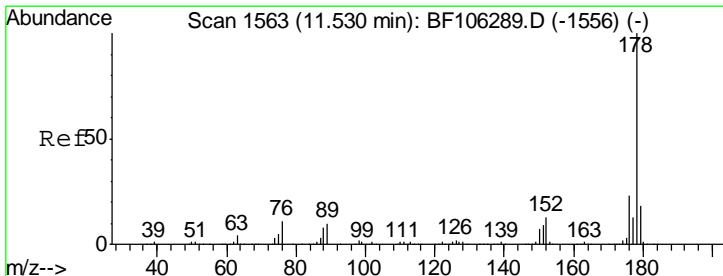
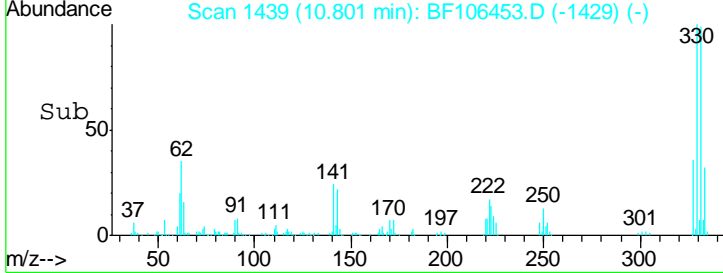
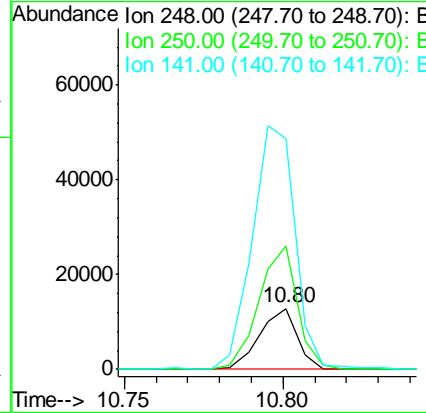
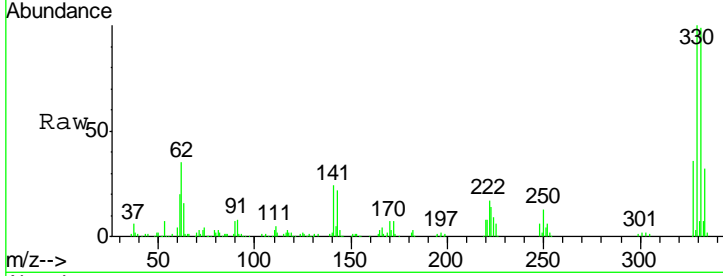




#66  
 4-Bromophenyl-phenylether  
 Concen: 3.213 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.24 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

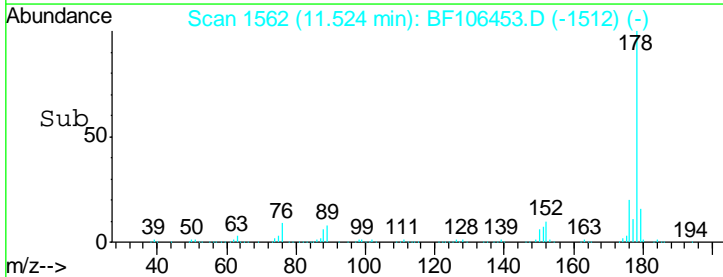
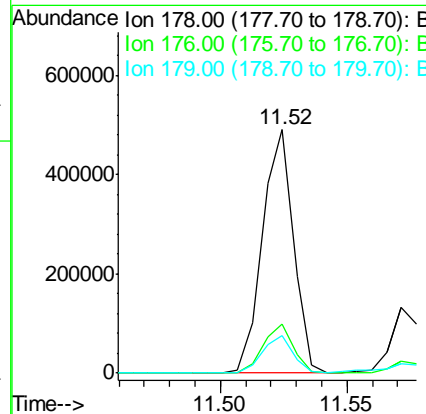
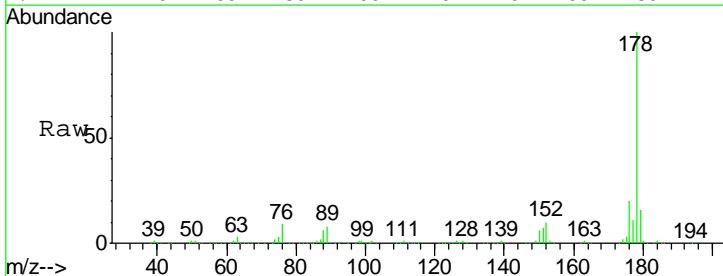
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

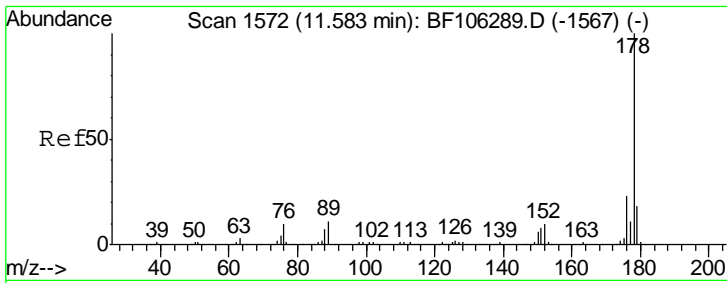
Tgt Ion	Resp	Lower	Upper
248	10592		
250	202.8	76.9	115.3#
141	379.5	74.4	111.6#



#70  
 Phenanthrene  
 Concen: 29.638 ng  
 RT: 11.52 min Scan# 1562  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
178	420658		
176	20.0	15.8	23.8
179	15.5	13.0	19.6

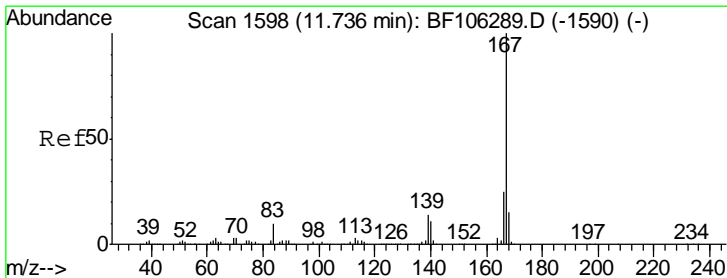
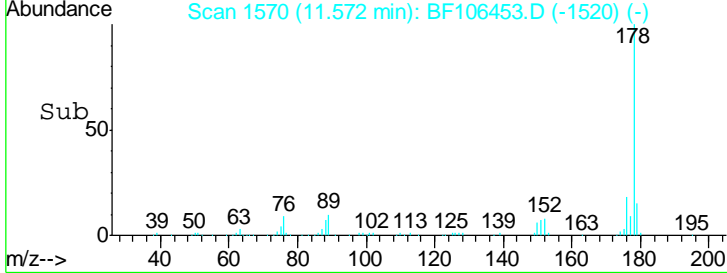
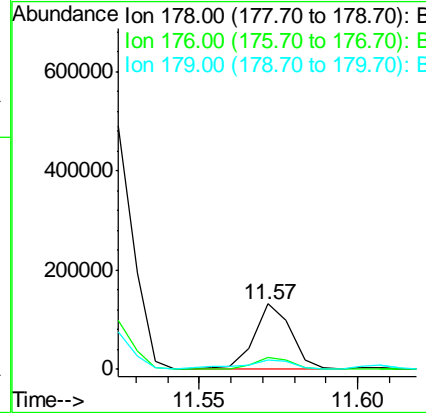
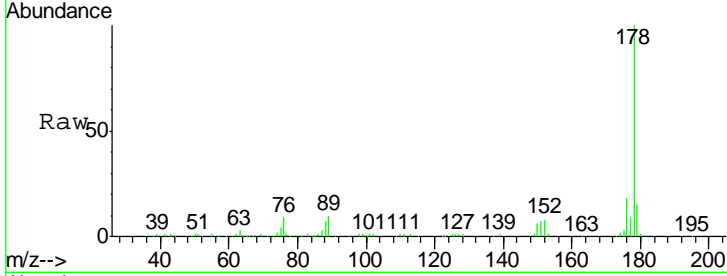




#71  
 Anthracene  
 Concen: 7.357 ng  
 RT: 11.57 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

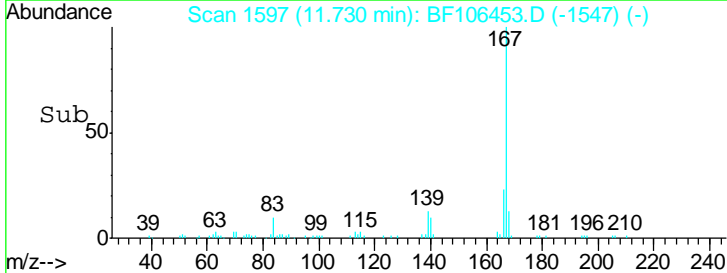
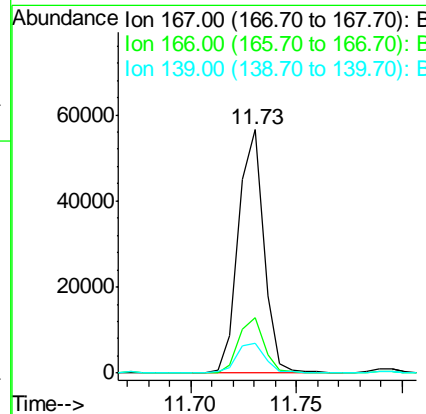
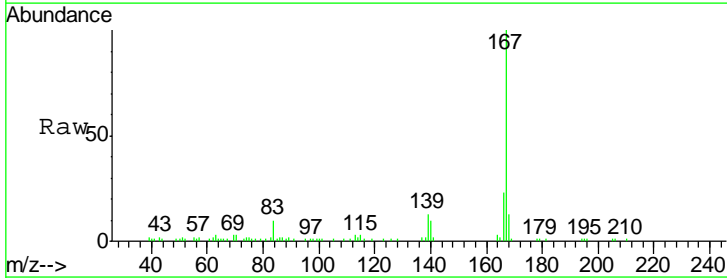
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

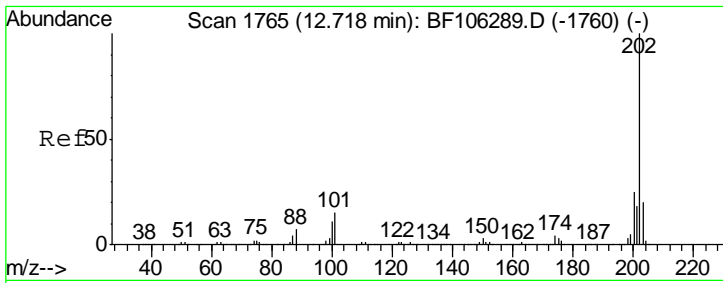
Tgt Ion	Resp	Lower	Upper
178	104605		
176	18.4	15.4	23.2
179	15.3	12.6	19.0



#72  
 Carbazole  
 Concen: 3.558 ng  
 RT: 11.73 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
167	46700		
166	22.7	17.6	26.4
139	12.5	10.9	16.3

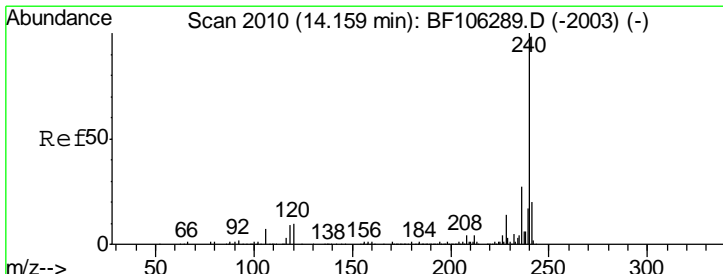
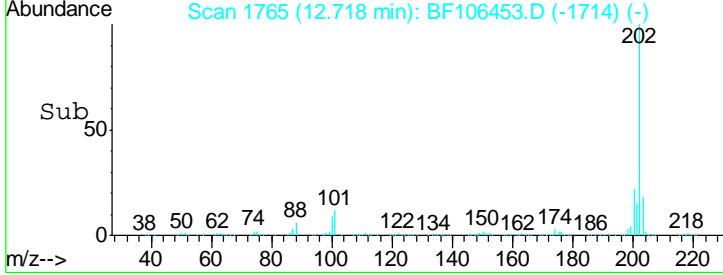
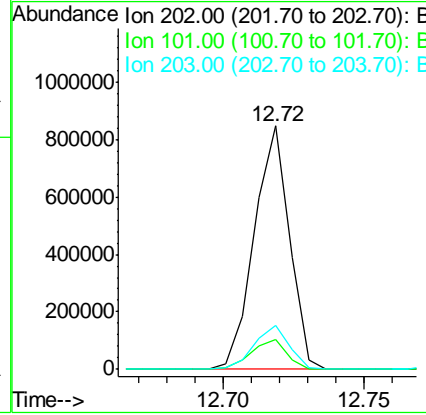
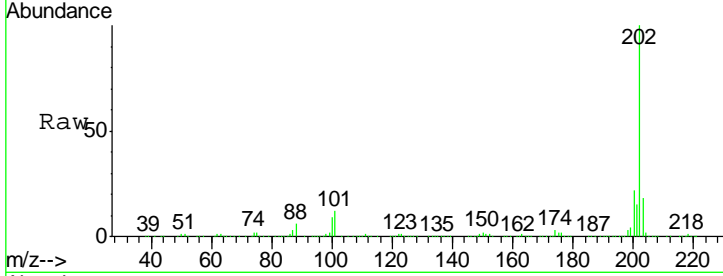




#74  
 Fluoranthene  
 Concen: 48.540 ng  
 RT: 12.72 min Scan# 1765  
 Delta R.T. -0.00 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

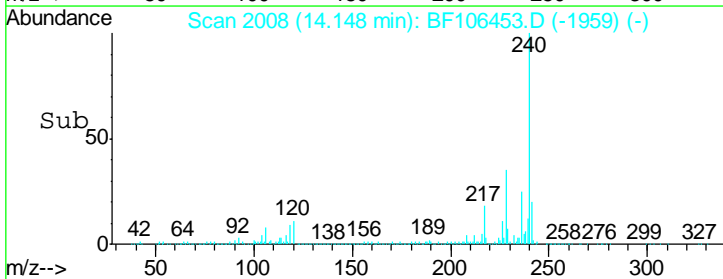
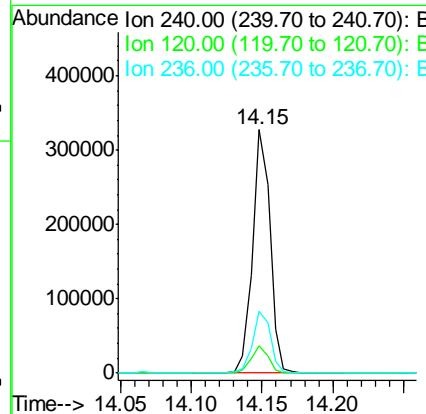
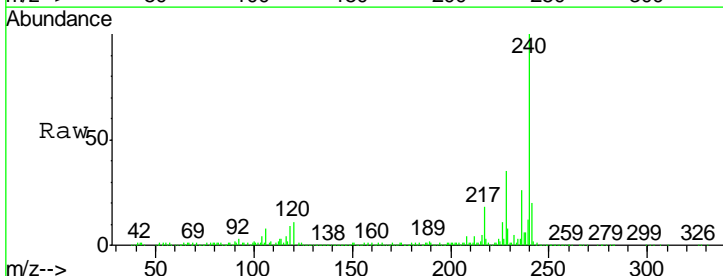
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

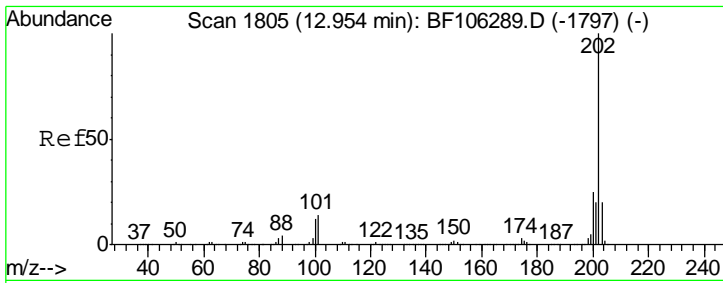
Tgt Ion	Resp	Lower	Upper
202	734702		
101	12.1	0.0	34.1
203	18.2	0.0	38.1



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.15 min Scan# 2008  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
240	284479		
120	11.3	9.5	14.3
236	25.5	20.7	31.1

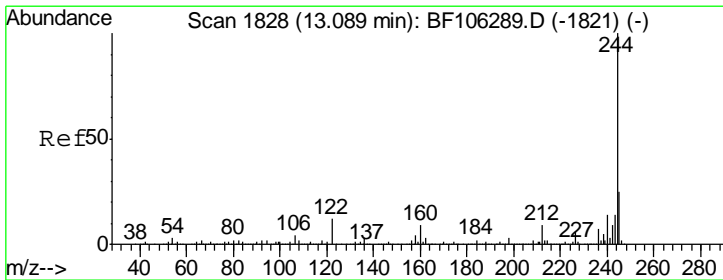
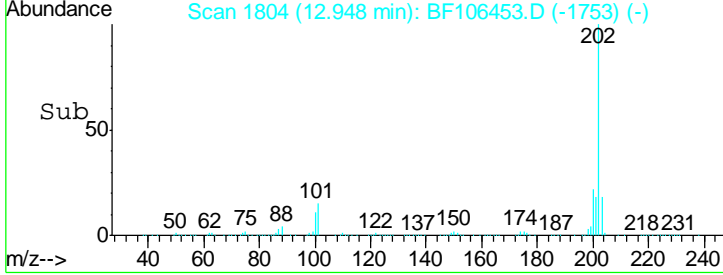
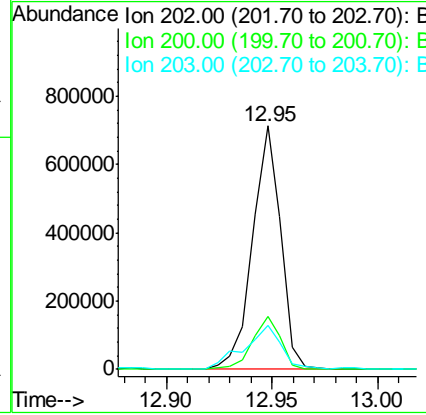
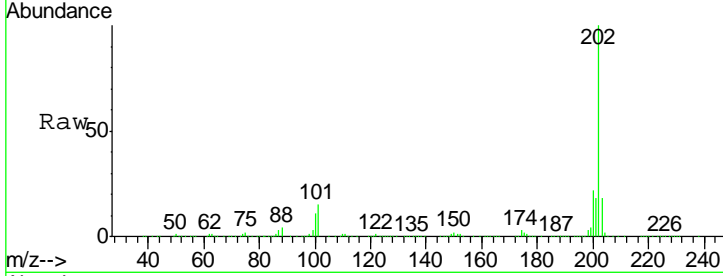




#77  
 Pyrene  
 Concen: 37.047 ng  
 RT: 12.95 min Scan# 1804  
 Delta R.T. -0.00 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

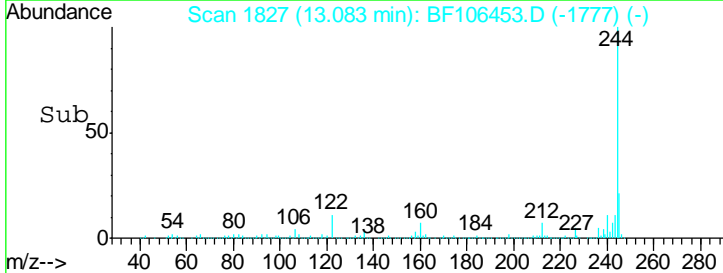
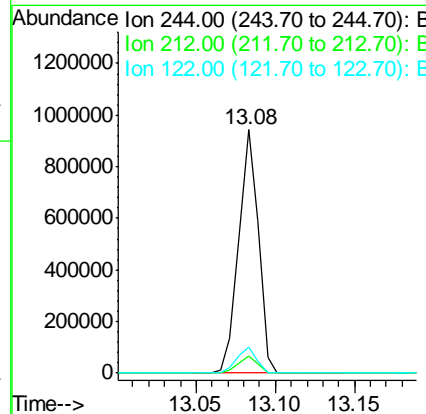
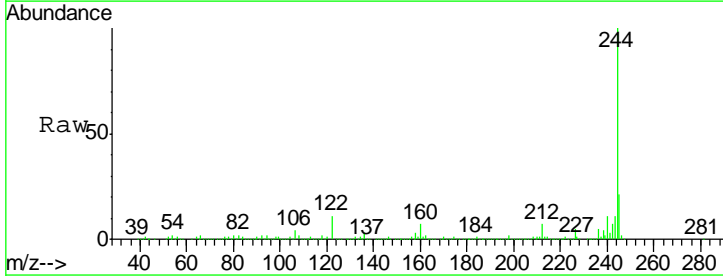
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

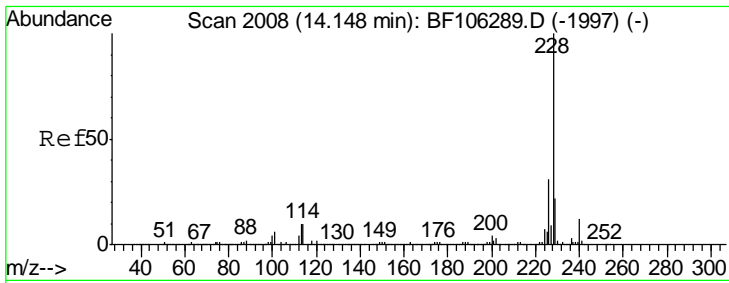
Tgt Ion	Resp	Lower	Upper
202	659819		
200	21.7	17.4	26.2
203	18.2	14.3	21.5



#78  
 Terphenyl-d14  
 Concen: 71.389 ng  
 RT: 13.08 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
244	817649		
212	7.1	5.4	8.0
122	10.7	11.0	16.4#

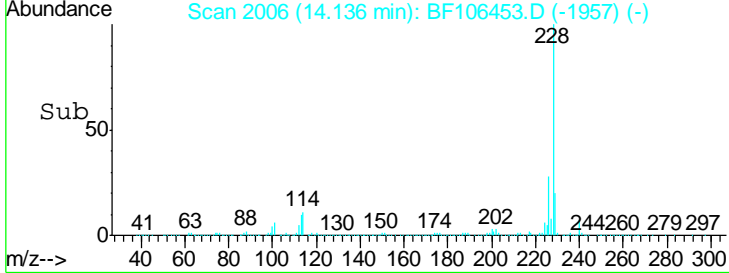
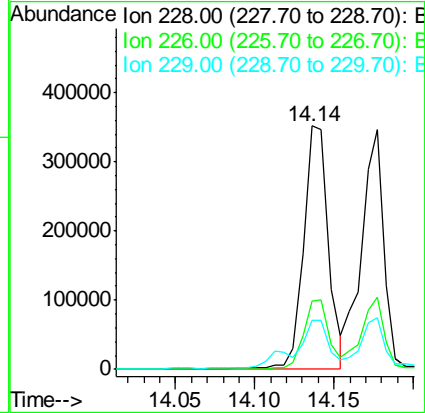
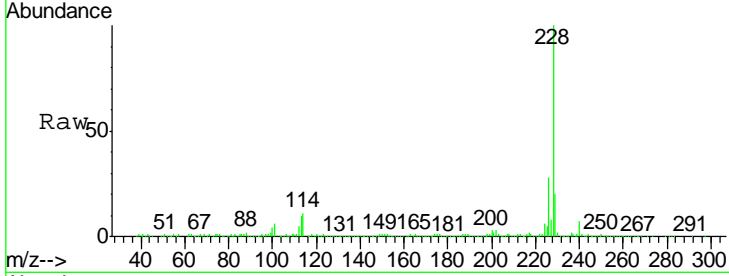




#80  
 Benzo(a)anthracene  
 Concen: 22.541 ng  
 RT: 14.14 min Scan# 2006  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

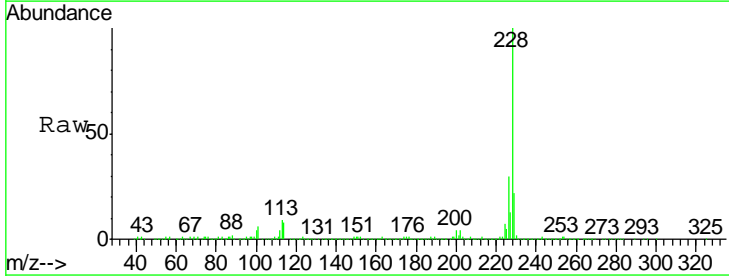
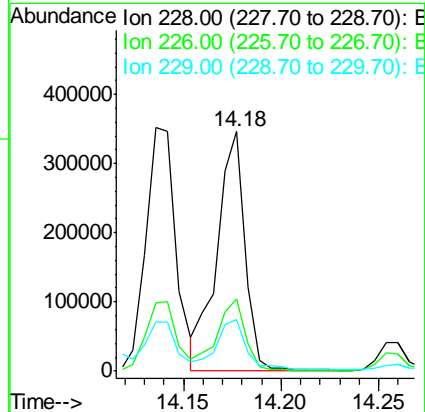
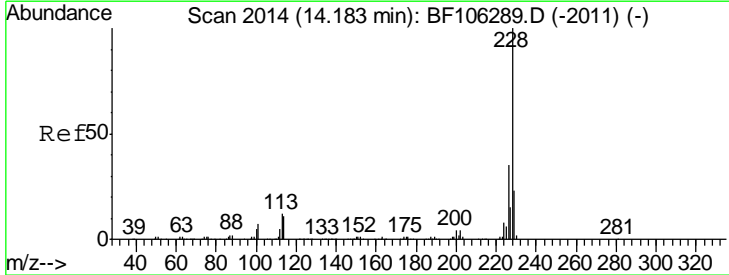
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

Tgt Ion	Resp	Lower	Upper
228	381592		
226	28.1	22.6	33.8
229	20.4	15.8	23.6

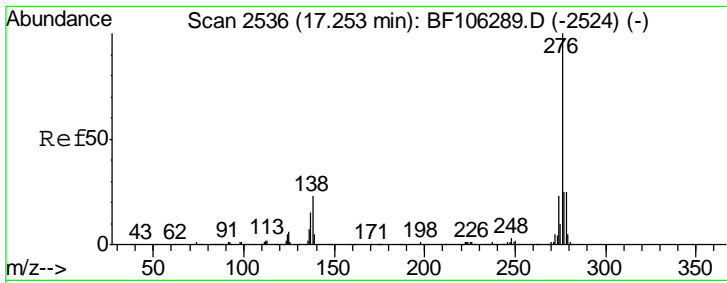


#82  
 Chrysene  
 Concen: 22.222 ng  
 RT: 14.18 min Scan# 2013  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
228	343478		
226	30.3	25.0	37.6
229	21.8	16.2	24.4



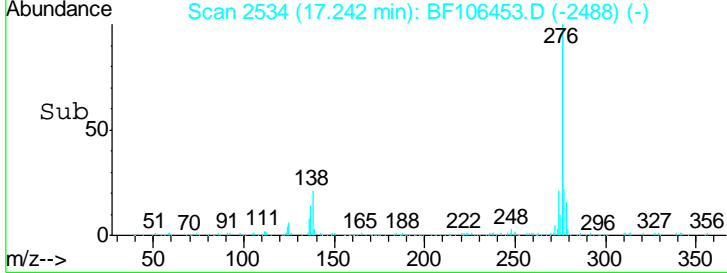
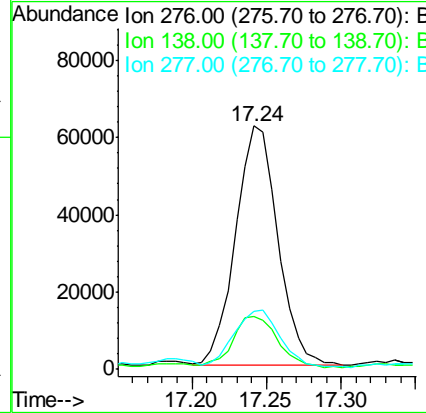
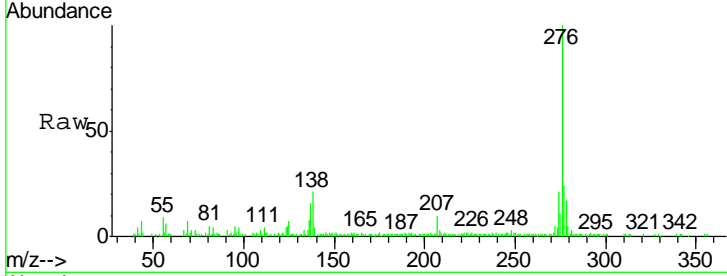




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.933 ng  
 RT: 17.24 min Scan# 2534  
 Delta R.T. -0.03 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

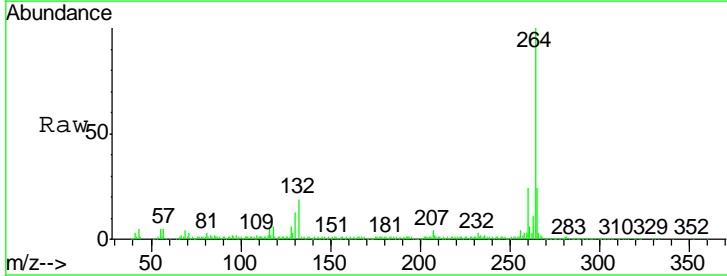
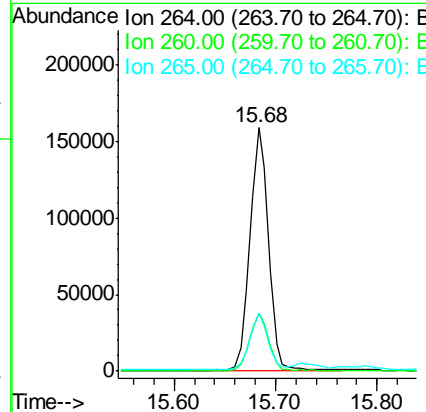
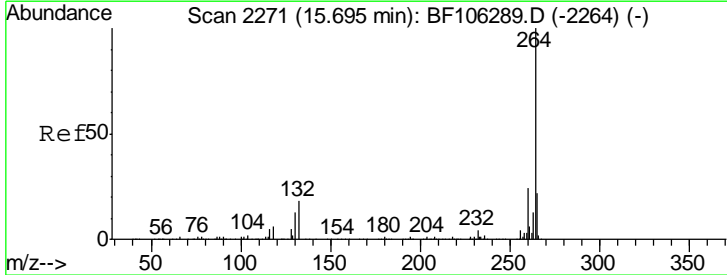
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

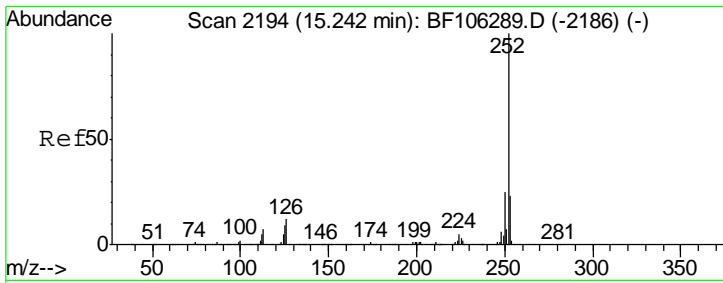
Tgt Ion	Resp	Lower	Upper
276	122527		
138	22.7	25.0	37.6#
277	25.8	20.1	30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2269  
 Delta R.T. -0.02 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
264	201930		
260	23.8	19.2	28.8
265	23.9	17.5	26.3

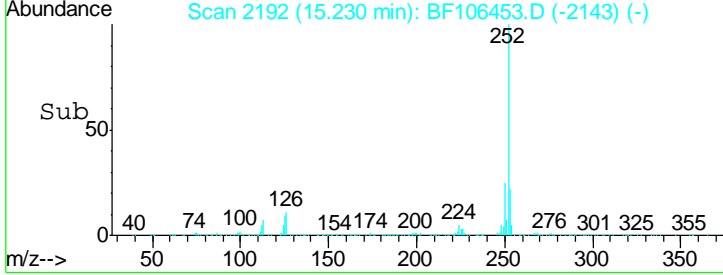
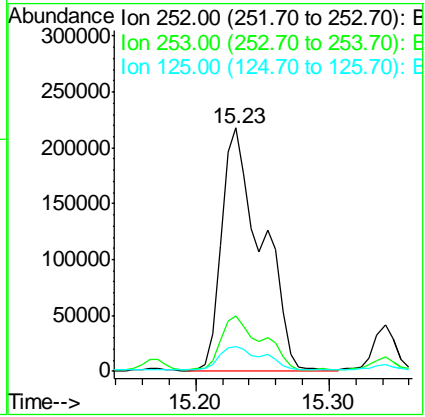
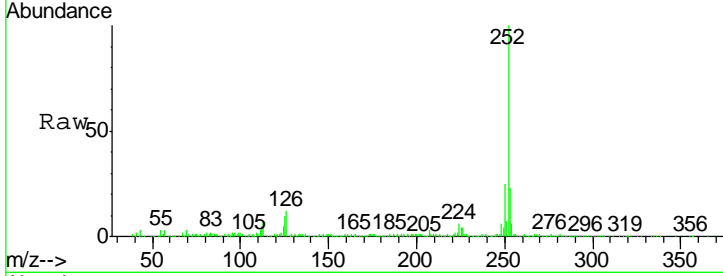




#87  
 Benzo(b)fluoranthene  
 Concen: 37.119 ng  
 RT: 15.23 min Scan# 2192  
 Delta R.T. -0.01 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

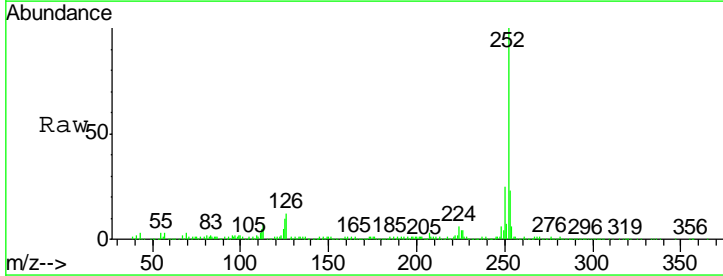
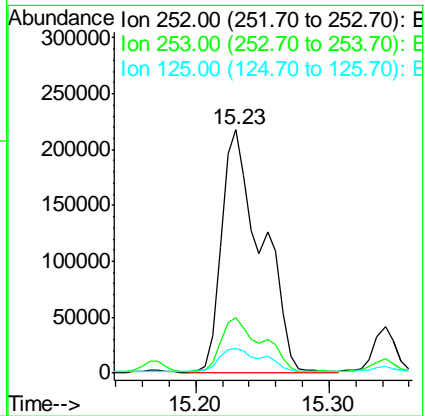
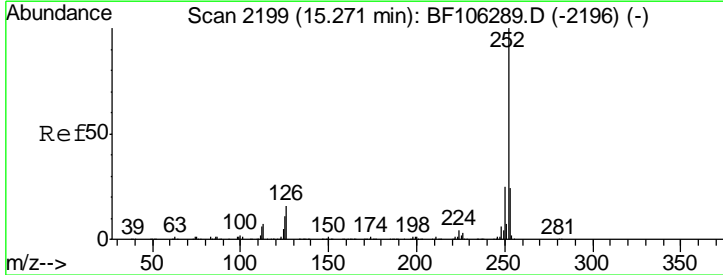
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

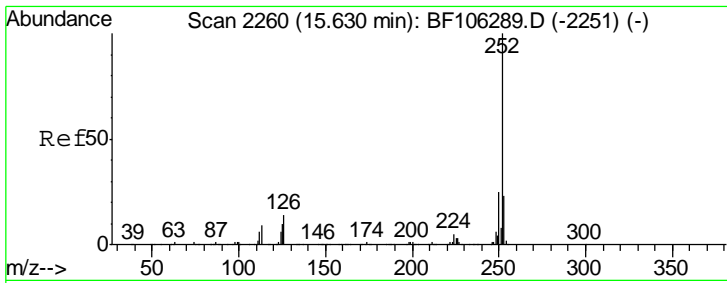
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.1	9.0	13.6



#88  
 Benzo(k)fluoranthene  
 Concen: 37.480 ng  
 RT: 15.23 min Scan# 2192  
 Delta R.T. -0.05 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	10.1	10.2	15.2#

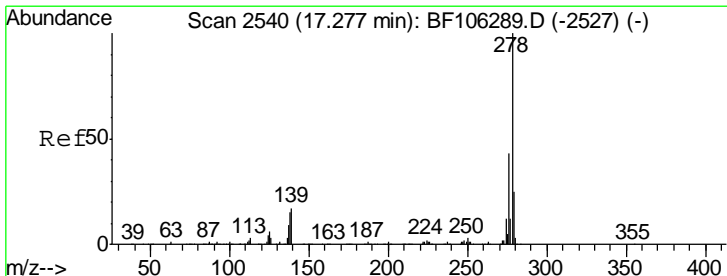
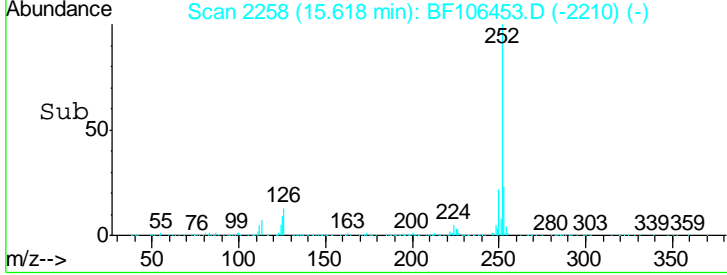
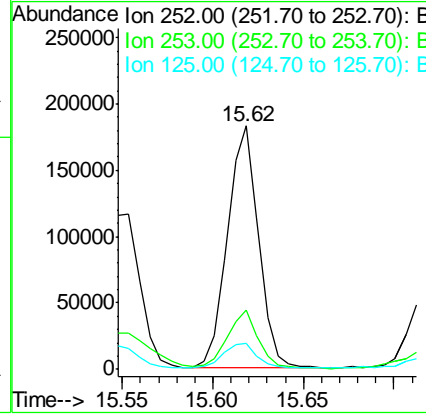
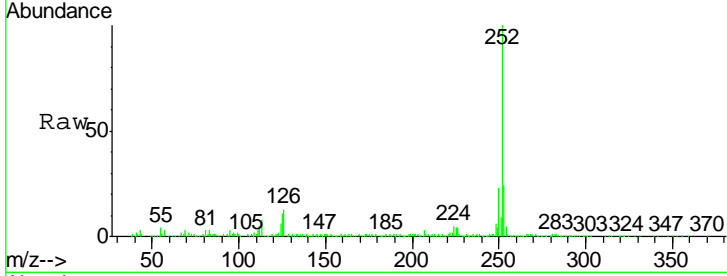




#89  
 Benzo(a)pyrene  
 Concen: 19.830 ng  
 RT: 15.62 min Scan# 2258  
 Delta R.T. -0.02 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

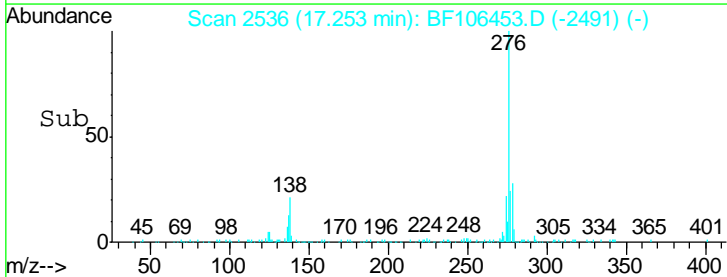
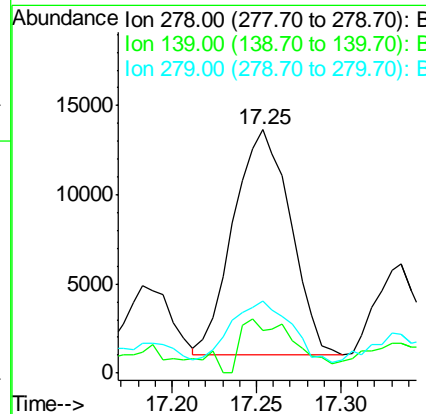
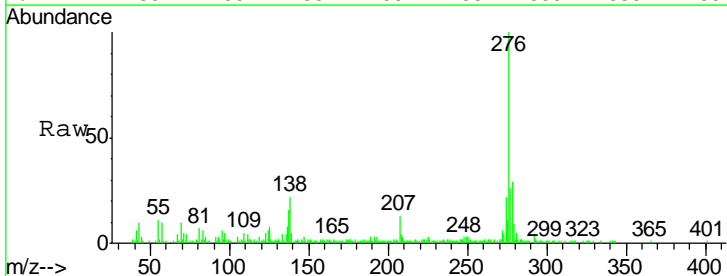
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-D-S

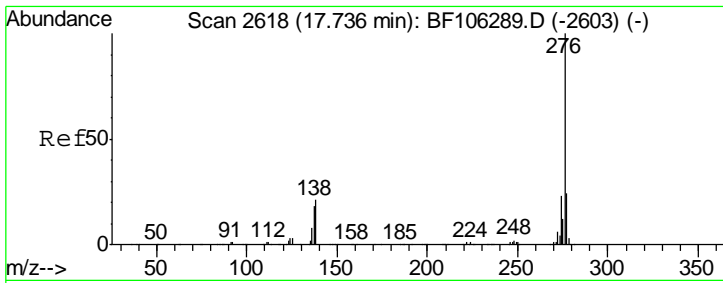
Tgt Ion	Resp	Lower	Upper
252	217712		
253	24.1	17.1	25.7
125	10.7	9.8	14.6



#90  
 Dibenzo(a,h)anthracene  
 Concen: 3.242 ng  
 RT: 17.25 min Scan# 2536  
 Delta R.T. -0.04 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Tgt Ion	Resp	Lower	Upper
278	29678		
139	17.6	15.9	23.9
279	29.4	19.0	28.4





#91  
 Benzo(g,h,i)perylene  
 Concen: 12.906 ng  
 RT: 17.72 min Scan# 2615  
 Delta R.T. -0.03 min  
 Lab File: BF106453.D  
 Acq: 14 Jun 2018 20:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-D-S

Tgt Ion	Resp	Lower	Upper
276	114805		
277	23.8	17.9	26.9
138	20.7	21.8	32.8#

