

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103693.D
 Acq On : 16 Mar 2018 13:45
 Operator : JU/SJ
 Sample : J1867-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 15:53:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 13:24:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	180880	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	742535	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	353985	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	645870	20.00	ng	0.00
75) Chrysene-d12	14.14	240	556469	20.00	ng	0.00
86) Perylene-d12	15.67	264	434783	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	705727	59.34	ng	0.00
7) Phenol-d6	6.57	99	539000	37.05	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1135623	106.65	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	432869	142.22	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1822091	82.11	ng	0.00
78) Terphenyl-d14	13.09	244	1832908	76.45	ng	0.00

Target Compounds

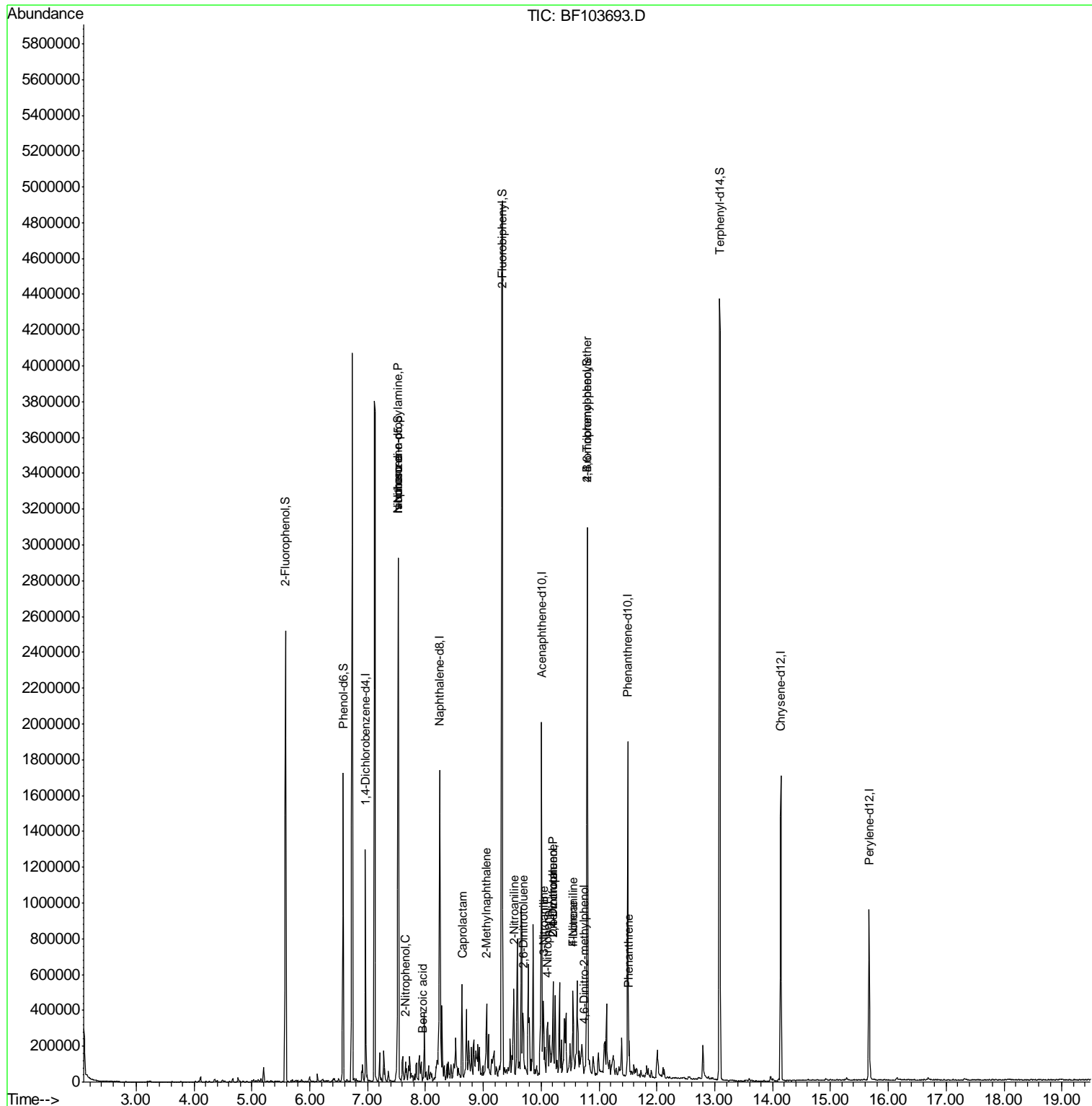
						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	151449	16.243	ng	# 76
25) Isophorone	7.53	82	1135603	46.071	ng	# 64
26) 2-Nitrophenol	7.65	139	111	9.465	ng	# 1
32) Benzoic acid	7.95	122	427	9.951	ng	# 1
35) Caprolactam	8.64	113	31406	9.494	ng	# 85
37) 2-Methylnaphthalene	9.06	142	88897	3.737	ng	96
47) 2-Nitroaniline	9.53	65	3384	7.288	ng	# 17
50) 2,6-Dinitrotoluene	9.69	165	6353	5.099	ng	# 91
52) 3-Nitroaniline	10.03	138	412	3.875	ng	# 95
53) 2,4-Dinitrophenol	10.20	184	299	6.722	ng	# 1
54) Dibenzofuran	10.21	168	70099	2.274	ng	# 94
55) 4-Nitrophenol	10.11	139	8445	6.572	ng	# 29
56) 2,4-Dinitrotoluene	10.20	165	4539	6.811	ng	# 34
57) Fluorene	10.55	166	96697	4.042	ng	99
61) 4-Nitroaniline	10.55	138	1274	3.944	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.75	198	133	8.177	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	25537	3.851	ng	# 1
70) Phenanthrene	11.52	178	77071	2.181	ng	99

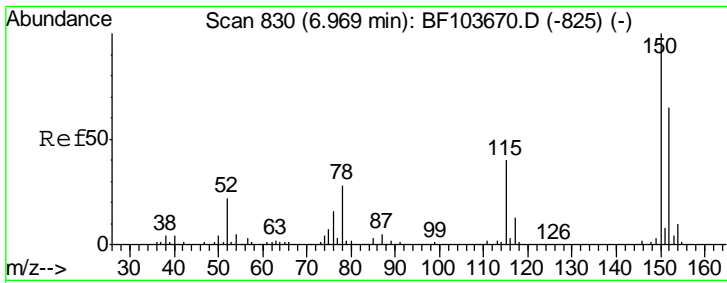
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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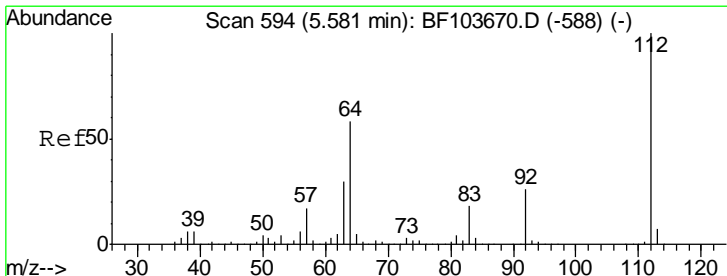
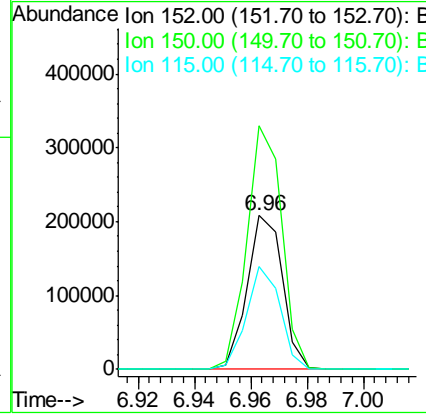
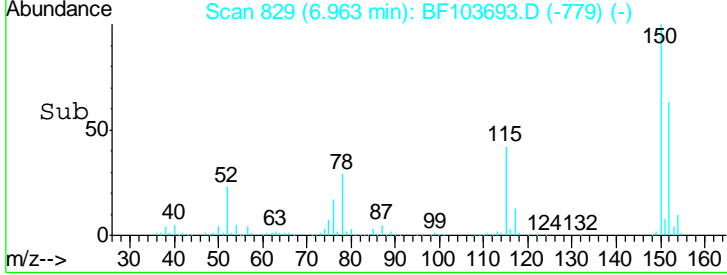
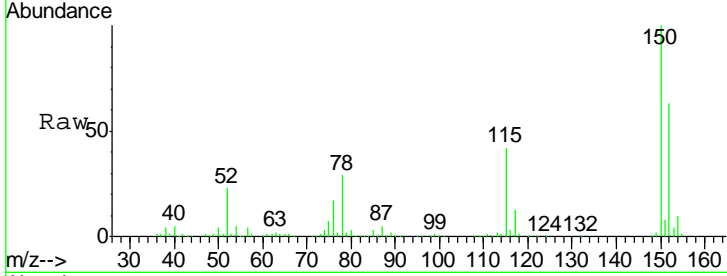




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

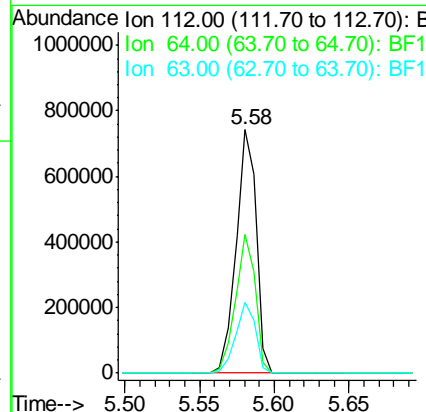
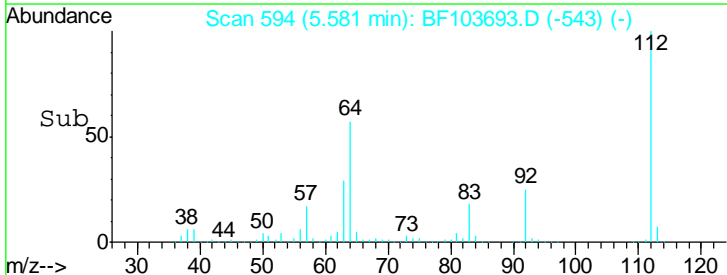
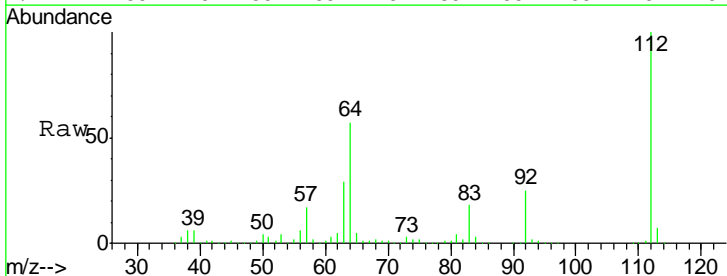
Instrument :
 BNA_F
 ClientSampled :

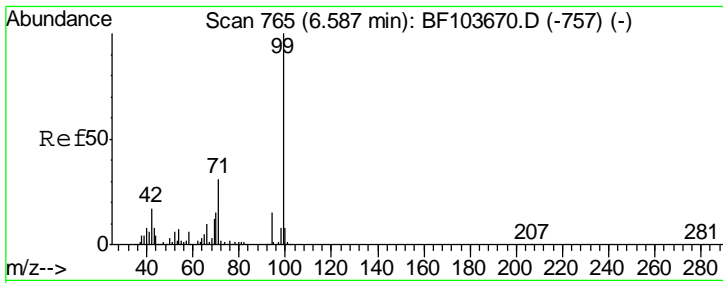
Tgt Ion	Resp	Lower	Upper
152	180880		
150	158.4	124.6	186.8
115	67.0	50.1	75.1



#5
 2-Fluorophenol
 Concen: 59.344 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
112	705727		
64	57.1	47.9	71.9
63	29.2	23.7	35.5

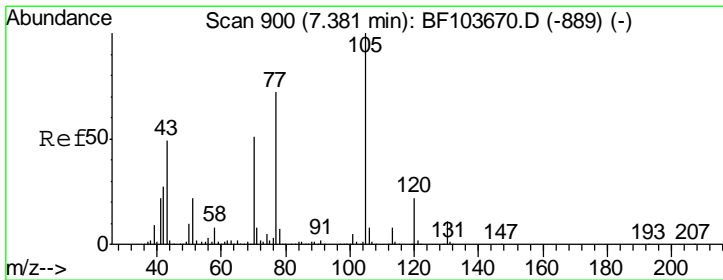
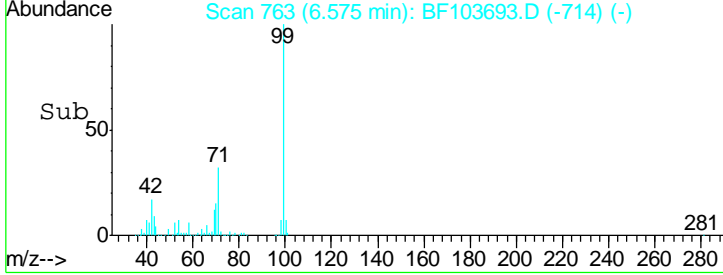
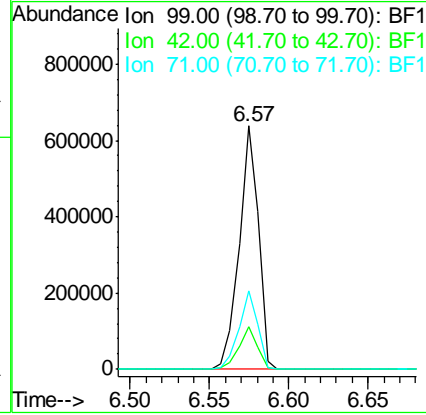
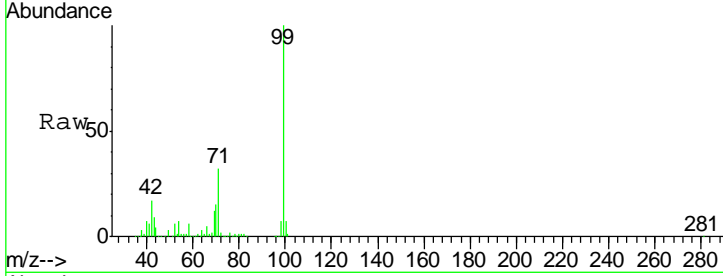




#7
 Phenol-d6
 Concen: 37.046 ng
 RT: 6.57 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

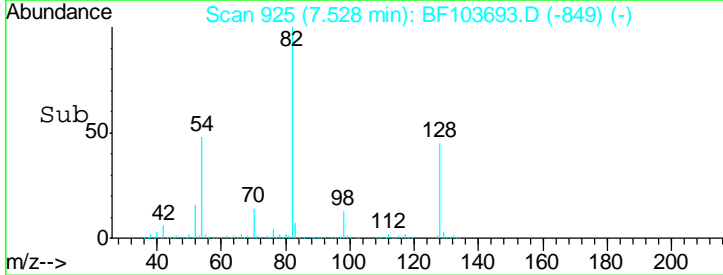
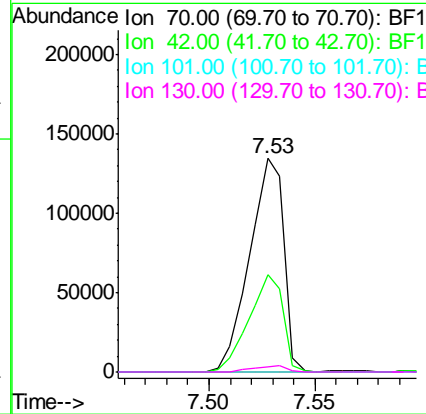
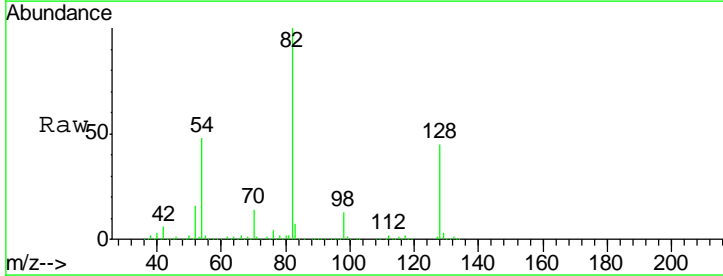
Instrument :
 BNA_F
 ClientSampled :

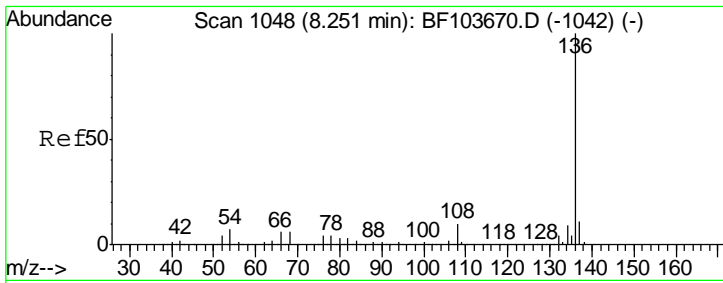
Tgt Ion	Resp	Lower	Upper
99	539000		
42	17.3	14.5	21.7
71	32.4	25.4	38.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 16.243 ng
 RT: 7.53 min Scan# 925
 Delta R.T. 0.15 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
70	151449		
70	100		
42	45.3	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



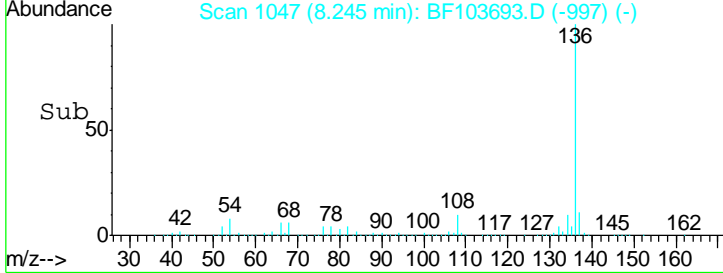
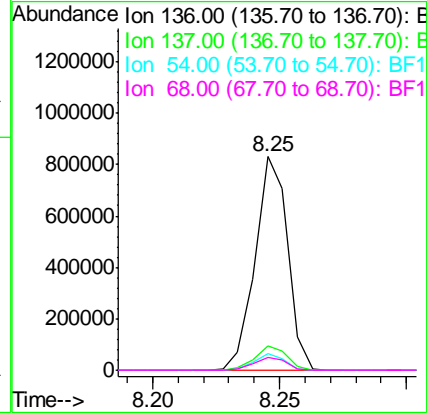
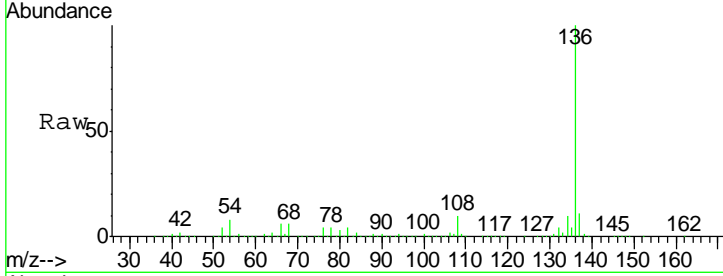


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 136 Resp: 742535

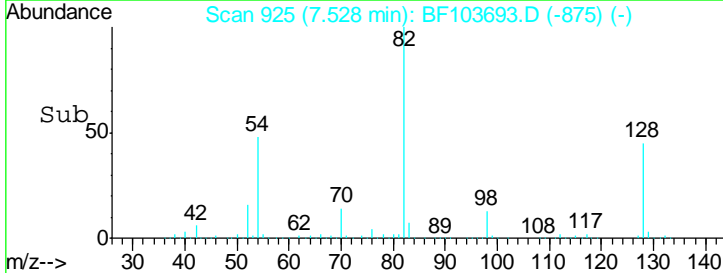
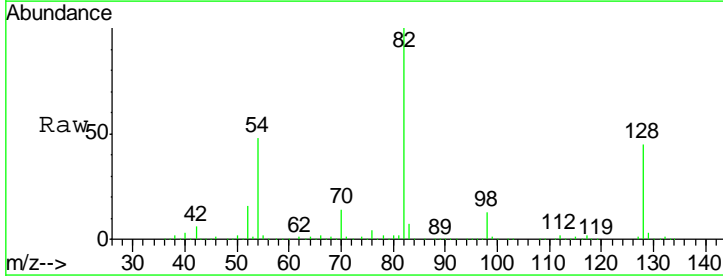
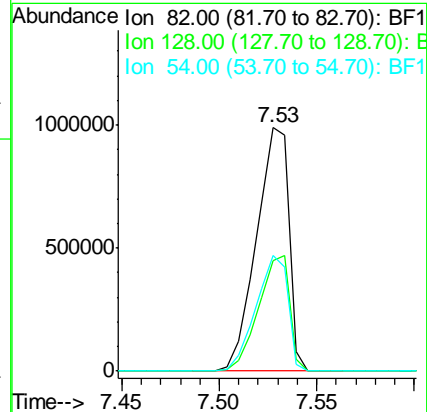
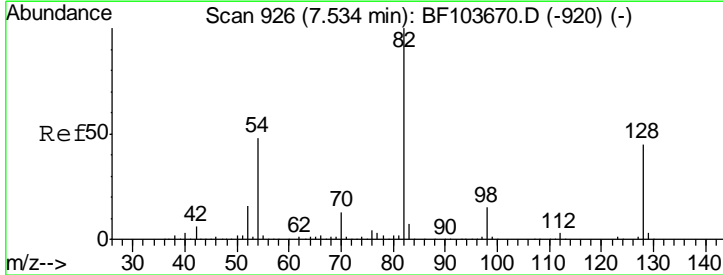
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.7	6.6	9.8
68	6.3	5.0	7.4

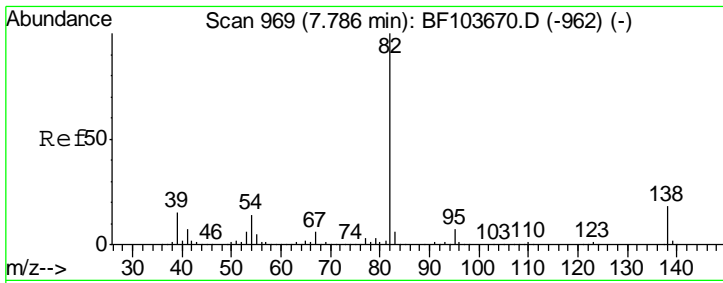


#23
 Nitrobenzene-d5
 Concen: 106.653 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion: 82 Resp: 1135623

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	47.7	41.4	62.2

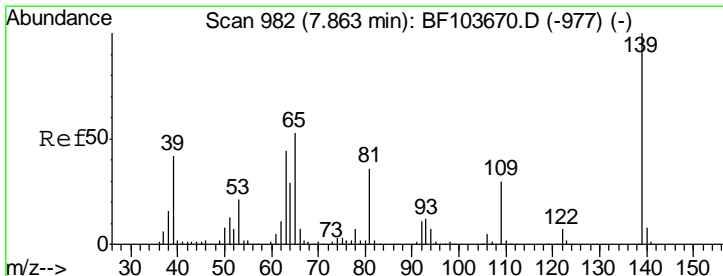
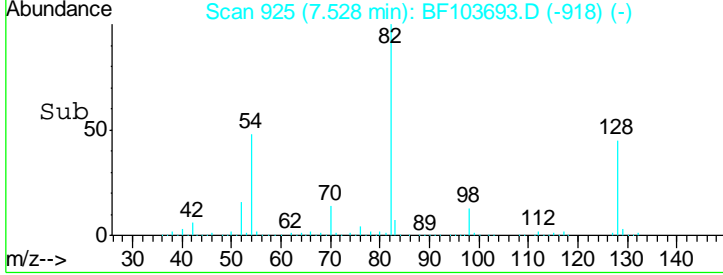
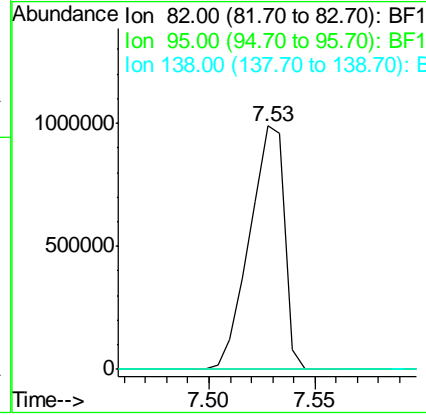
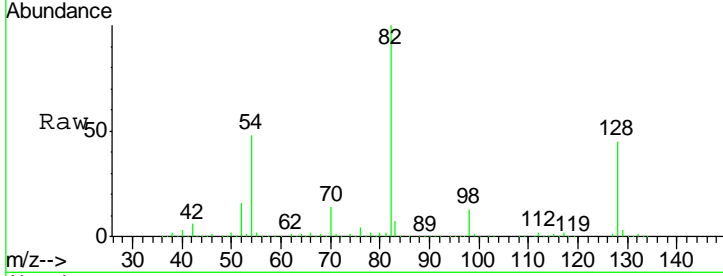




#25
 Isophorone
 Concen: 46.071 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.26 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

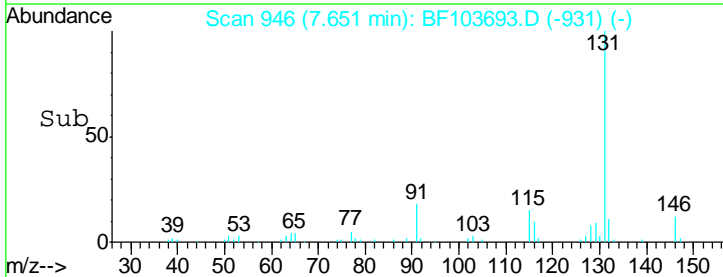
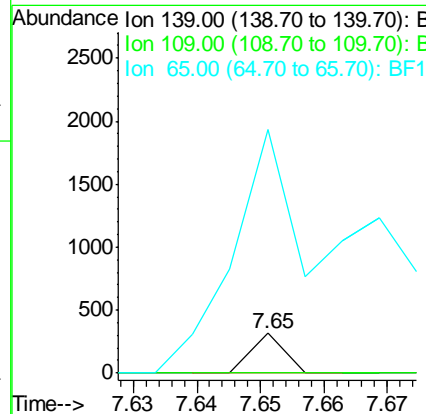
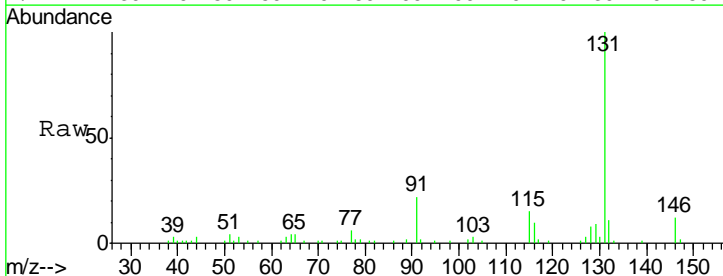
Instrument :
 BNA_F
 ClientSampled :

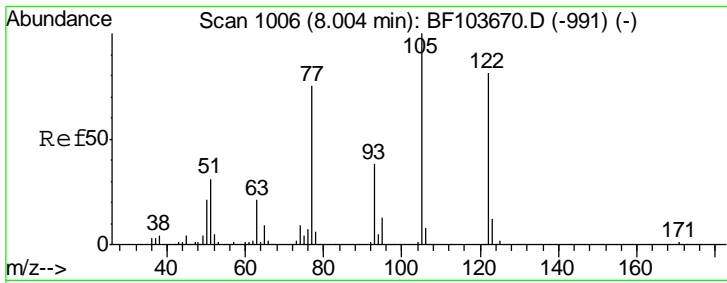
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#26
 2-Nitrophenol
 Concen: 9.465 ng
 RT: 7.65 min Scan# 946
 Delta R.T. -0.21 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	611.7	40.5	60.7#

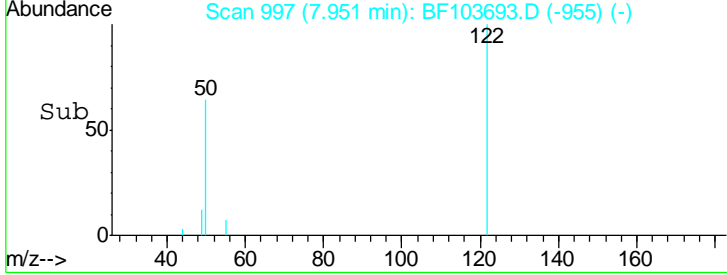
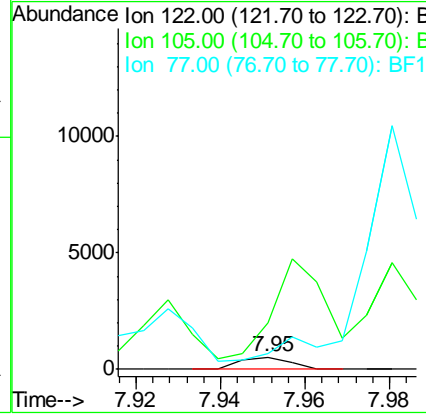
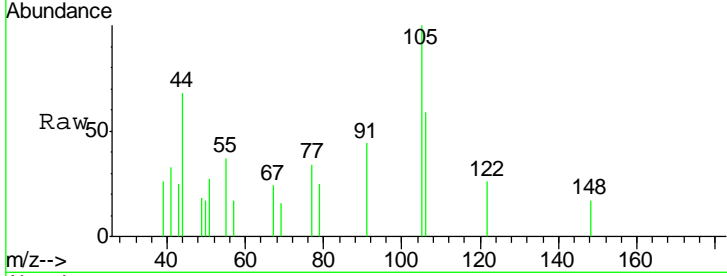




#32
 Benzoic acid
 Concen: 9.951 ng
 RT: 7.95 min Scan# 997
 Delta R.T. -0.05 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

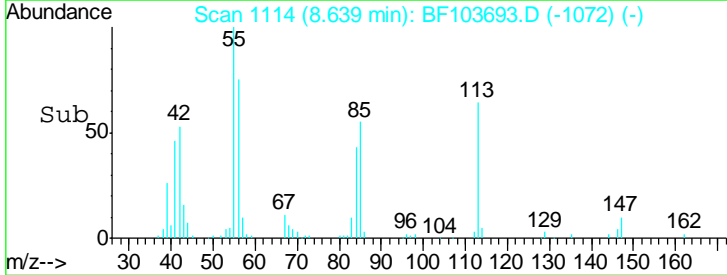
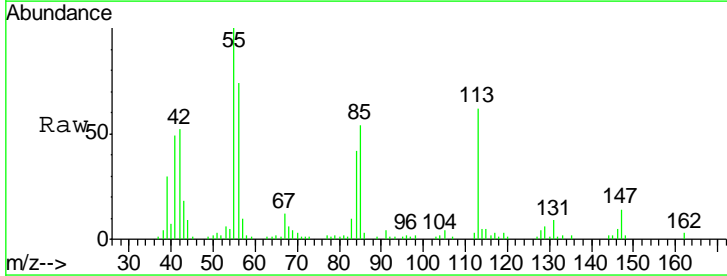
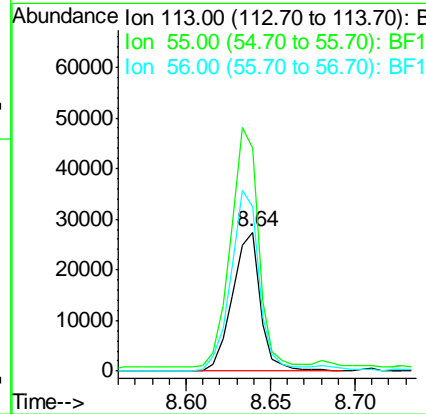
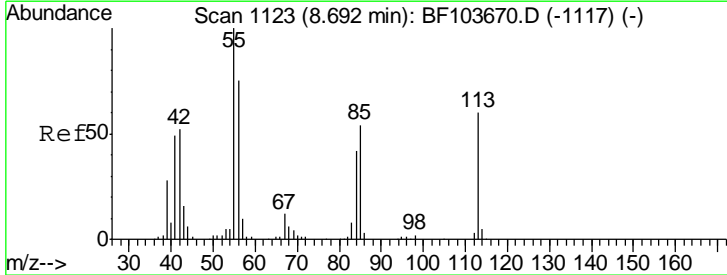
Instrument :
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 ClientSampled :

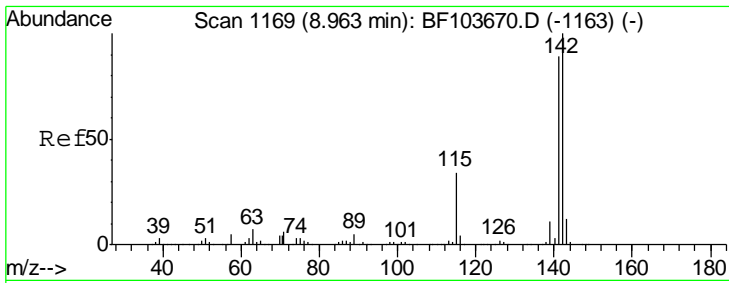
Tgt Ion	Resp	Lower	Upper
122	427		
105	382.3	101.1	141.1#
77	131.2	70.7	110.7#



#35
 Caprolactam
 Concen: 9.494 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. -0.05 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
113	31406		
55	160.6	163.3	203.3#
56	118.4	115.7	155.7

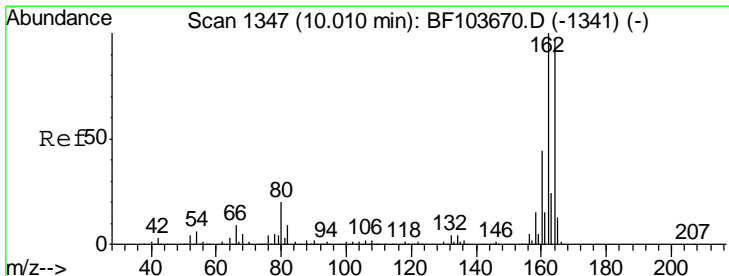
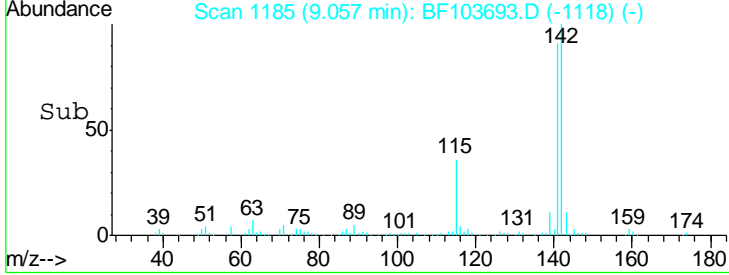
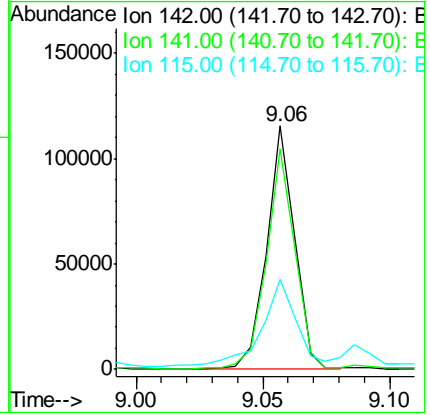
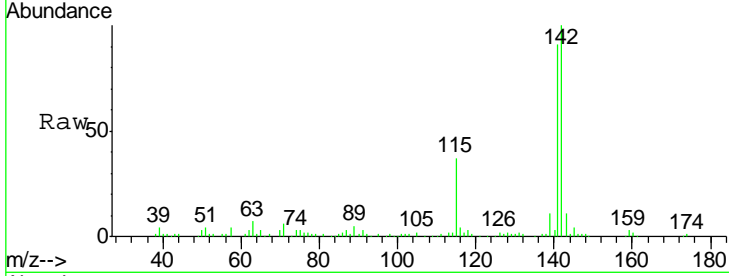




#37
 2-Methylnaphthalene
 Concen: 3.737 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.09 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

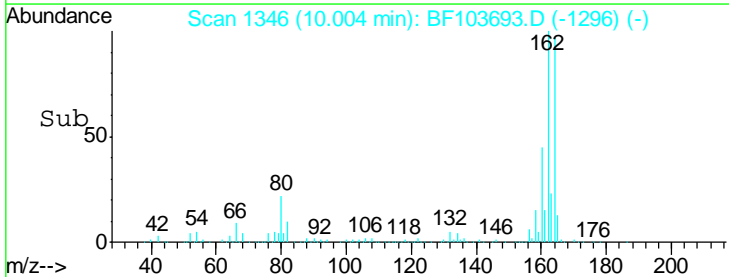
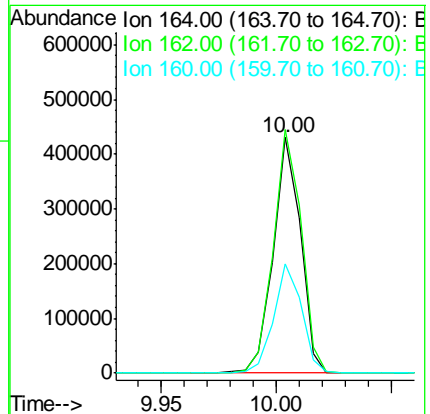
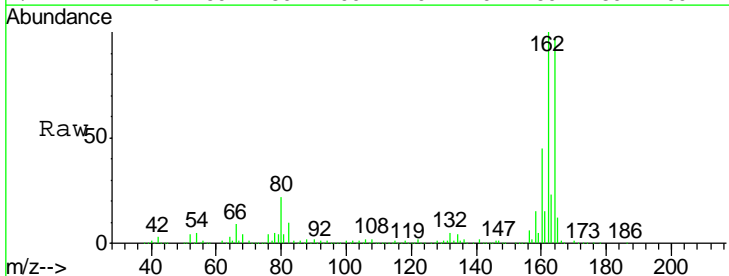
Instrument :
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 ClientSampled :

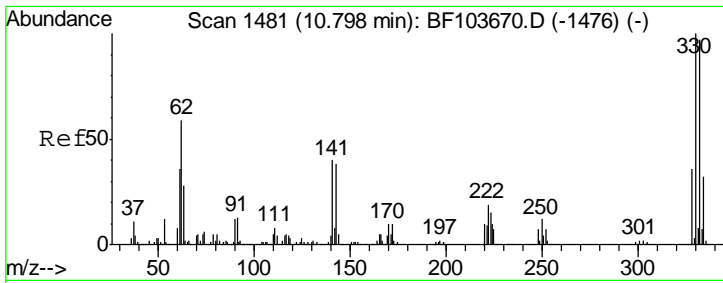
Tgt Ion	Resp	Lower	Upper
142	88897		
141	90.8	70.8	106.2
115	36.8	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
164	353985		
162	103.3	86.1	129.1
160	46.1	38.3	57.5

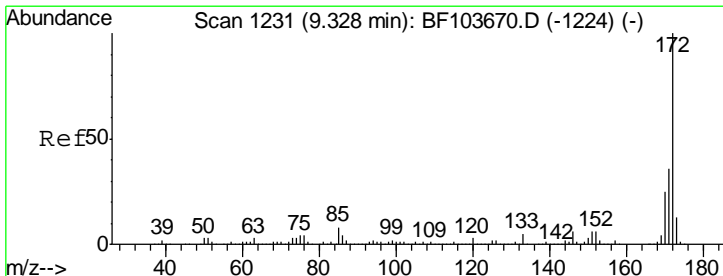
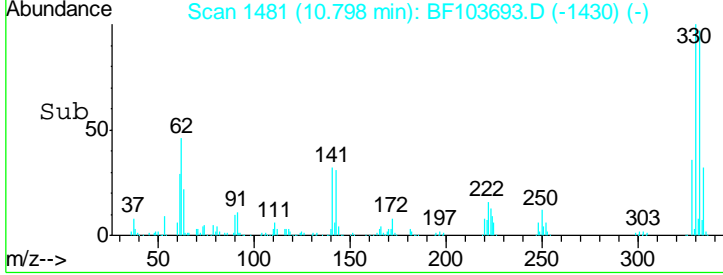
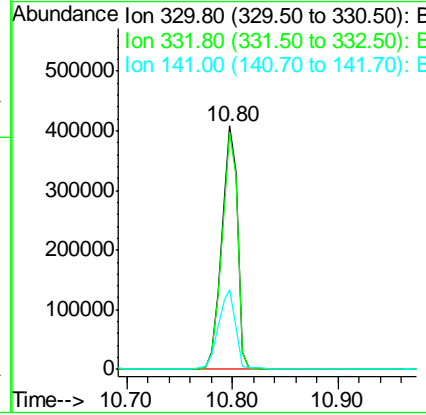
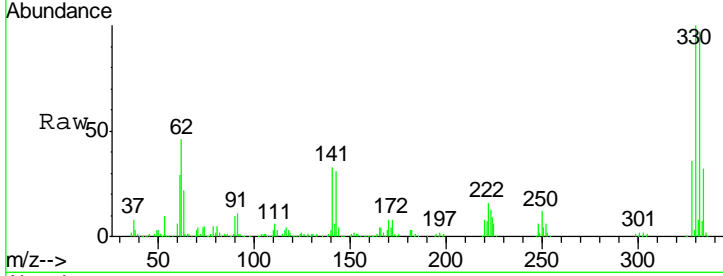




#41
 2,4,6-Tribromophenol
 Concen: 142.223 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

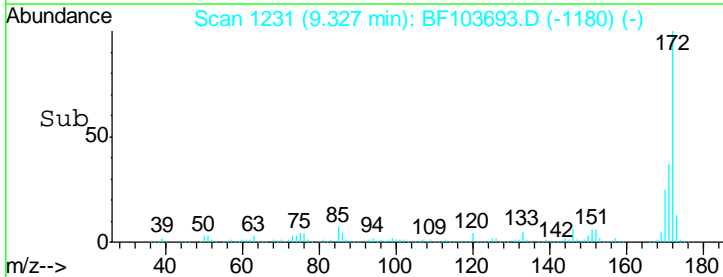
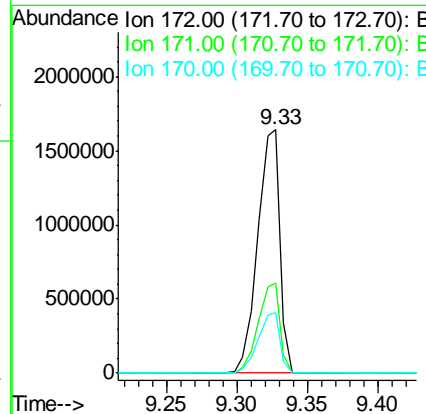
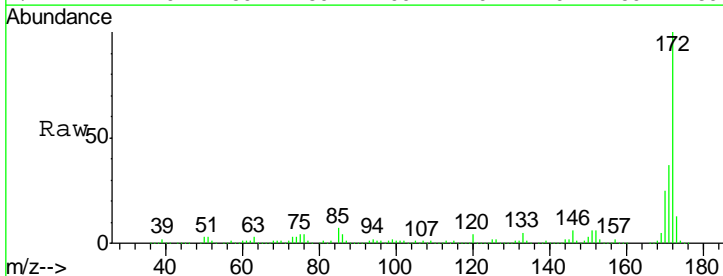
Instrument :
 BNA_F
 ClientSampled :

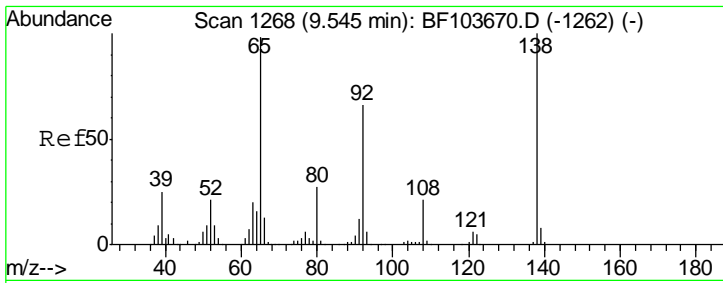
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	35.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 82.108 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.8	19.6	29.4

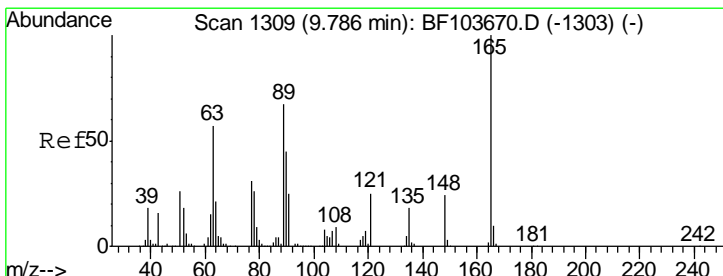
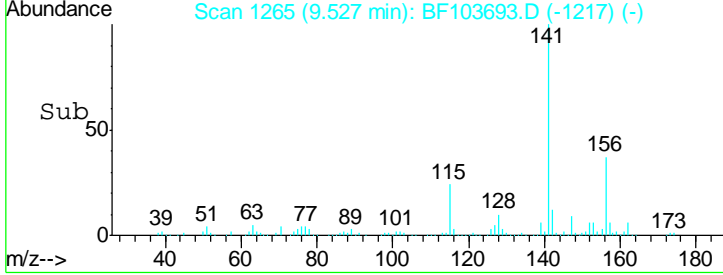
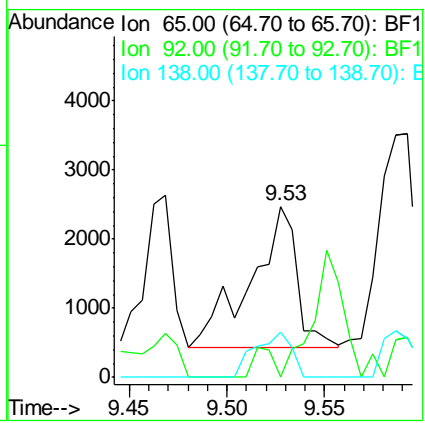
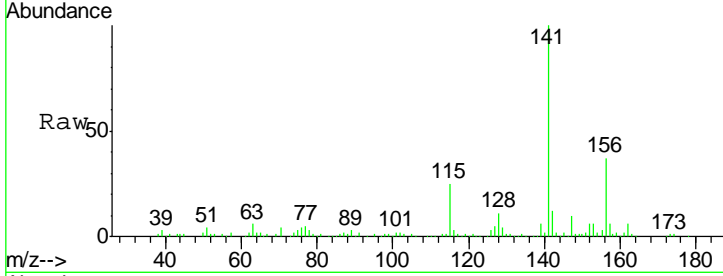




#47
 2-Nitroaniline
 Concen: 7.288 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

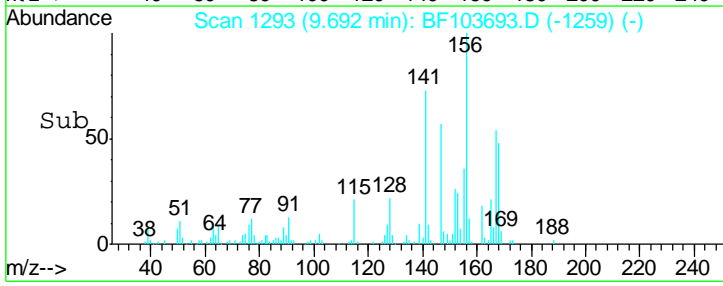
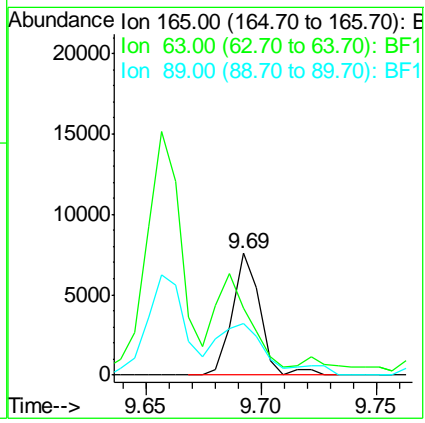
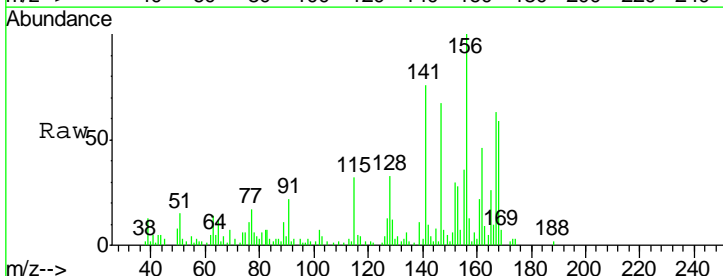
Instrument :
 BNA_F
 ClientSampled :

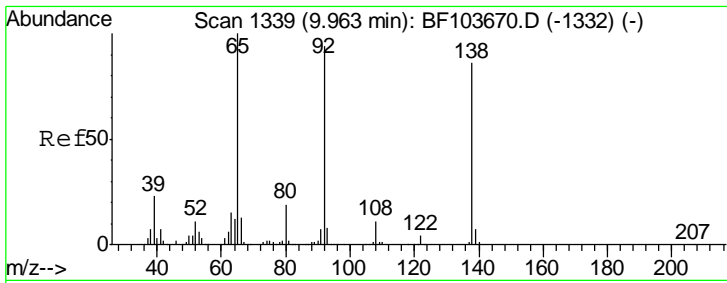
Tgt Ion	Resp	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	26.4	91.2	136.8#



#50
 2,6-Dinitrotoluene
 Concen: 5.099 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.10 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
165	100		
63	55.2	44.7	67.1
89	41.9	44.0	66.0#

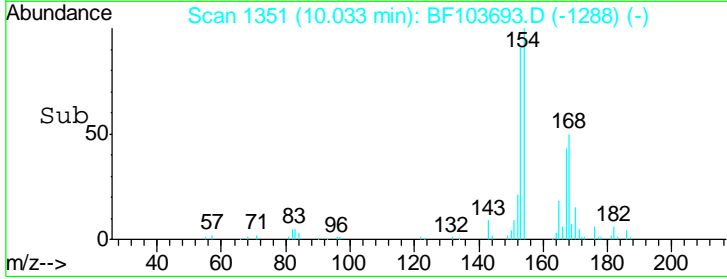
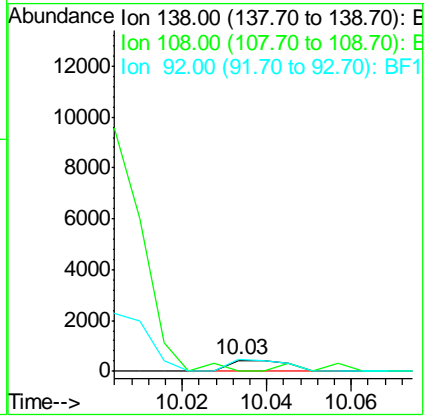
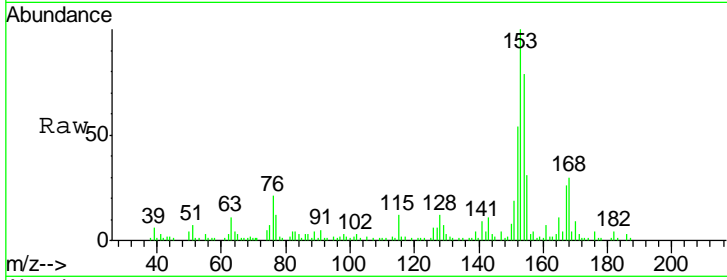




#52
 3-Nitroaniline
 Concen: 3.875 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.07 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

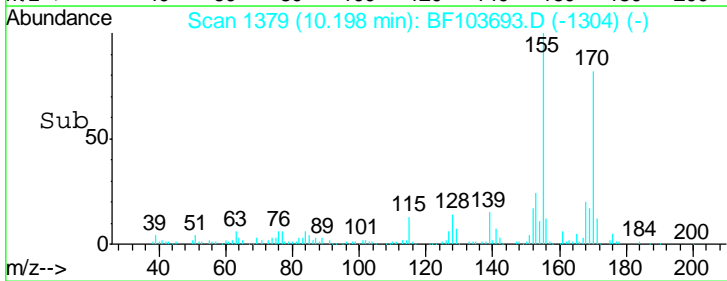
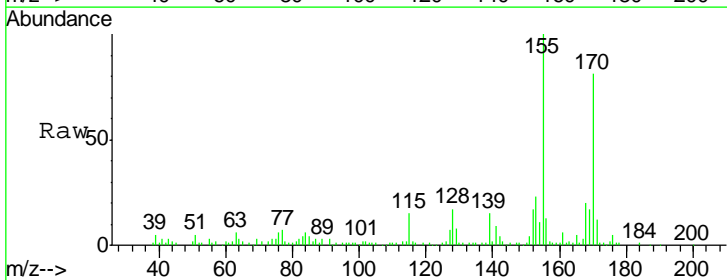
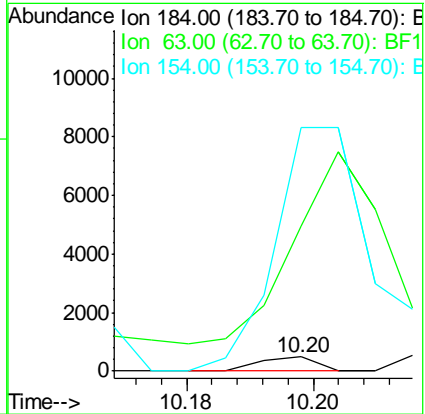
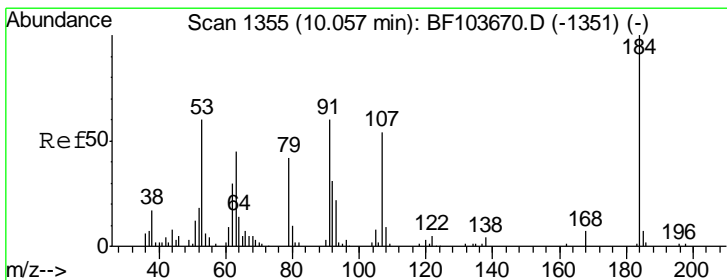
Instrument :
 BNA_F
 ClientSampled :

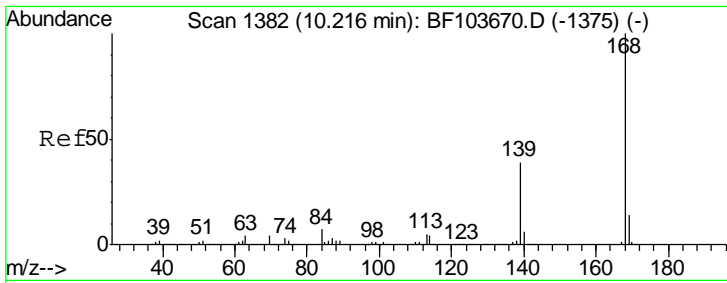
Tgt Ion	Resp	Lower	Upper
138	412		
108	0.0	9.4	14.0#
92	109.5	89.4	134.2



#53
 2,4-Dinitrophenol
 Concen: 6.722 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.14 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
184	299		
63	1030.9	54.2	81.2#
154	1724.1	184.0	276.0#

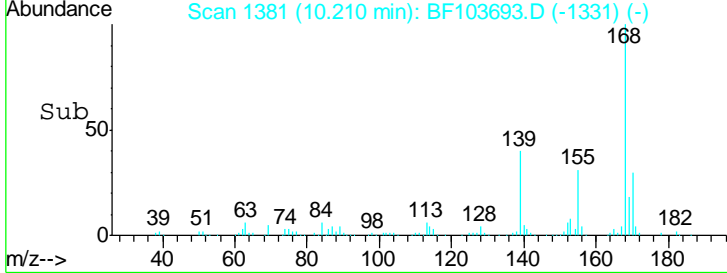
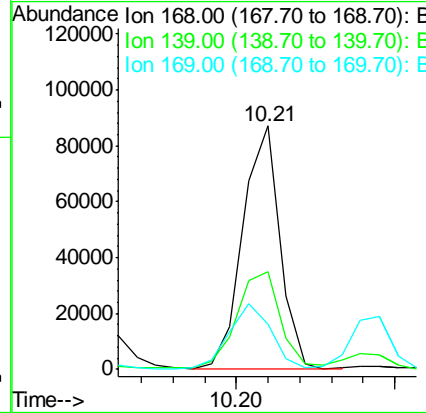
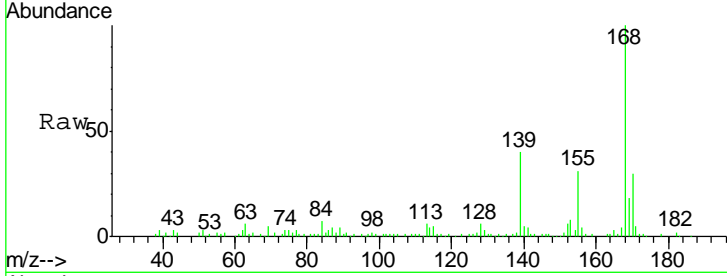




#54
 Dibenzofuran
 Concen: 2.274 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

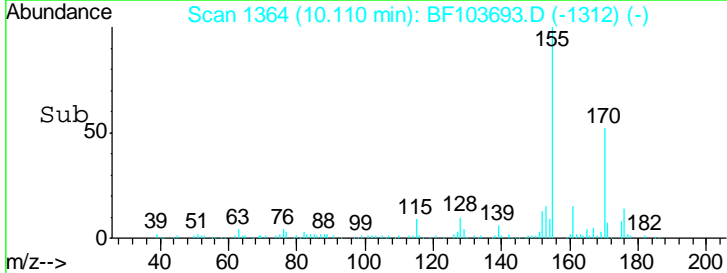
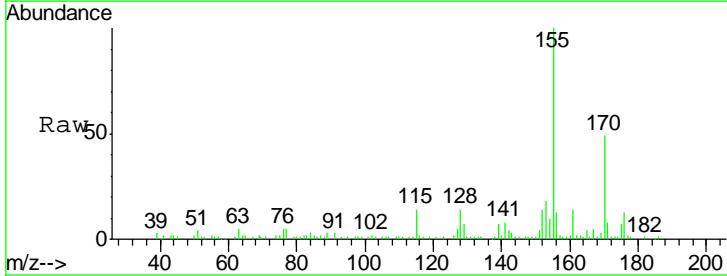
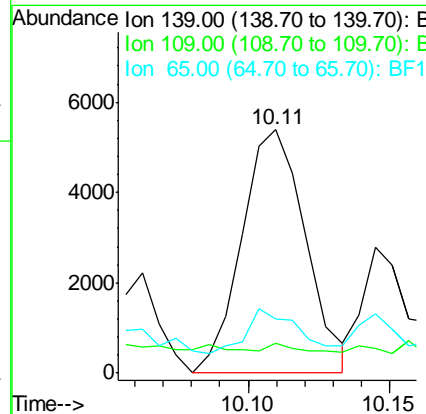
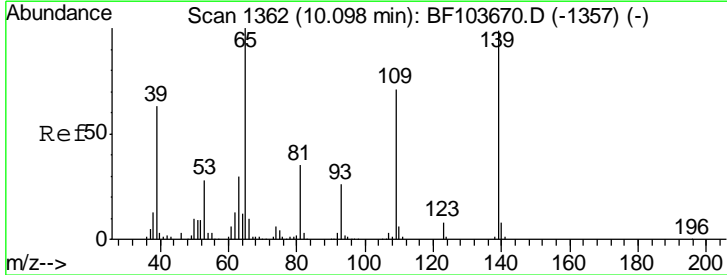
Instrument :
 BNA_F
 ClientSampled :

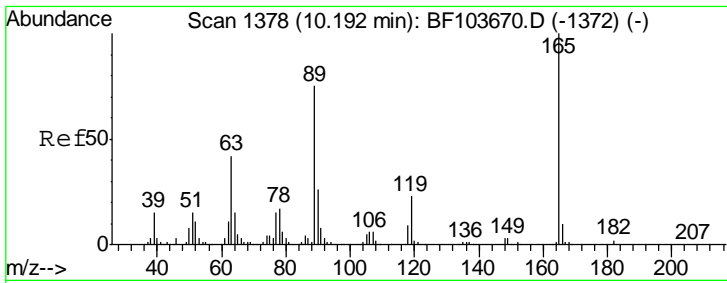
Tgt Ion	Resp	Lower	Upper
168	70099		
139	40.2	30.1	45.1
169	18.4	10.9	16.3#



#55
 4-Nitrophenol
 Concen: 6.572 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
139	8445		
109	12.5	48.4	88.4#
65	22.4	72.6	112.6#

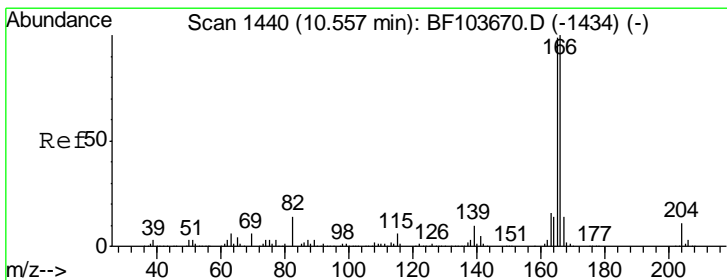
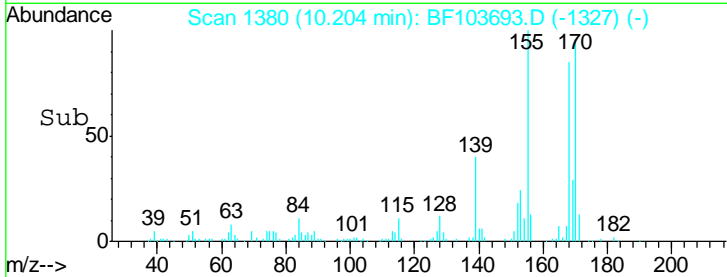
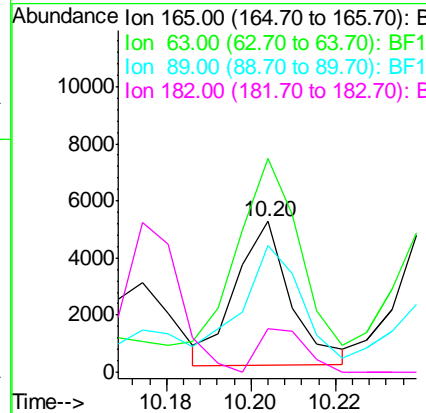
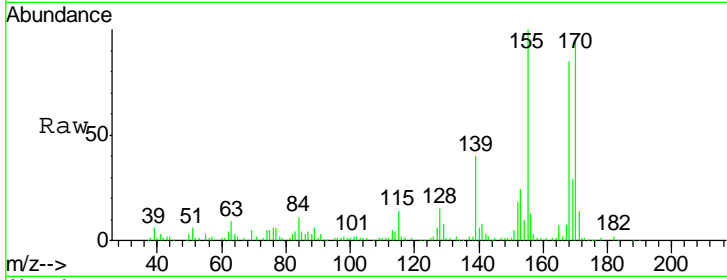




#56
 2,4-Dinitrotoluene
 Concen: 6.811 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

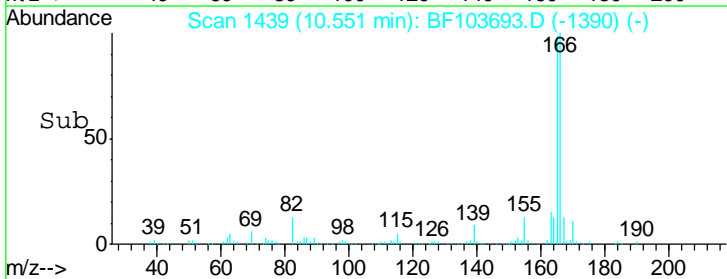
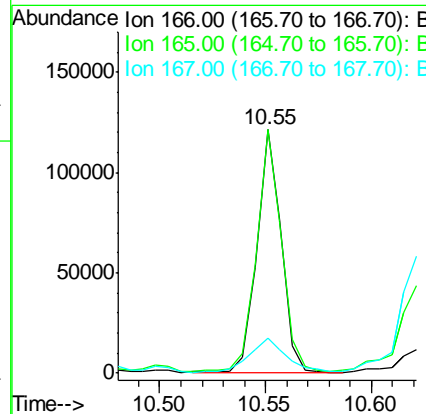
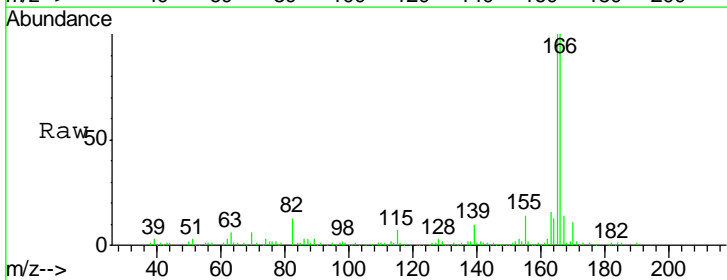
Instrument :
 BNA_F
 ClientSampled :

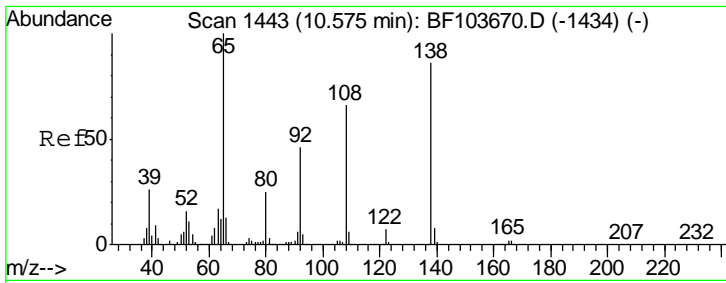
Tgt Ion	Resp	Lower	Upper
165	4539		
63	141.8	36.4	54.6#
89	84.5	57.8	86.6
182	28.8	1.6	2.4#



#57
 Fluorene
 Concen: 4.042 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
166	96697		
165	100.2	79.8	119.8
167	14.5	10.6	16.0

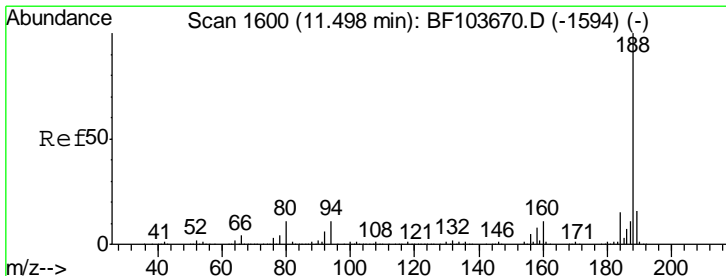
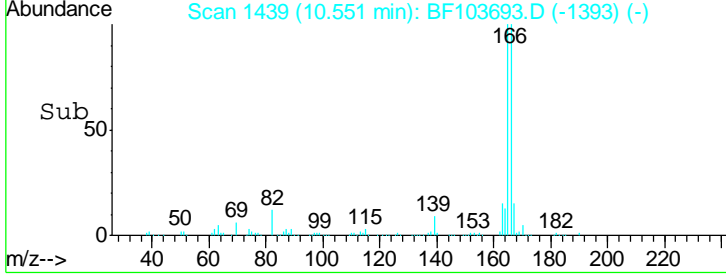
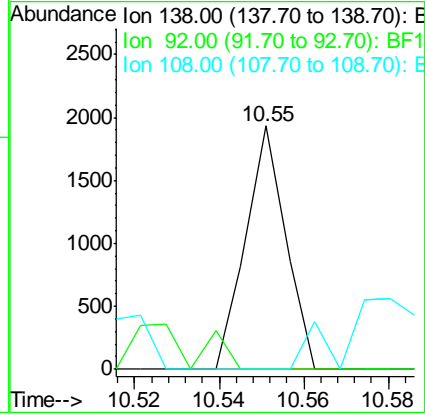
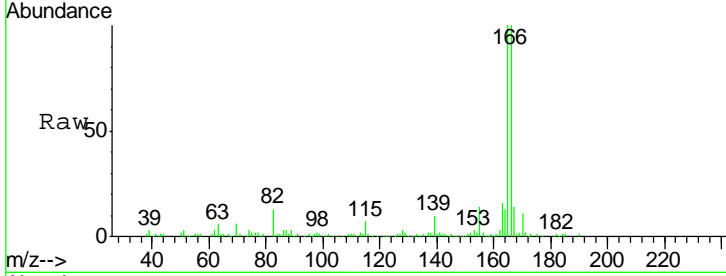




#61
 4-Nitroaniline
 Concen: 3.944 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.03 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

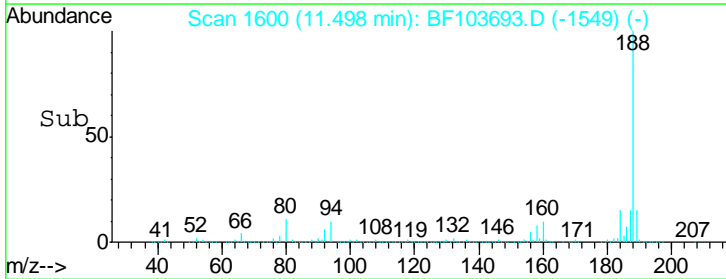
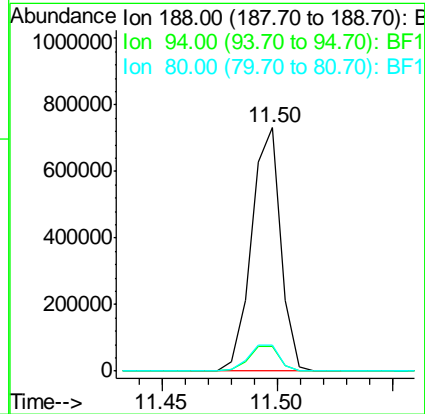
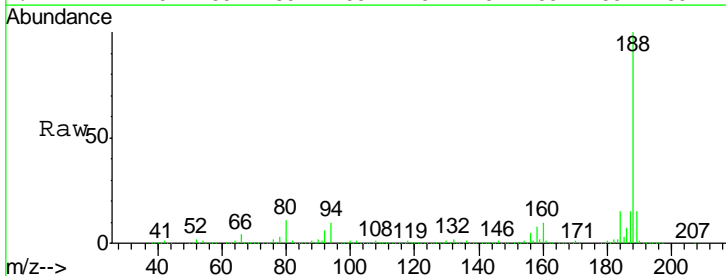
Instrument :
 BNA_F
 ClientSampled :

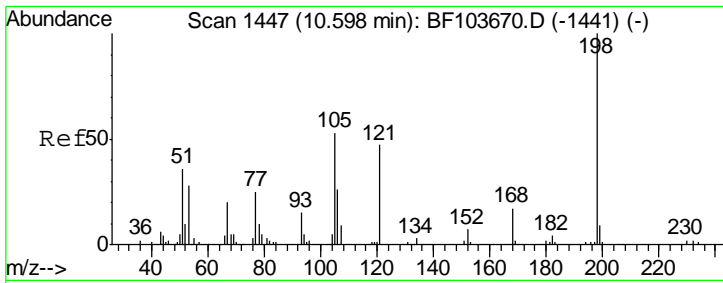
Tgt Ion	Resp	Lower	Upper
138	1274		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
188	645870		
94	9.9	8.5	12.7
80	10.6	9.2	13.8

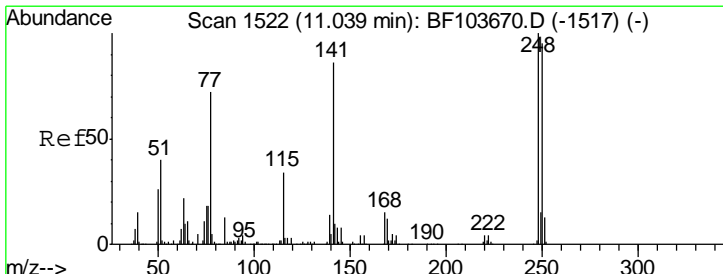
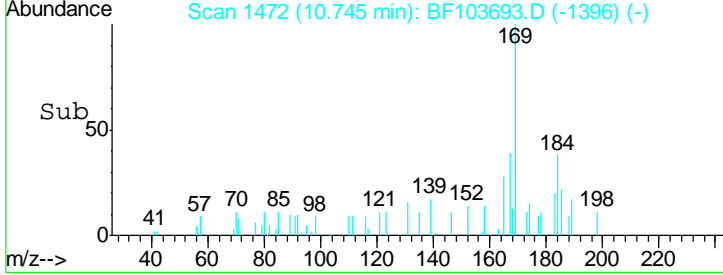
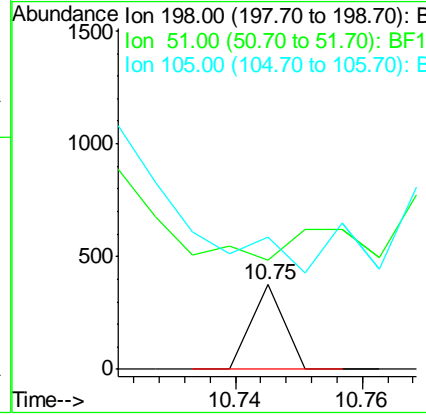
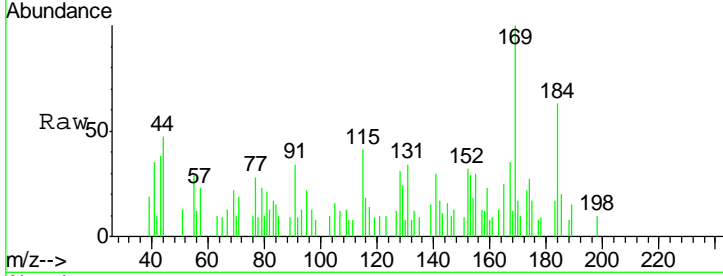




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.177 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. 0.15 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

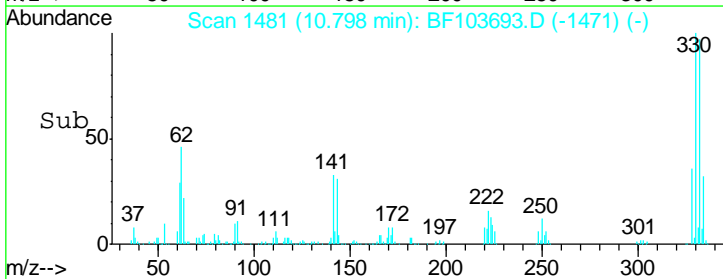
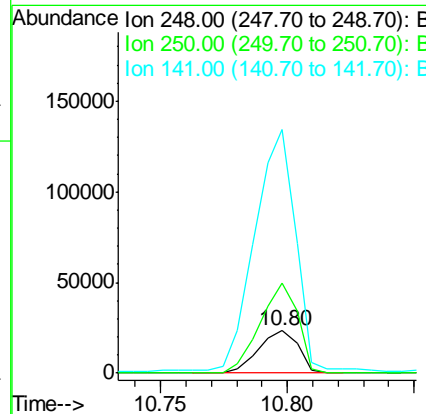
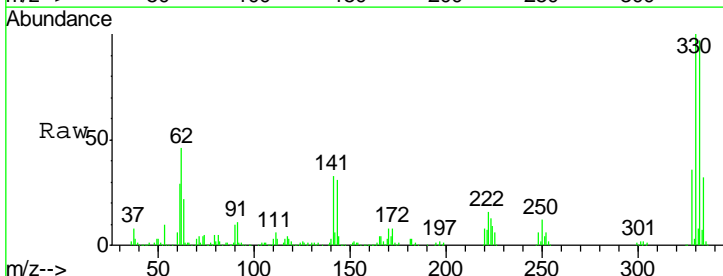
Instrument :
 BNA_F
 ClientSampled :

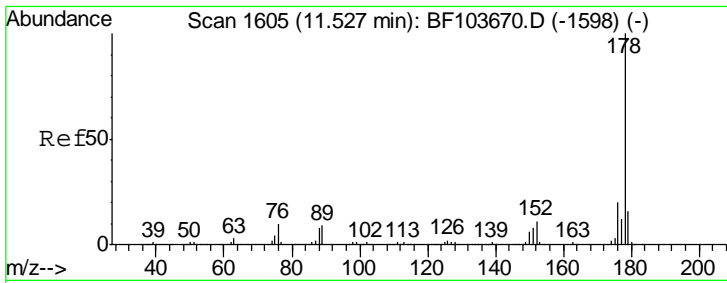
Tgt Ion	Resp	Lower	Upper
198	100		
51	129.0	37.7	77.7#
105	155.9	36.3	76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.851 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.24 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
248	100		
250	210.5	76.9	115.3#
141	571.9	74.4	111.6#

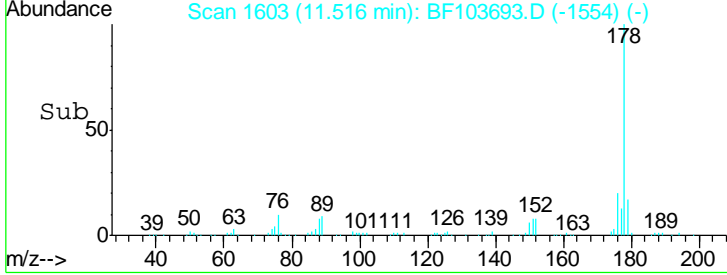
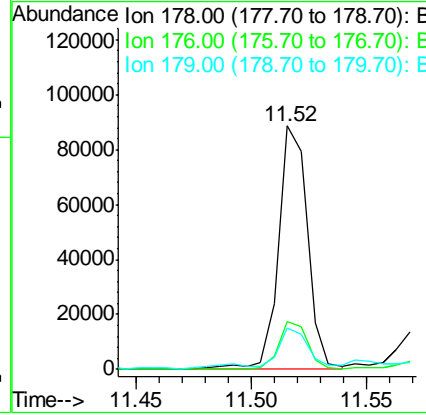
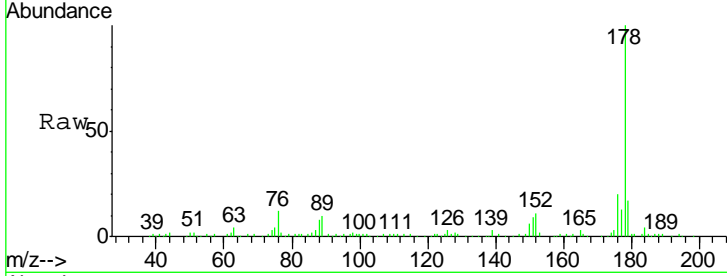




#70
 Phenanthrene
 Concen: 2.181 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

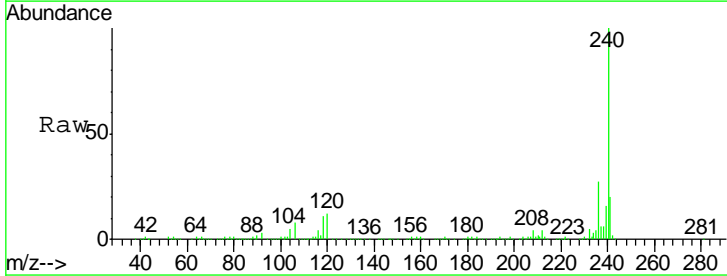
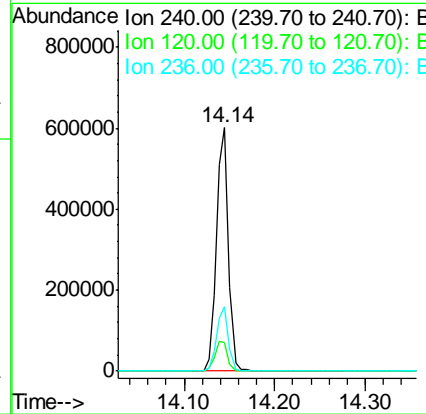
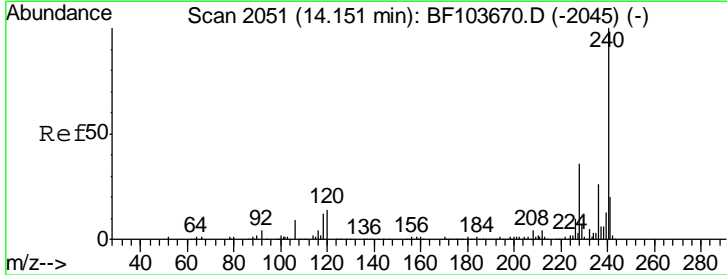
Instrument :
 BNA_F
 ClientSampled :

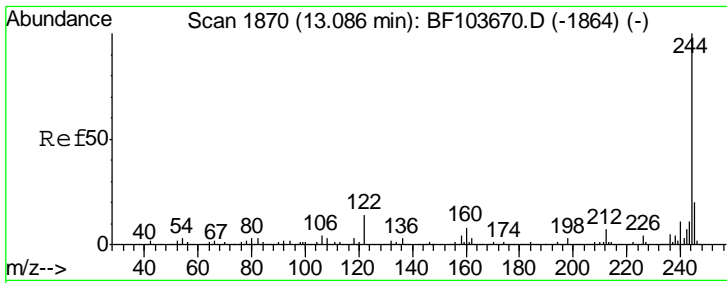
Tgt Ion	Resp	Lower	Upper
178	77071		
176	19.8	15.8	23.8
179	17.1	13.0	19.6



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion	Resp	Lower	Upper
240	556469		
120	12.0	9.5	14.3
236	26.5	20.7	31.1



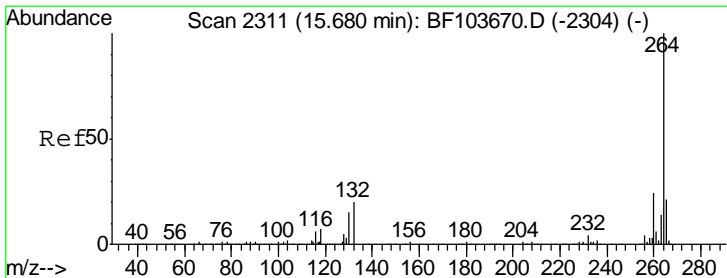
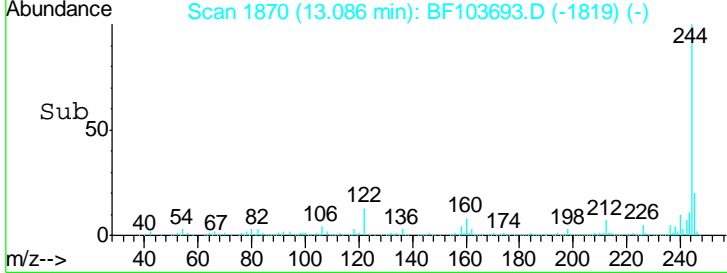
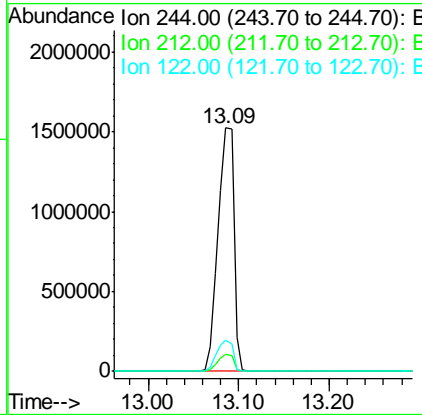
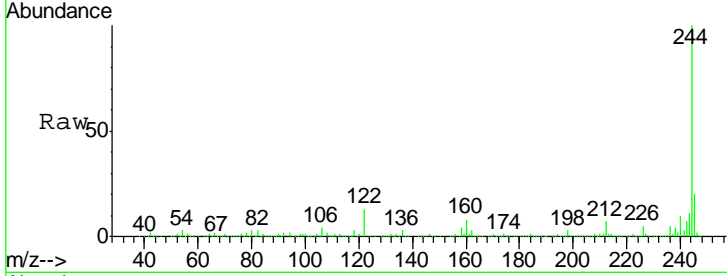


#78
 Terphenyl-d14
 Concen: 76.454 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 244 Resp: 1832908

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.8	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion: 264 Resp: 434783

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

