

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071217\
 Data File : BF096701.D
 Acq On : 12 Jul 2017 19:39
 Operator : SJ/JU
 Sample : I4144-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 01:05:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	111596	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	437393	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	170071	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	246753	20.00	ng	-0.04
75) Chrysene-d12	13.81	240	185201	20.00	ng	-0.04
86) Perylene-d12	15.20	264	183244	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	693432	91.71	ng	-0.02
7) Phenol-d6	6.32	99	847286	91.15	ng	-0.03
23) Nitrobenzene-d5	7.23	82	505230	69.41	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	128034	96.38	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	816034	82.04	ng	-0.04
78) Terphenyl-d14	12.76	244	413569	47.72	ng	-0.04

Target Compounds

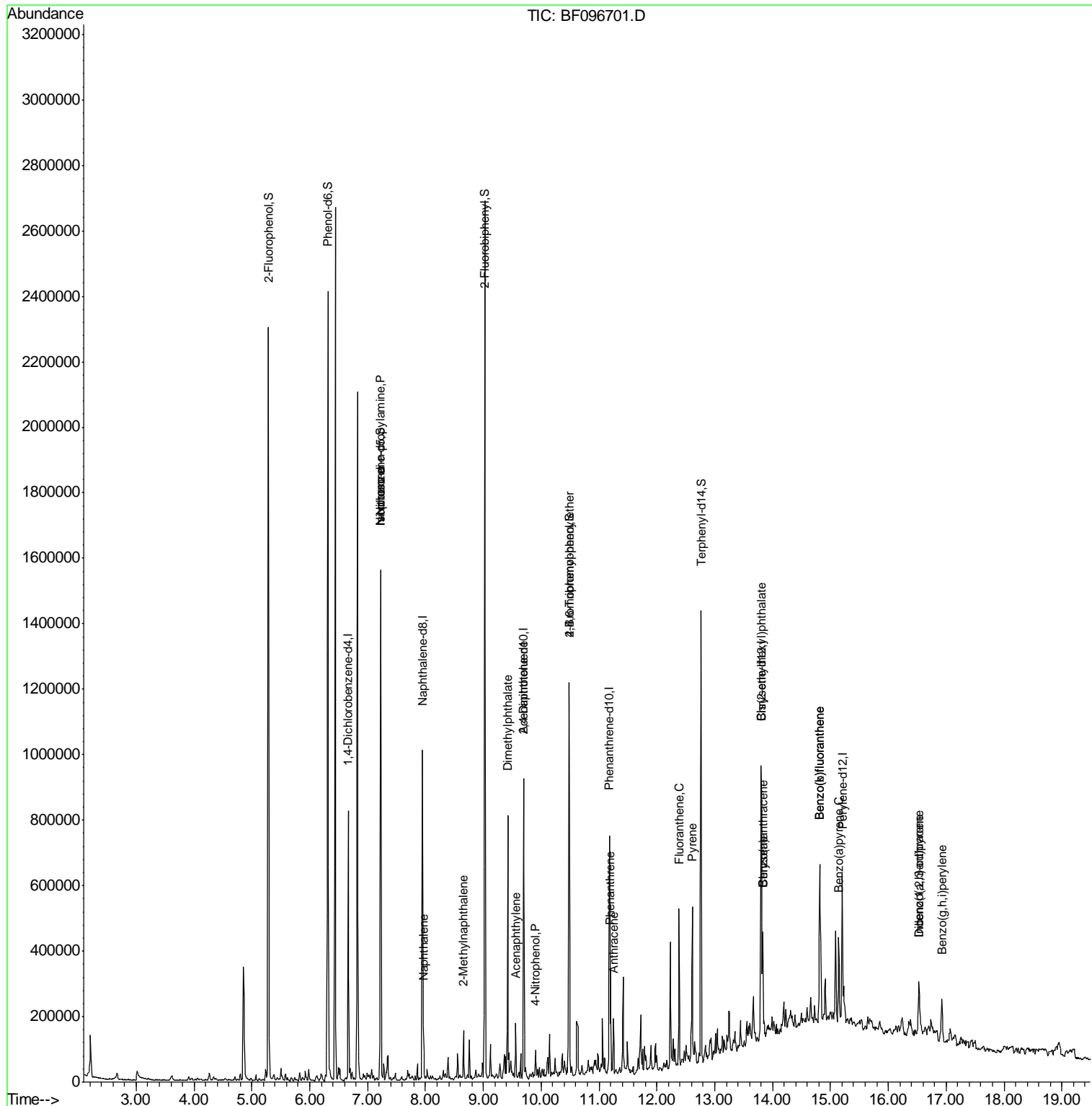
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	67640	12.21	ng	# 88
25) Isophorone	7.23	82	491212	34.81	ng	# 67
31) Naphthalene	7.97	128	59820	2.90	ng	97
37) 2-Methylnaphthalene	8.66	142	39591	3.01	ng	98
48) Acenaphthylene	9.56	152	59142	3.44	ng	99
49) Dimethylphthalate	9.42	163	288673	22.74	ng	99
55) 4-Nitrophenol	9.90	139	8110	2.79	ng	# 31
56) 2,4-Dinitrotoluene	9.70	165	23542	6.62	ng	# 33
66) 4-Bromophenyl-phenylether	10.49	248	8745	3.64	ng	# 1
70) Phenanthrene	11.20	178	104114	7.81	ng	98
71) Anthracene	11.25	178	51704	3.80	ng	97
74) Fluoranthene	12.39	202	179966	13.76	ng	96
77) Pyrene	12.61	202	185649	12.49	ng	98
80) Benzo(a)anthracene	13.83	228	138731	12.94	ng	97
82) Chrysene	13.83	228	138731	12.35	ng	97
83) Bis(2-ethylhexyl)phthalate	13.80	149	37128	4.42	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.53	276	87242	9.84	ng	97
87) Benzo(b)fluoranthene	14.82	252	313793	27.33	ng	97
88) Benzo(k)fluoranthene	14.82	252	313793	30.55	ng	95
89) Benzo(a)pyrene	15.14	252	114322	11.15	ng	96
90) Dibenzo(a,h)anthracene	16.53	278	24448	3.03	ng	93
91) Benzo(g,h,i)perylene	16.93	276	75591	9.05	ng	96

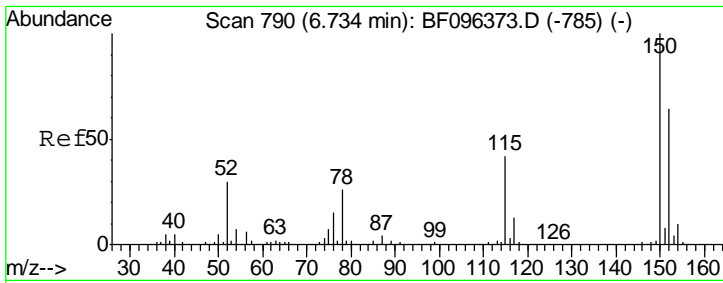
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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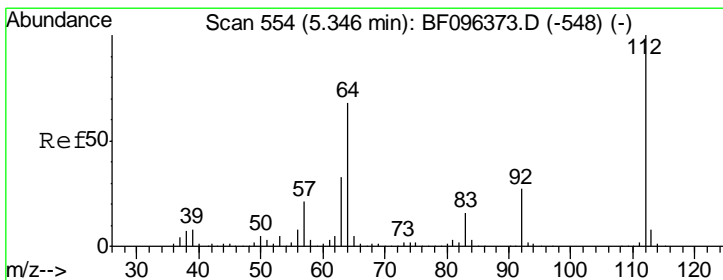
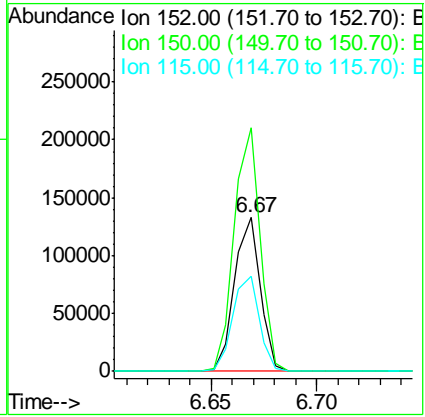
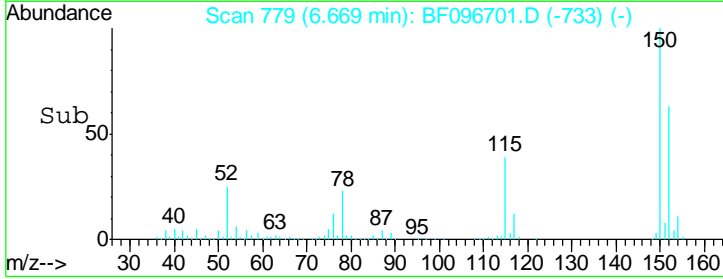
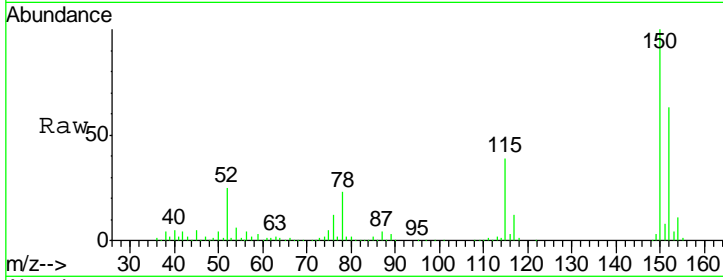




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

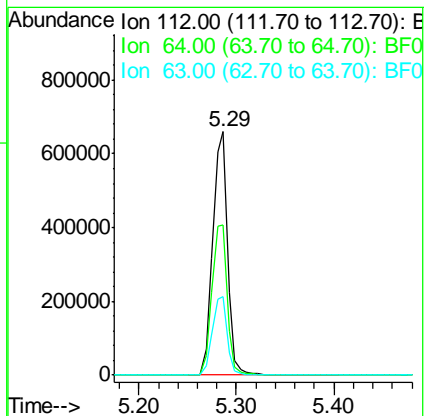
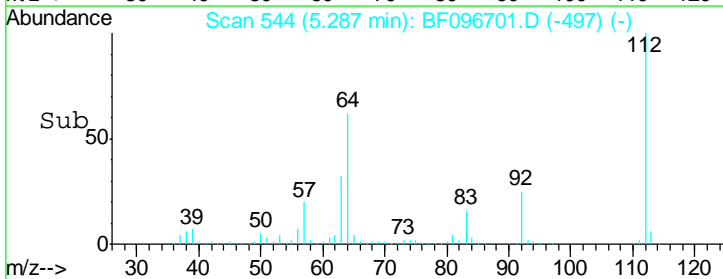
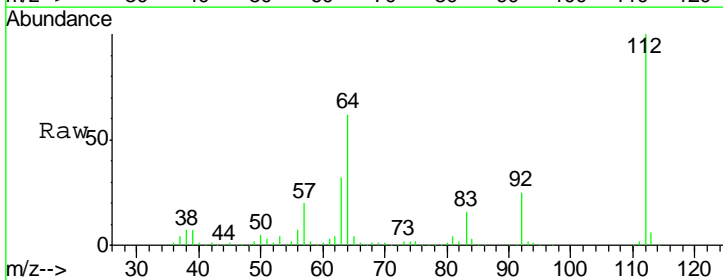
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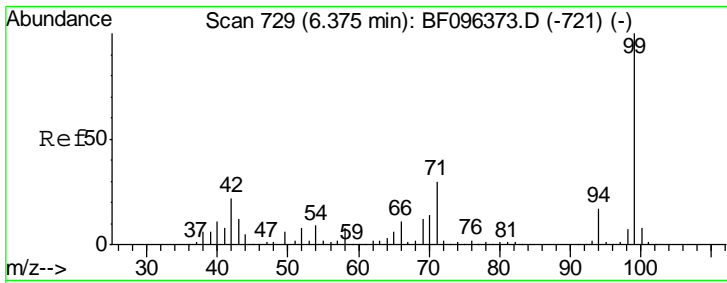
Tgt Ion	Resp	Lower	Upper
152	111596		
150	158.6	126.2	189.2
115	62.1	52.2	78.2



#5
 2-Fluorophenol
 Concen: 91.71 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
112	693432		
64	61.8	46.0	69.0
63	32.1	23.4	35.0

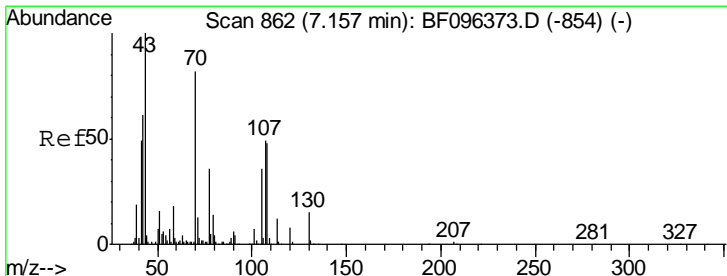
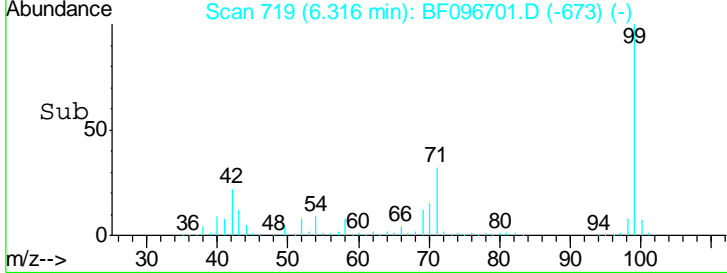
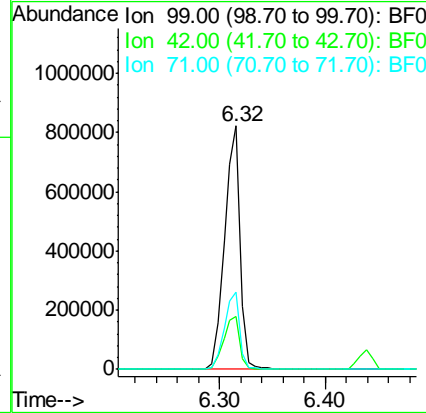
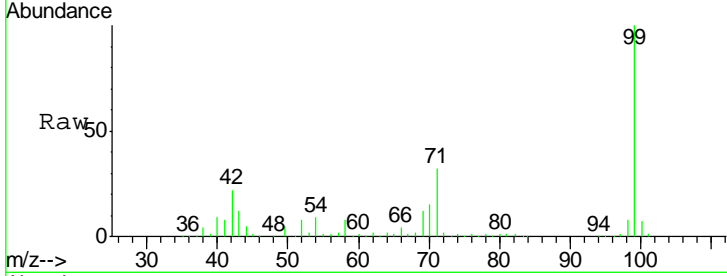




#7
 Phenol-d6
 Concen: 91.15 ng
 RT: 6.32 min Scan# 719
 Delta R.T. -0.03 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

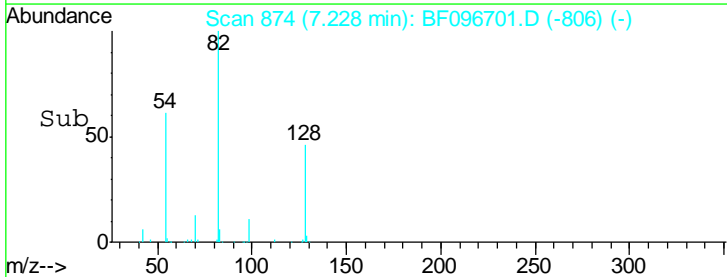
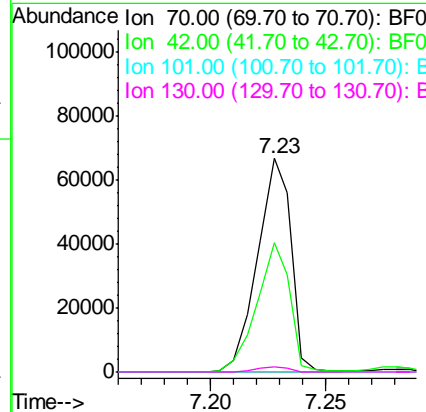
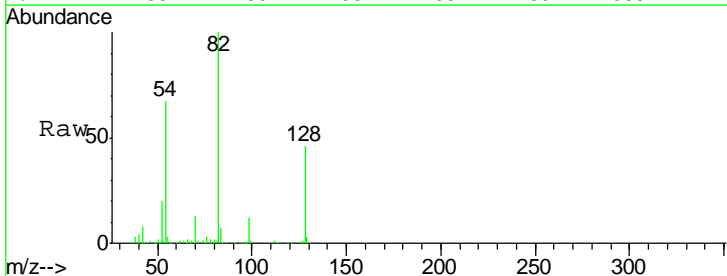
Instrument :
 BNA_F
 ClientSampled :

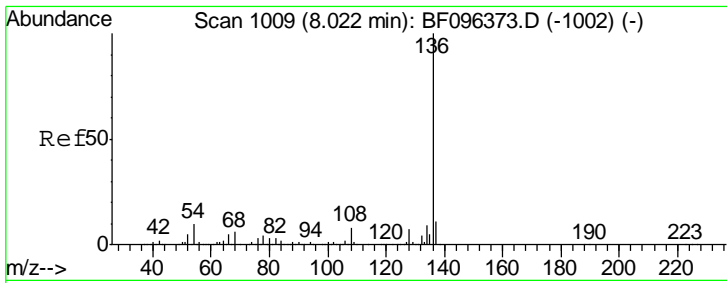
Tgt Ion	Resp	Lower	Upper
99	847286		
42	21.7	13.5	20.3#
71	31.8	24.5	36.7



#19
 n-Nitroso-di-n-propylamine
 Concen: 12.21 ng
 RT: 7.23 min Scan# 874
 Delta R.T. 0.10 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
70	67640		
42	60.3	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#

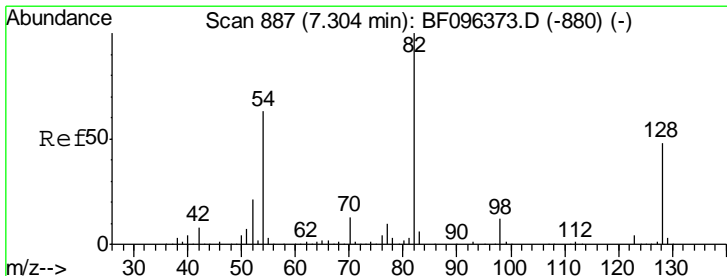
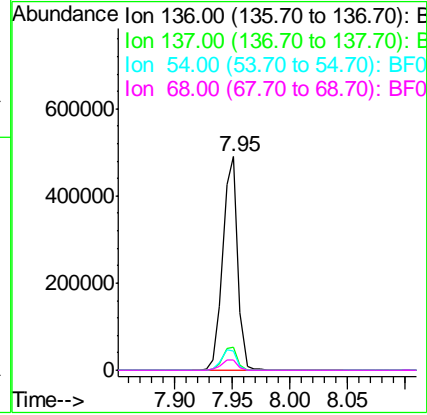
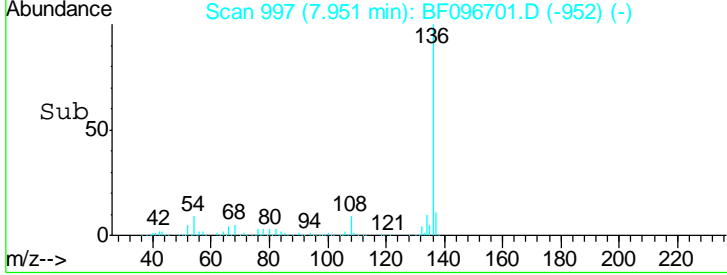
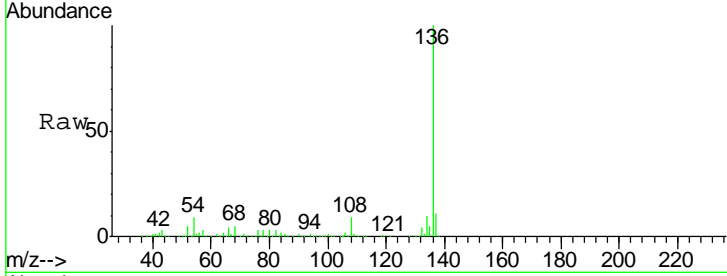




#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.95 min Scan# 997
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

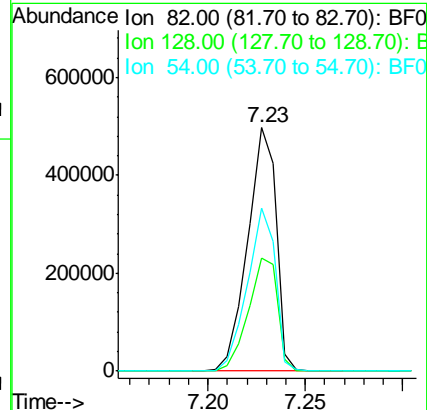
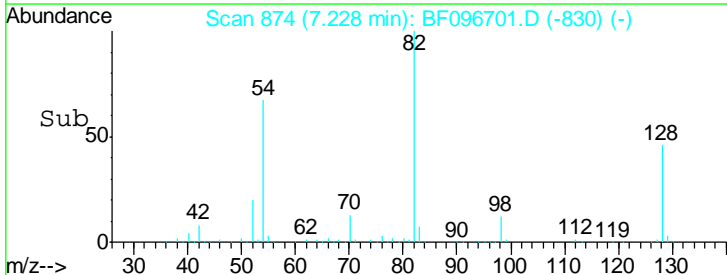
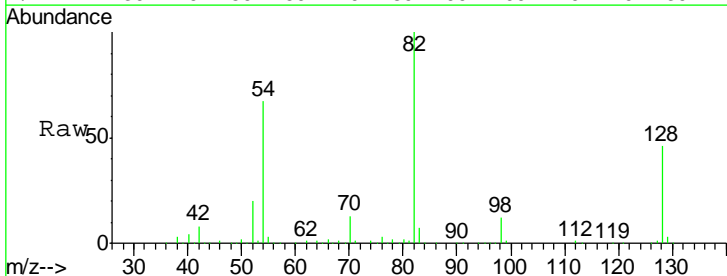
Instrument :
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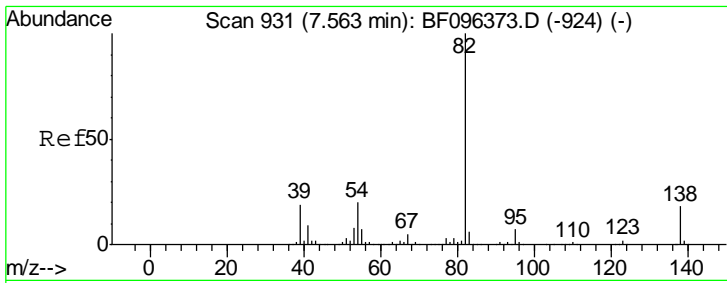
Tgt Ion	Resp	Lower	Upper
136	437393		
137	10.7	8.5	12.7
54	9.1	4.9	7.3#
68	5.0	4.1	6.1



#23
 Nitrobenzene-d5
 Concen: 69.41 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
82	505230		
128	46.2	34.0	51.0
54	67.0	42.2	63.2#

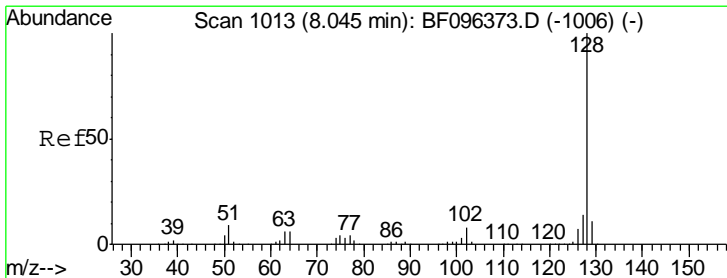
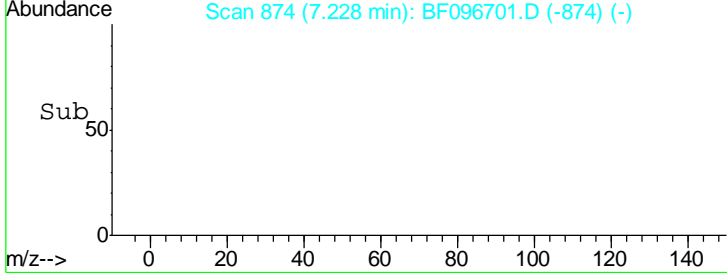
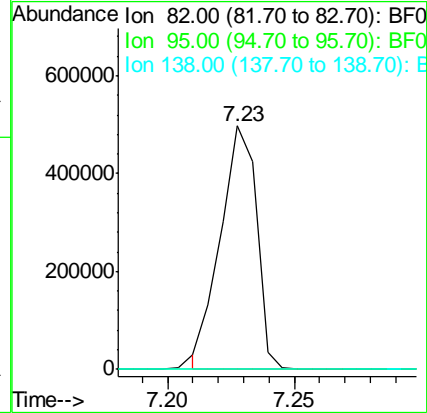
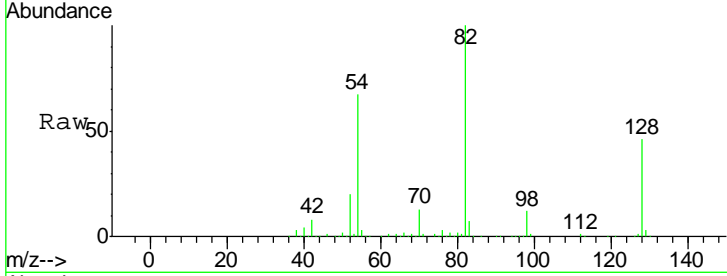




#25
 Isophorone
 Concen: 34.81 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.30 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

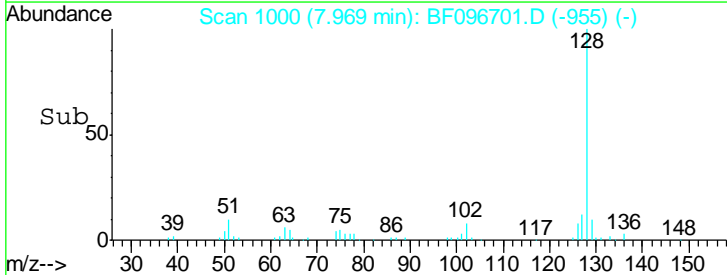
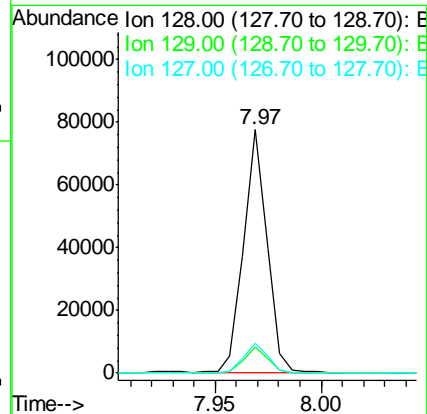
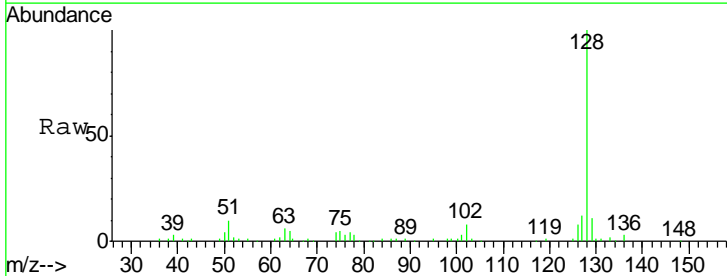
Instrument :
 BNA_F
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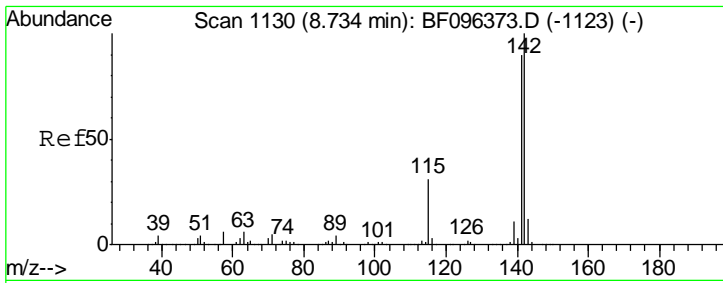
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#



#31
 Naphthalene
 Concen: 2.90 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	12.0	10.8	16.2

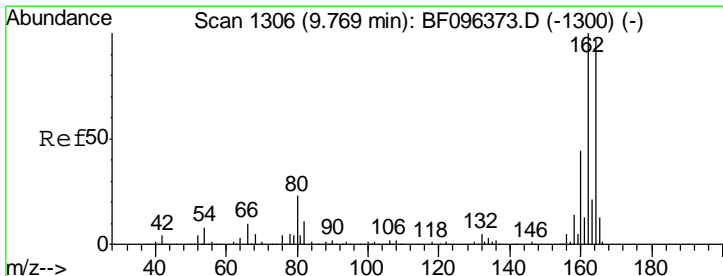
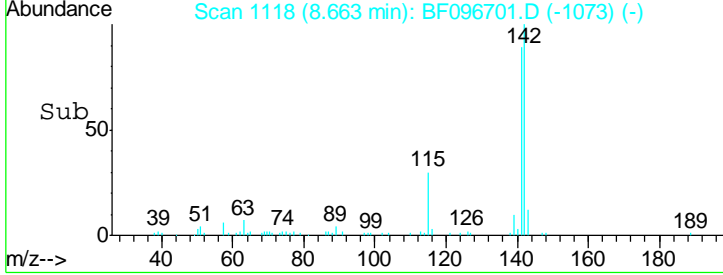
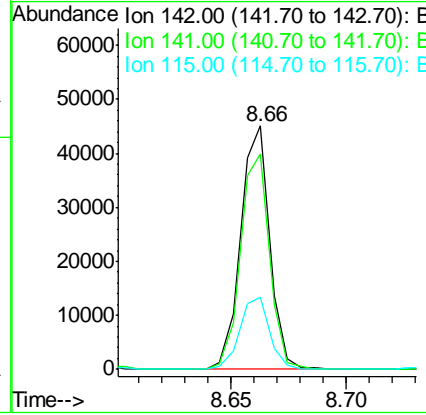
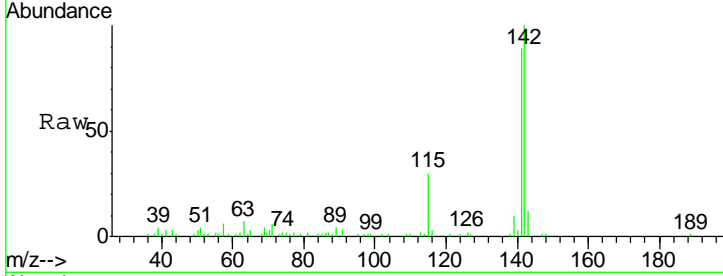




#37
 2-Methylnaphthalene
 Concen: 3.01 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

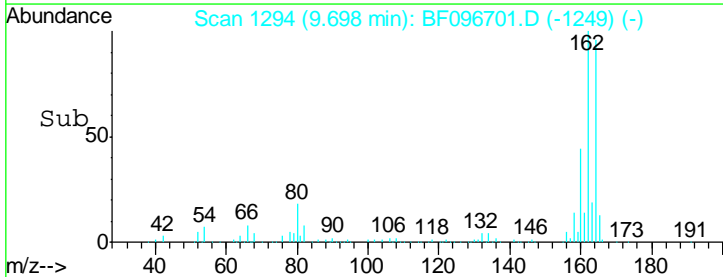
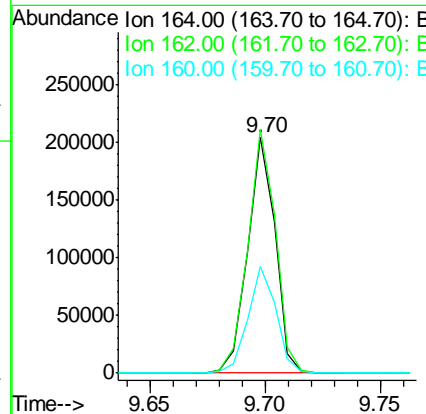
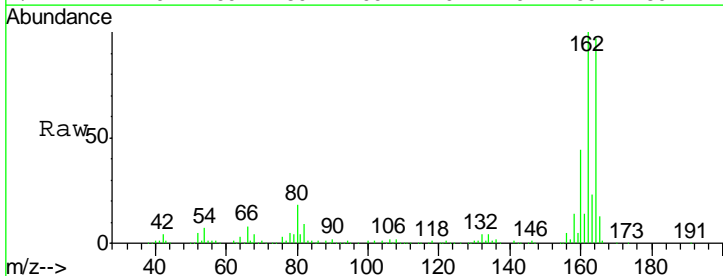
Instrument :
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 ClientSampled :

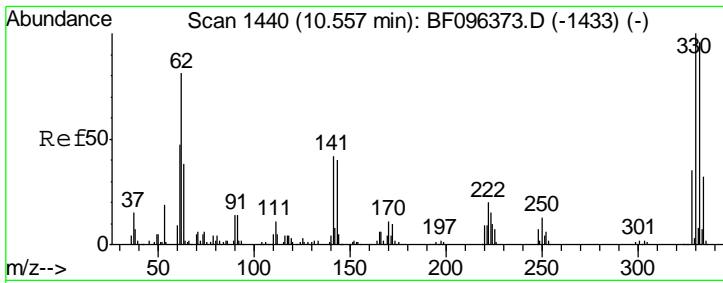
Tgt Ion	Resp	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	29.7	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.2	36.2	54.2

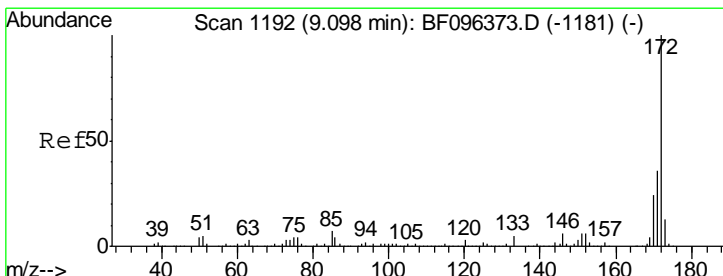
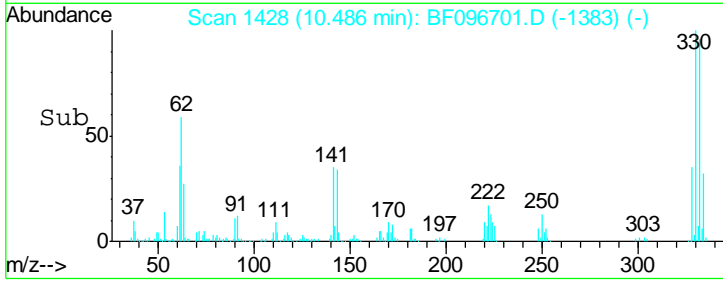
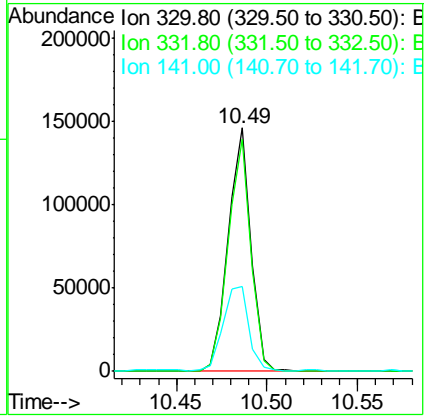
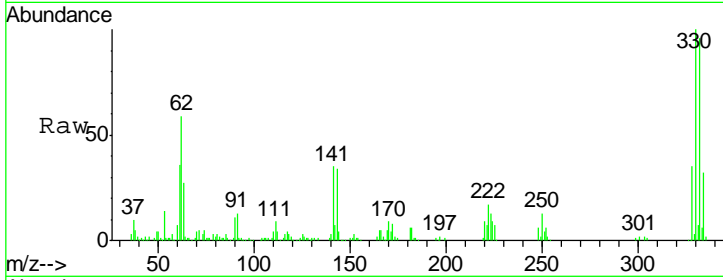




#41
 2,4,6-Tribromophenol
 Concen: 96.38 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

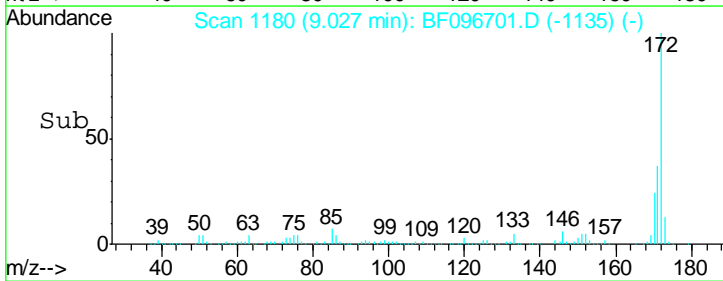
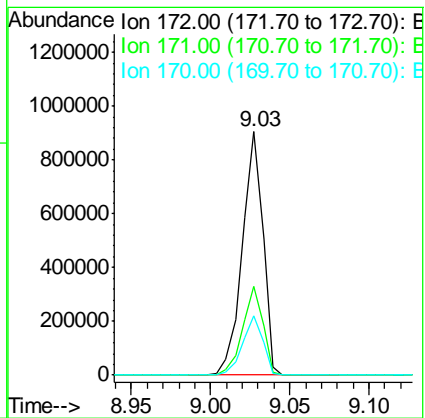
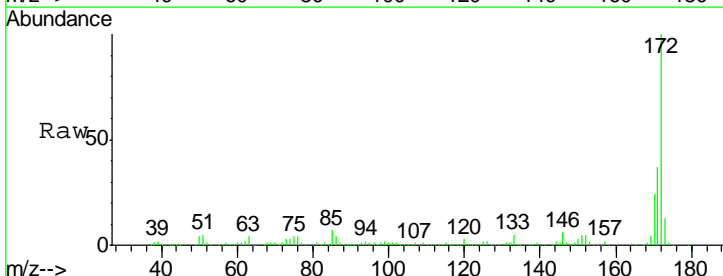
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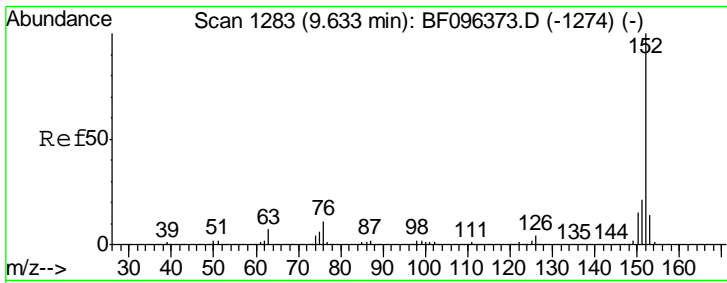
Tgt Ion	Resp	Lower	Upper
330	128034		
332	95.2	76.6	115.0
141	38.8	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 82.04 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
172	816034		
171	36.7	29.6	44.4
170	24.3	19.8	29.8



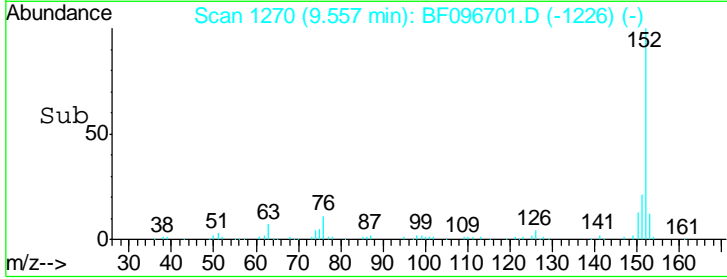
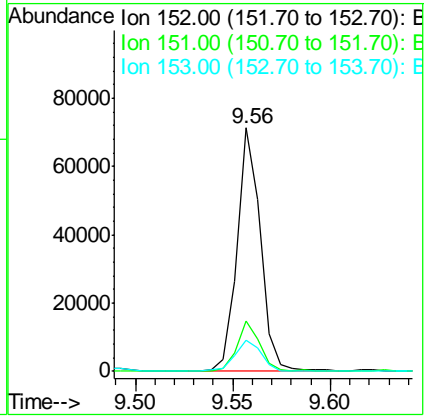
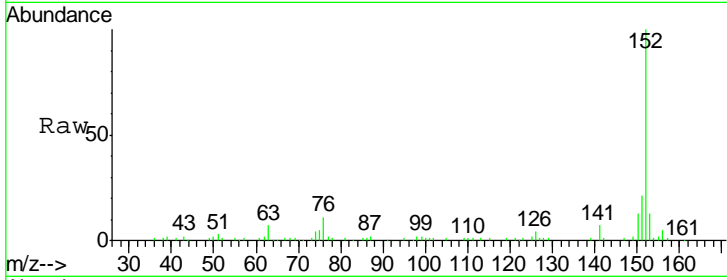


#48
 Acenaphthylene
 Concen: 3.44 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:152 Resp: 59142

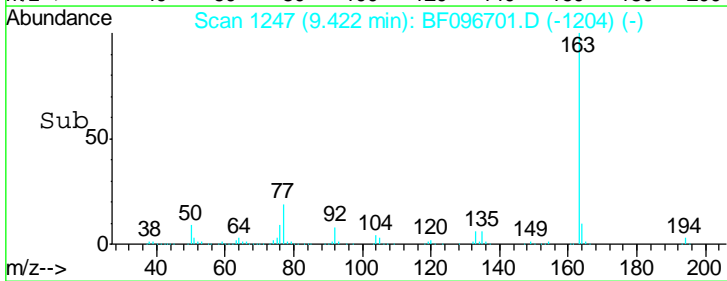
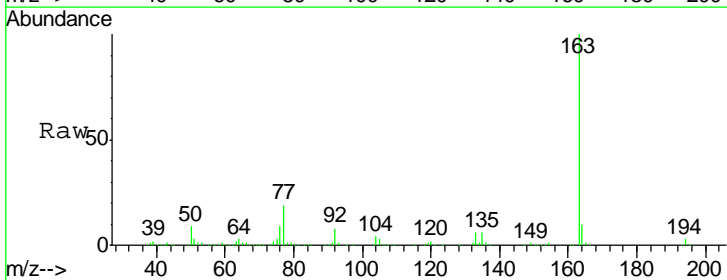
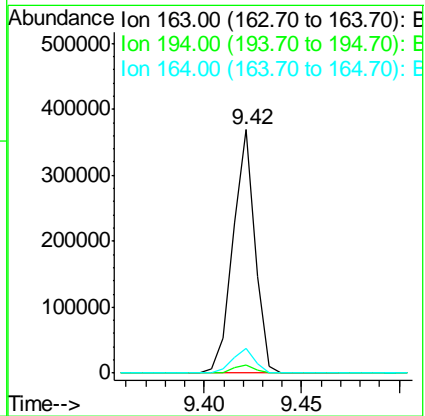
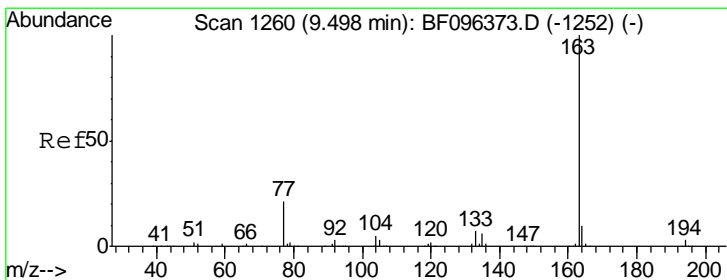
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	12.8	10.8	16.2

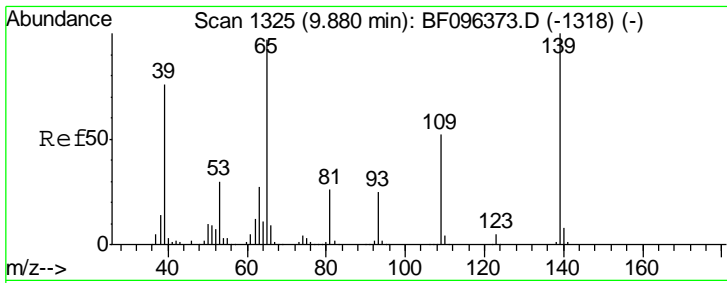


#49
 Dimethylphthalate
 Concen: 22.74 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion:163 Resp: 288673

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.0	8.4	12.6

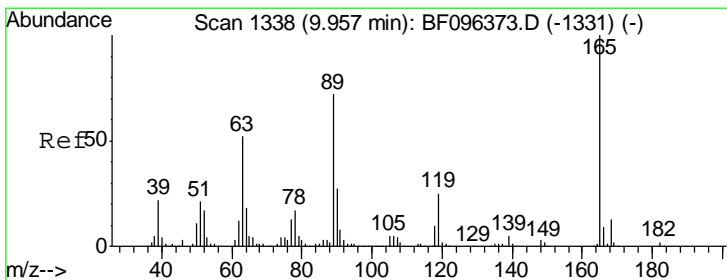
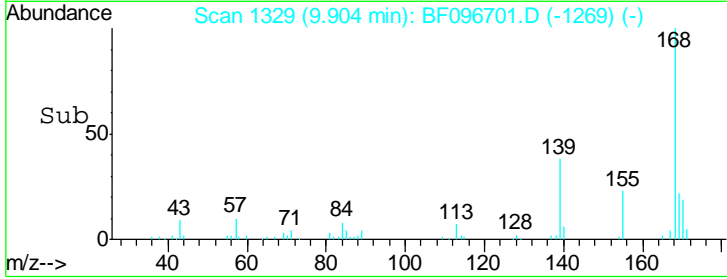
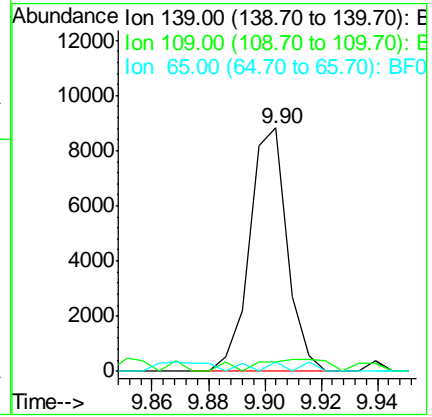
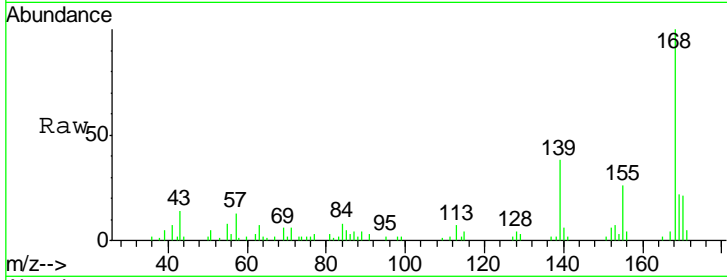




#55
 4-Nitrophenol
 Concen: 2.79 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.05 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

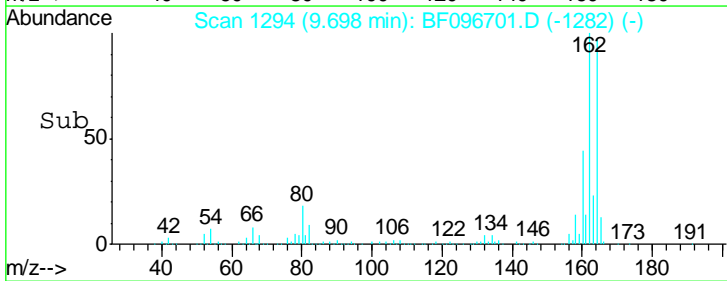
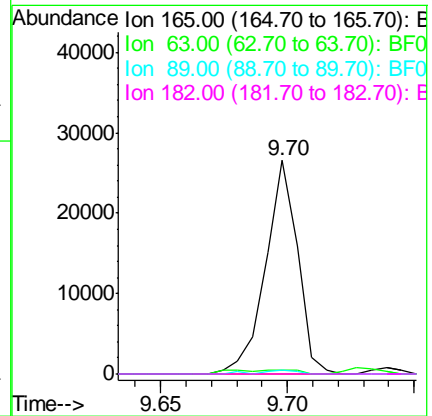
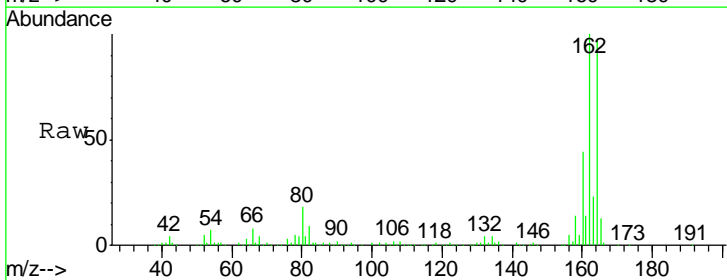
Instrument :
 BNA_F
 ClientSampled :

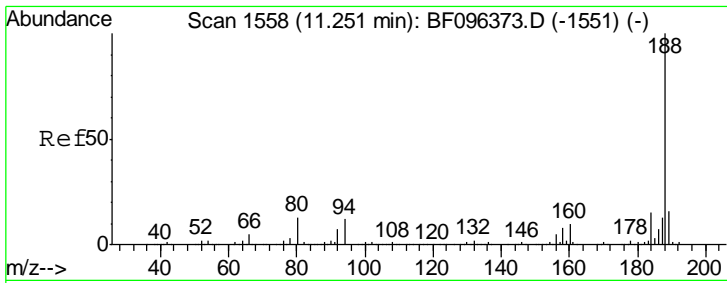
Tgt Ion	Resp	Lower	Upper
139	100		
109	3.7	34.1	74.1#
65	3.9	31.4	71.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.23 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

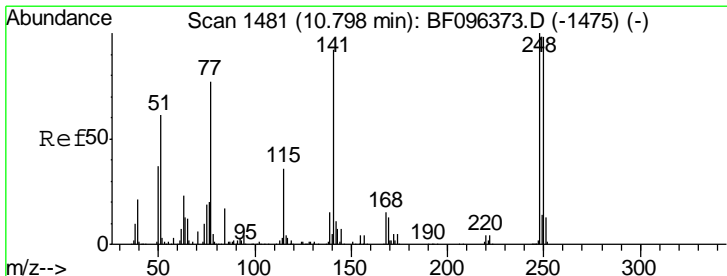
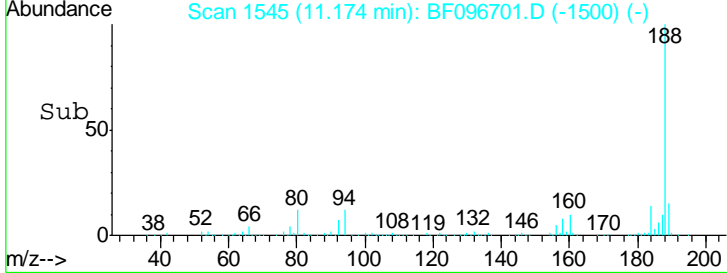
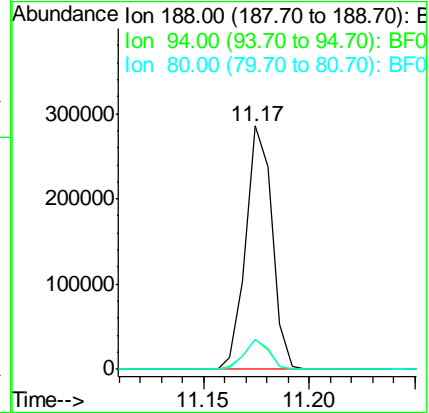
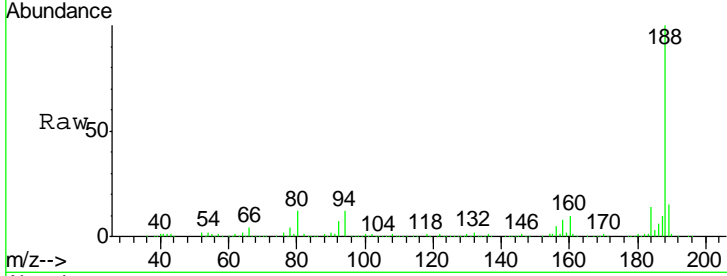




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

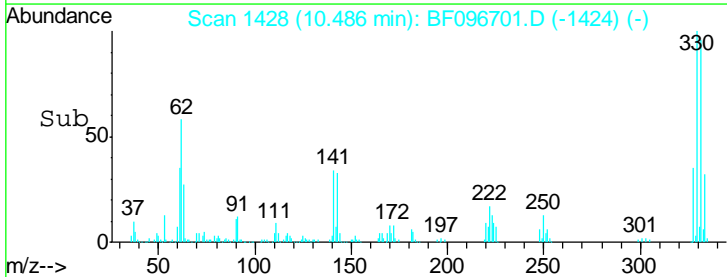
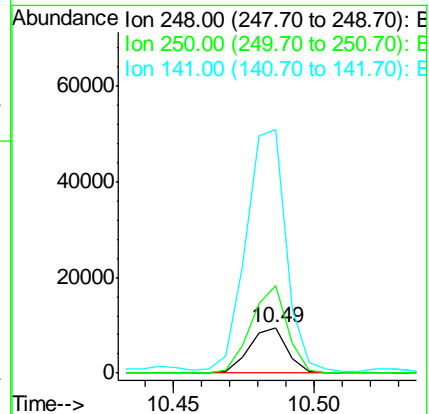
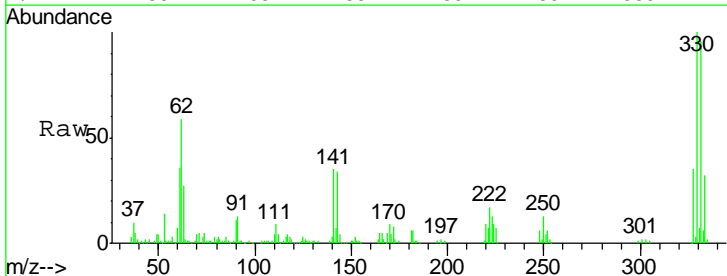
Instrument :
 BNA_F
 ClientSampled :

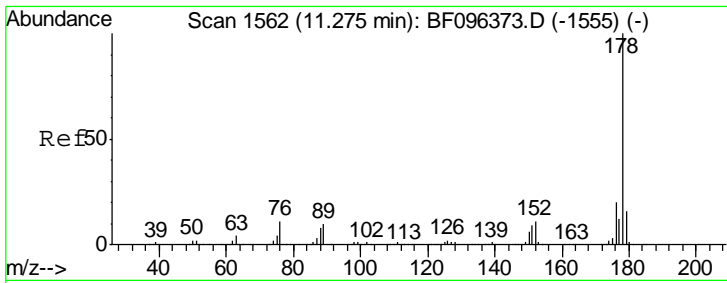
Tgt Ion	Resp	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	12.3	10.2	15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.64 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.28 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
248	100		
250	194.2	76.8	115.2#
141	537.4	68.6	103.0#

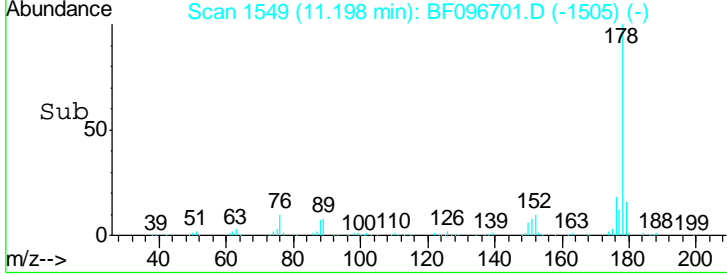
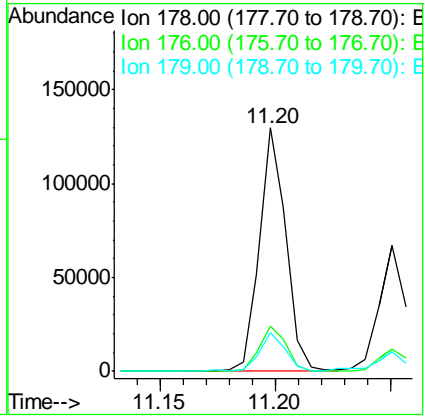
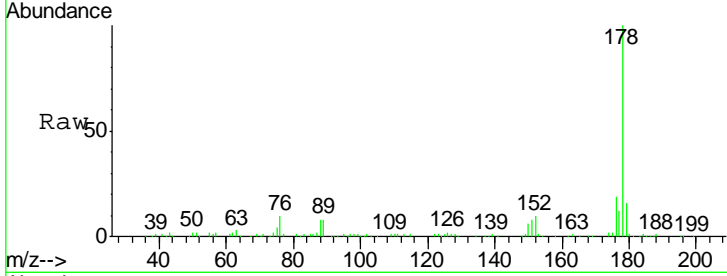




#70
 Phenanthrene
 Concen: 7.81 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

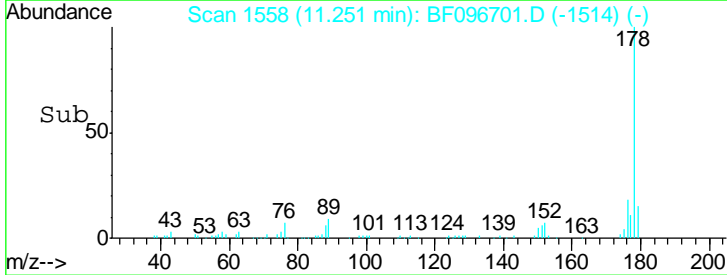
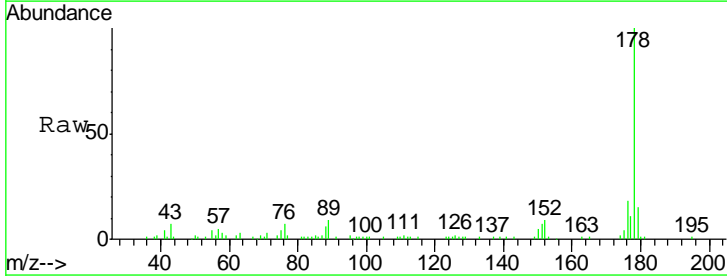
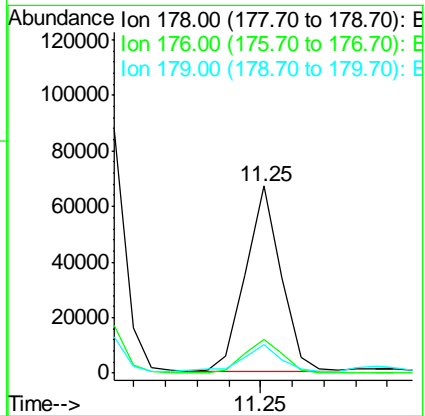
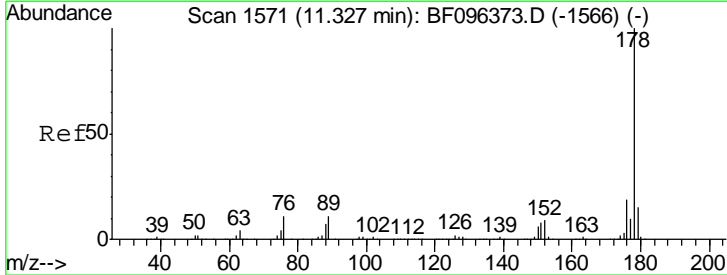
Instrument :
 BNA_F
 ClientSampled :

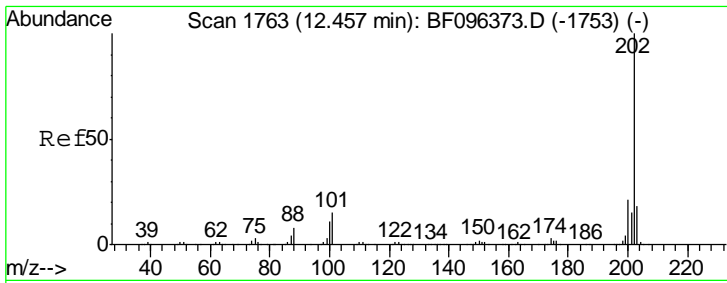
Tgt Ion	Resp	Lower	Upper
178	104114		
176	18.7	16.2	24.4
179	15.9	12.6	19.0



#71
 Anthracene
 Concen: 3.80 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
178	51704		
176	17.9	15.8	23.8
179	15.2	12.7	19.1

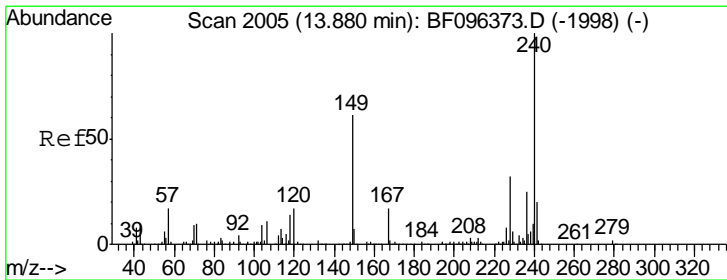
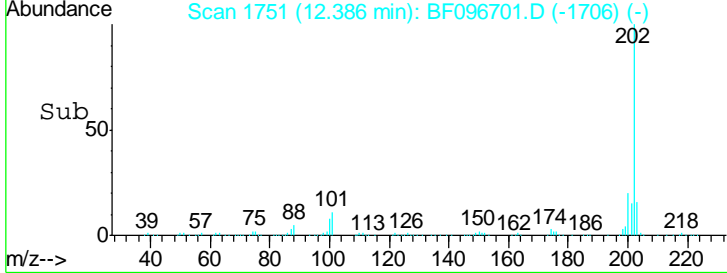
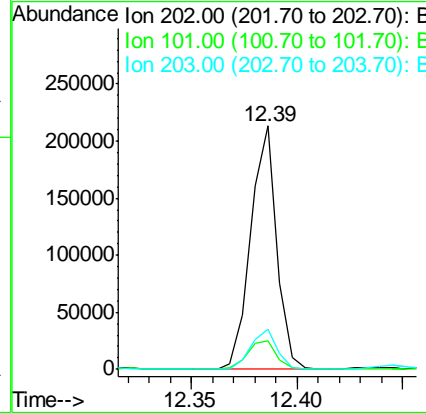
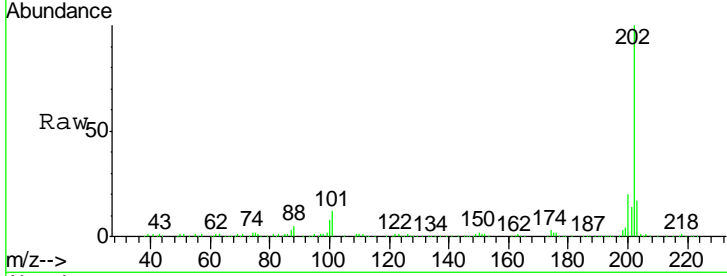




#74
 Fluoranthene
 Concen: 13.76 ng
 RT: 12.39 min Scan# 1751
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

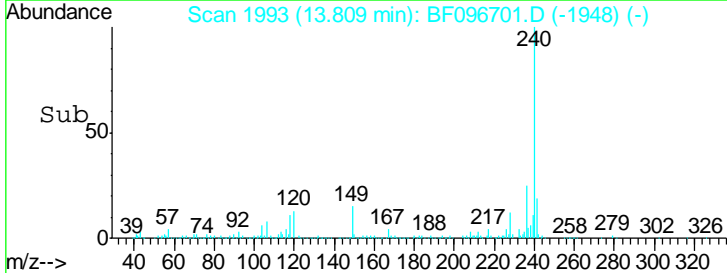
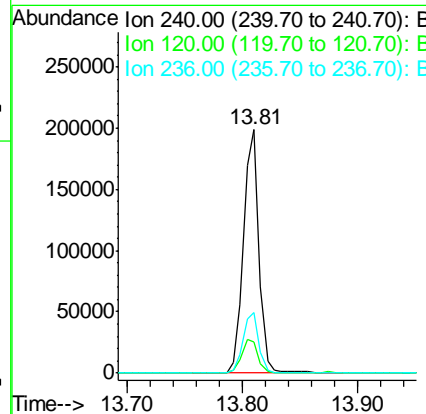
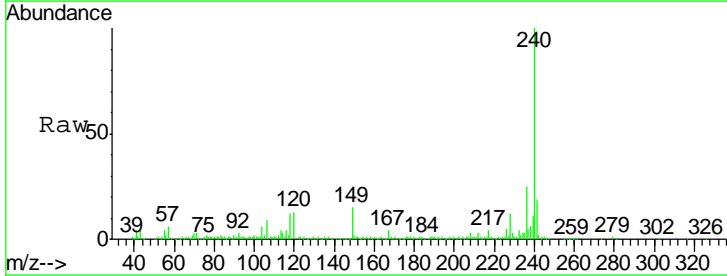
Instrument :
 BNA_F
 ClientSampled :

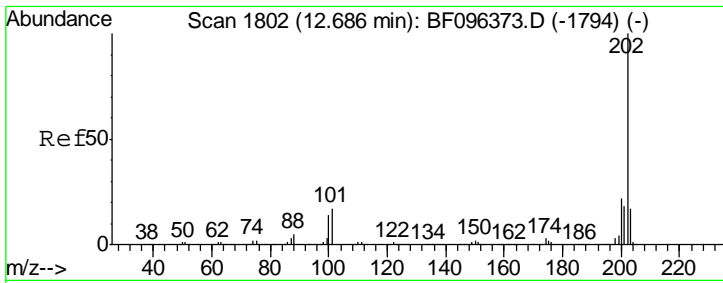
Tgt Ion	Resp	Lower	Upper
202	179966		
101	11.7	0.0	33.2
203	16.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
240	185201		
120	13.1	5.8	8.8#
236	25.1	20.5	30.7

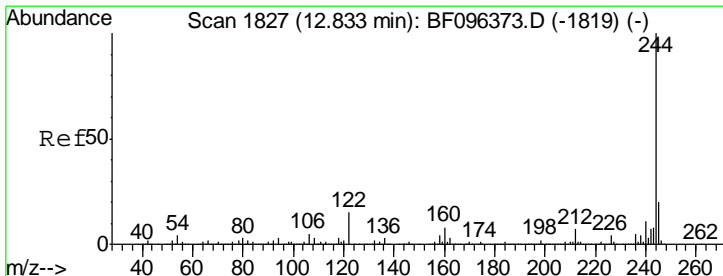
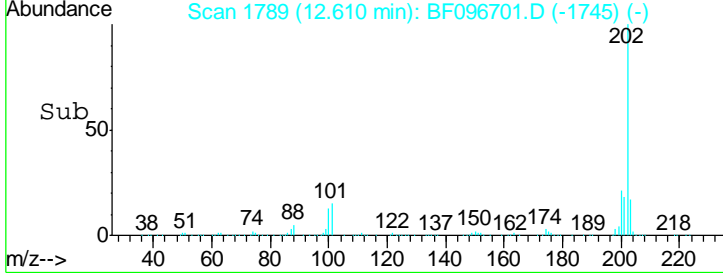
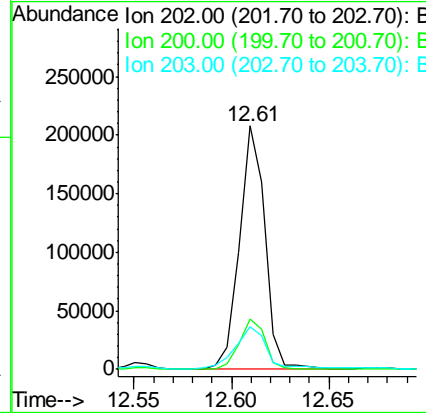
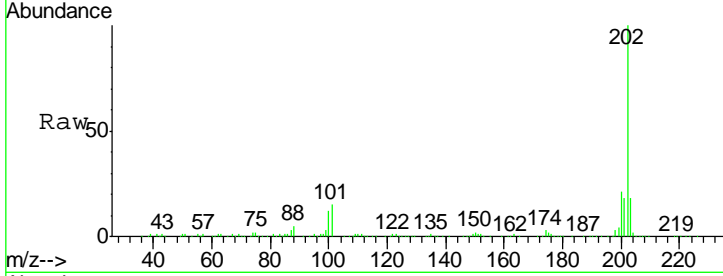




#77
 Pyrene
 Concen: 12.49 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

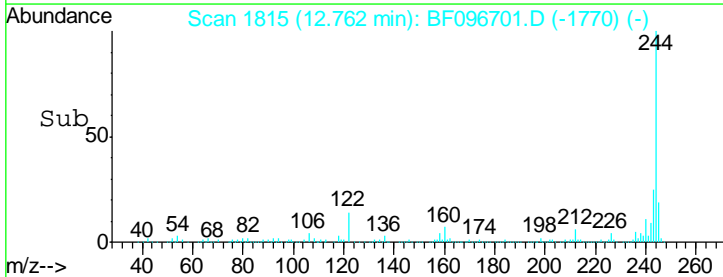
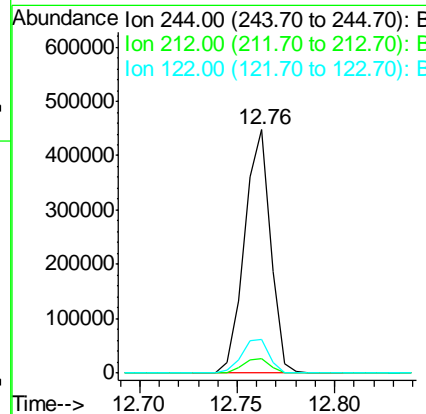
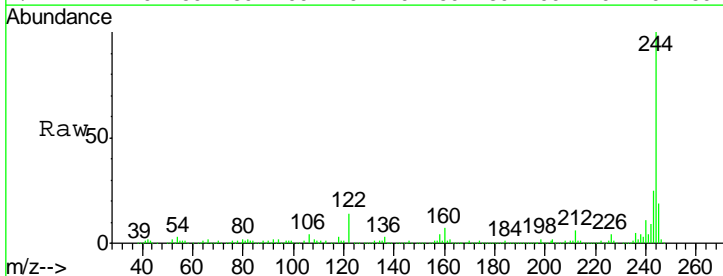
Instrument :
 BNA_F
 ClientSampled :

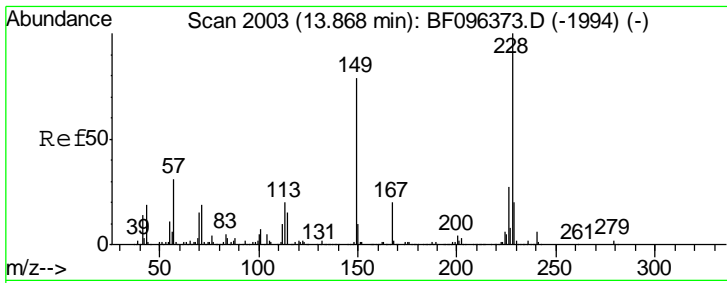
Tgt Ion	Resp	Lower	Upper
202	185649		
200	20.6	17.6	26.4
203	17.6	14.4	21.6



#78
 Terphenyl-d14
 Concen: 47.72 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
244	413569		
212	6.2	6.0	9.0
122	13.9	10.3	15.5

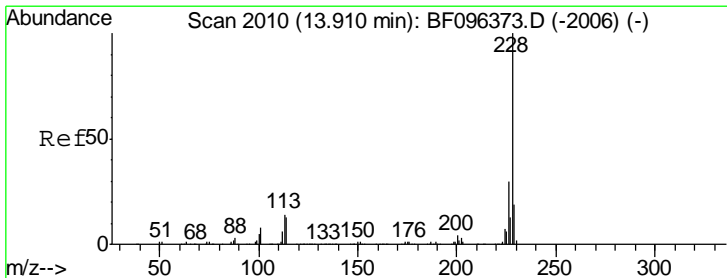
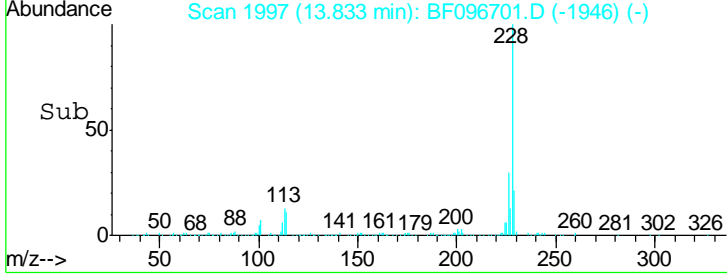
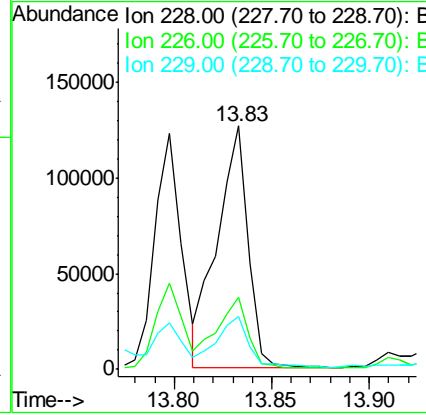
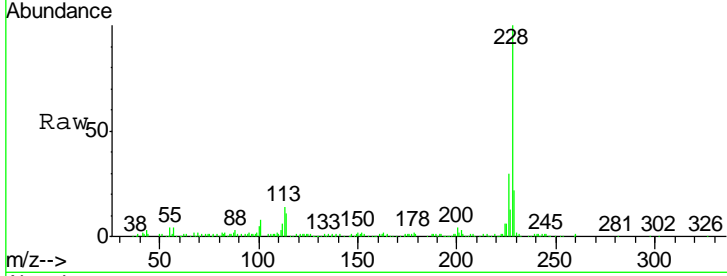




#80
 Benzo(a)anthracene
 Concen: 12.94 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

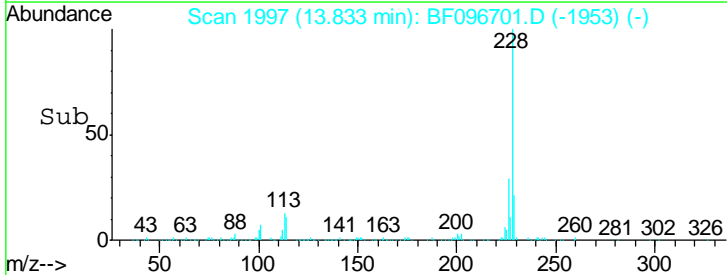
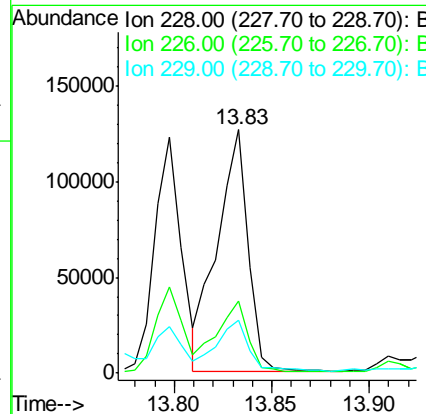
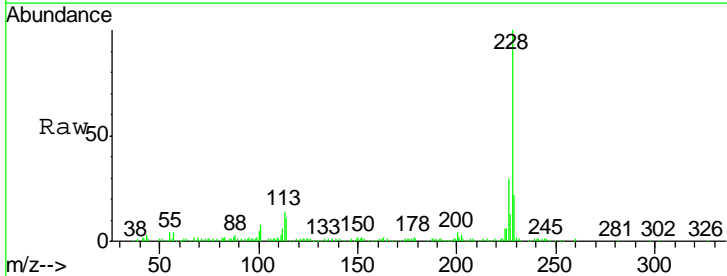
Instrument :
 BNA_F
 ClientSampled :

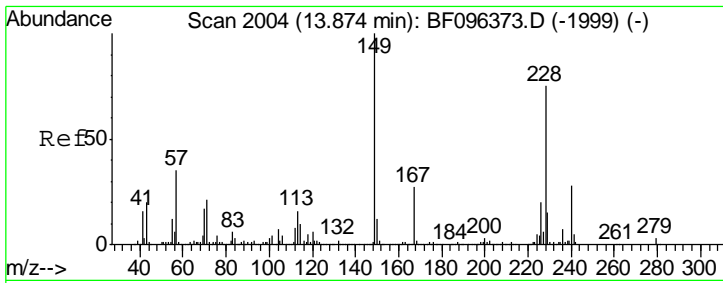
Tgt Ion	Resp	Lower	Upper
228	138731		
226	29.7	22.6	33.8
229	21.7	16.3	24.5



#82
 Chrysene
 Concen: 12.35 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
228	138731		
226	29.7	24.9	37.3
229	21.7	15.8	23.6

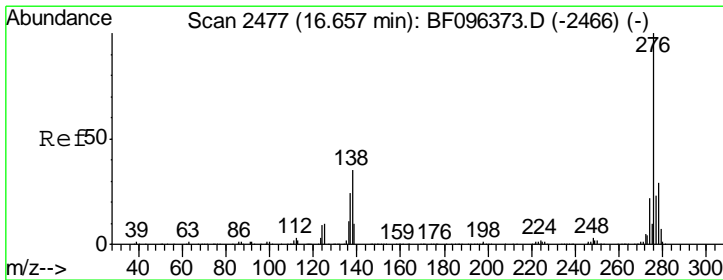
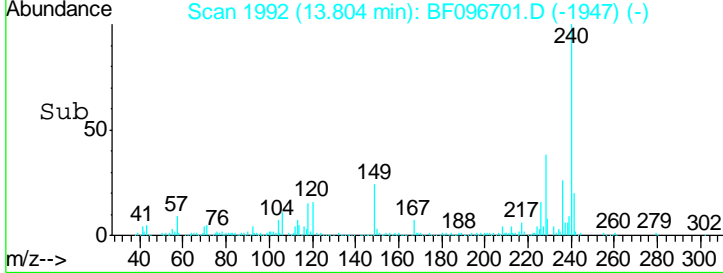
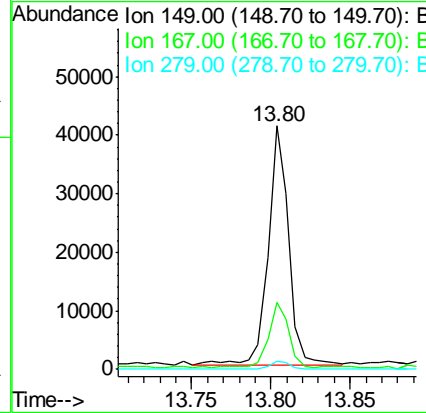
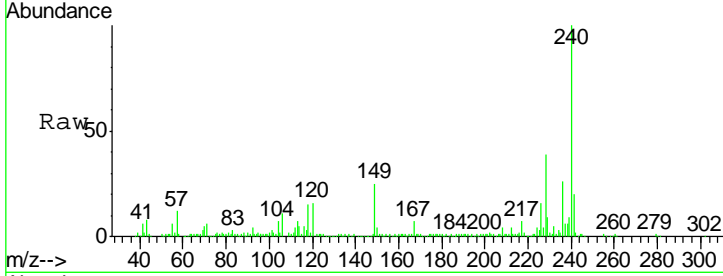




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.42 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

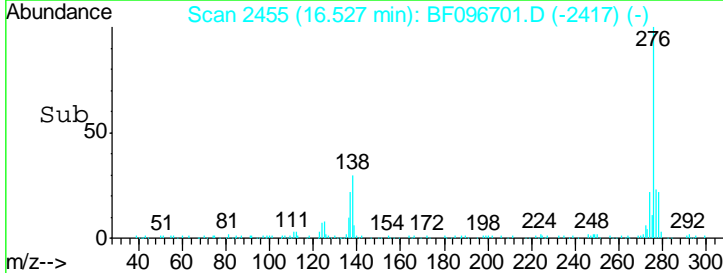
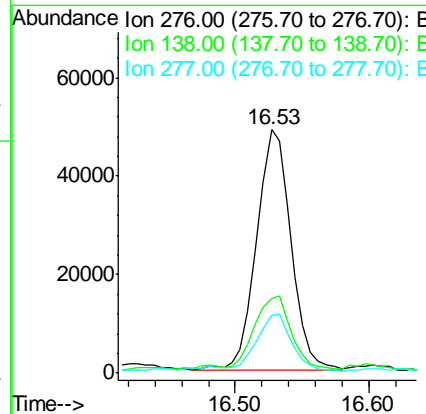
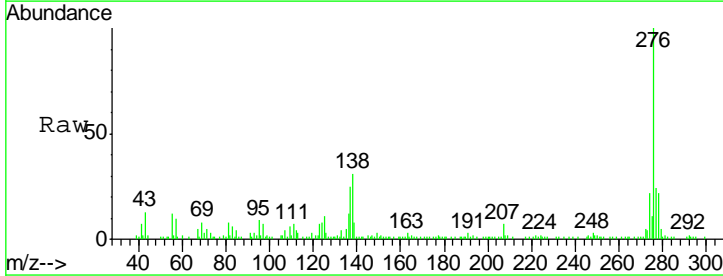
Instrument :
 BNA_F
 ClientSampled :

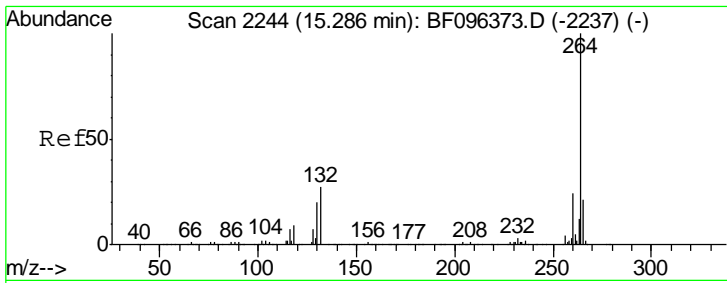
Tgt Ion	Resp	Lower	Upper
149	37128		
167	27.5	21.0	31.4
279	3.1	1.9	2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.84 ng
 RT: 16.53 min Scan# 2455
 Delta R.T. -0.08 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
276	87242		
138	32.7	27.8	41.6
277	24.0	20.2	30.4

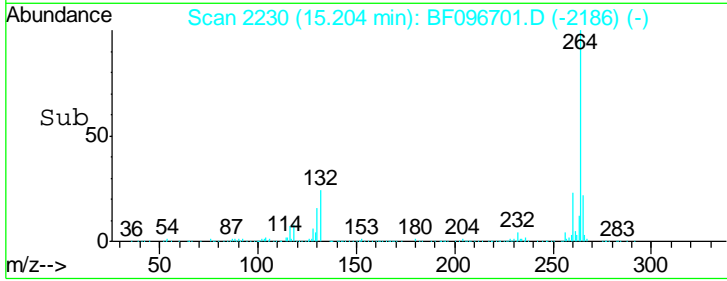
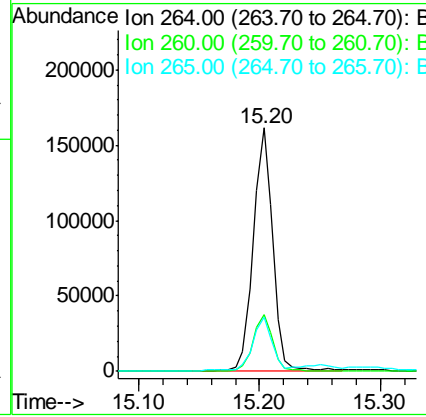
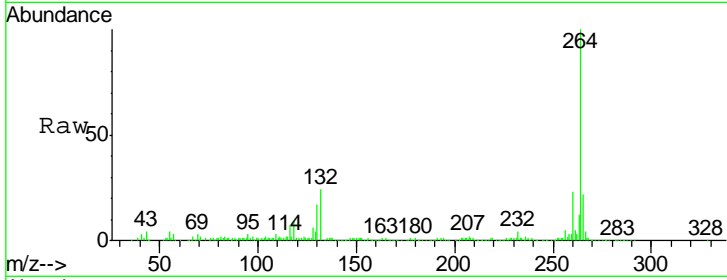




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

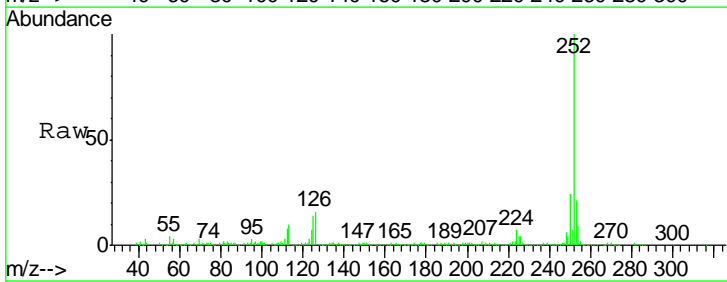
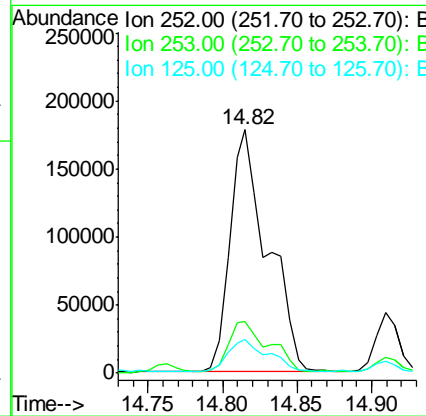
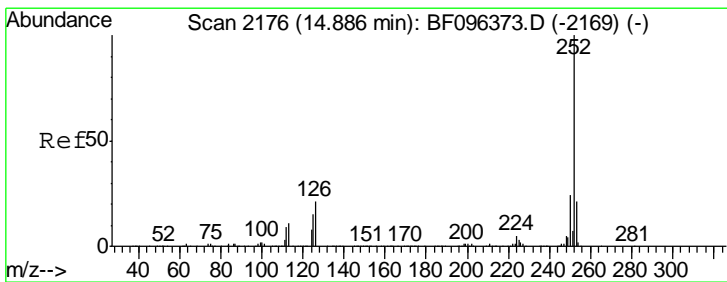
Instrument :
 BNA_F
 ClientSampled :

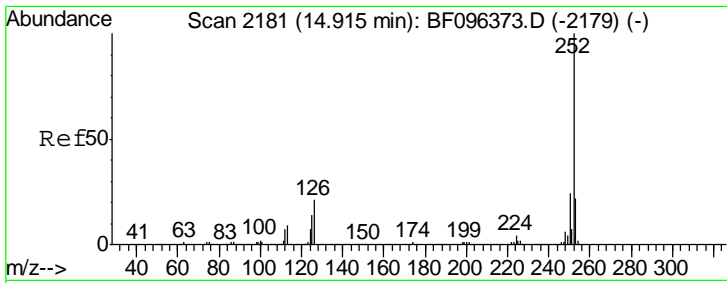
Tgt Ion	Resp	Lower	Upper
264	183244		
260	23.1	19.5	29.3
265	22.0	17.2	25.8



#87
 Benzo(b)fluoranthene
 Concen: 27.33 ng
 RT: 14.82 min Scan# 2164
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
252	313793		
253	21.4	18.1	27.1
125	13.8	9.8	14.8

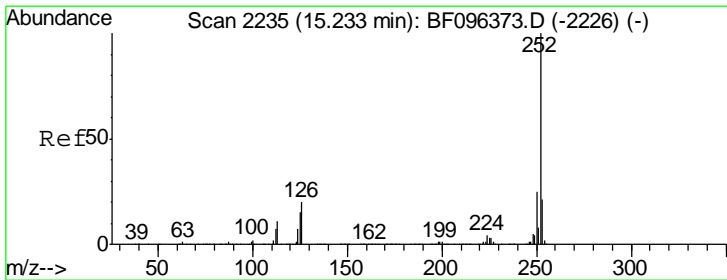
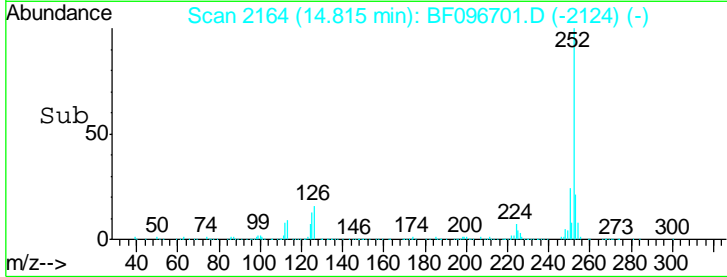
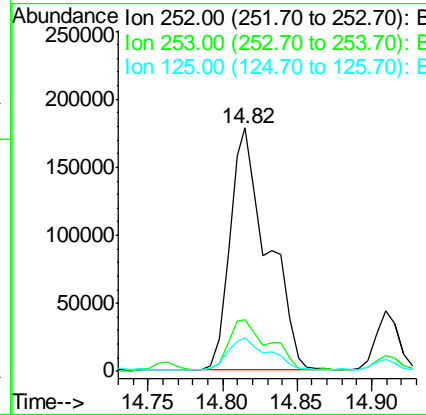
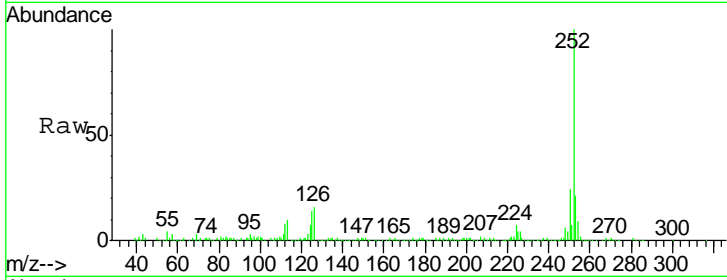




#88
 Benzo(k)fluoranthene
 Concen: 30.55 ng
 RT: 14.82 min Scan# 2164
 Delta R.T. -0.06 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

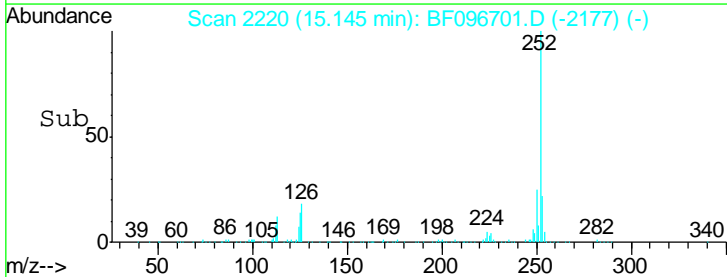
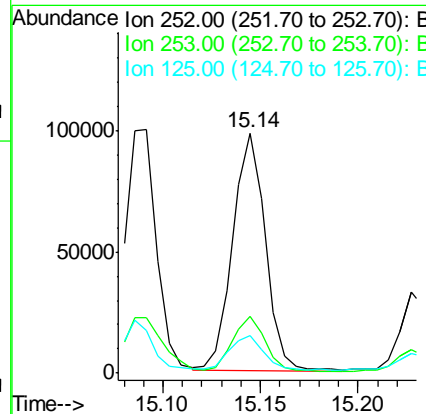
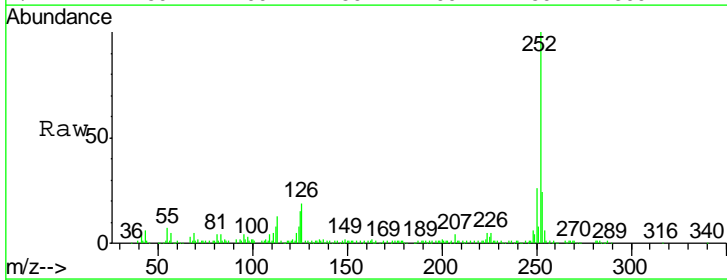
Instrument :
 BNA_F
 ClientSampled :

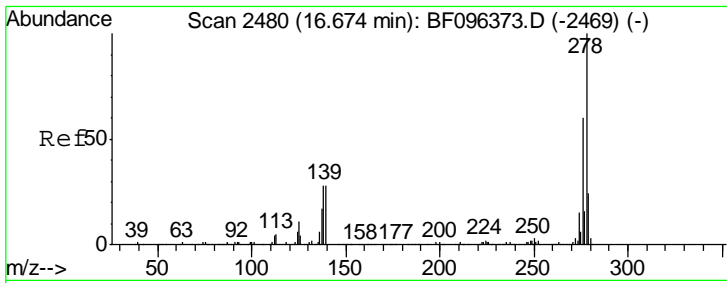
Tgt Ion	Resp	Lower	Upper
252	313793		
253	21.4	18.4	27.6
125	13.8	13.1	19.7



#89
 Benzo(a)pyrene
 Concen: 11.15 ng
 RT: 15.14 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
252	114322		
253	23.5	17.5	26.3
125	15.4	11.0	16.4

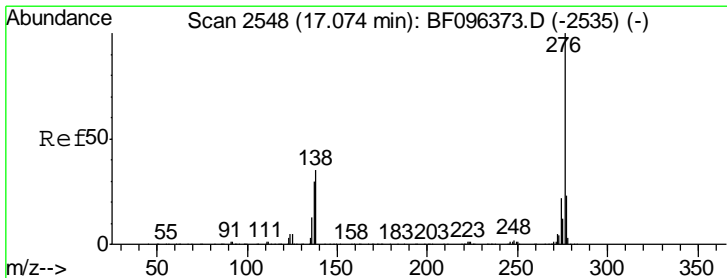
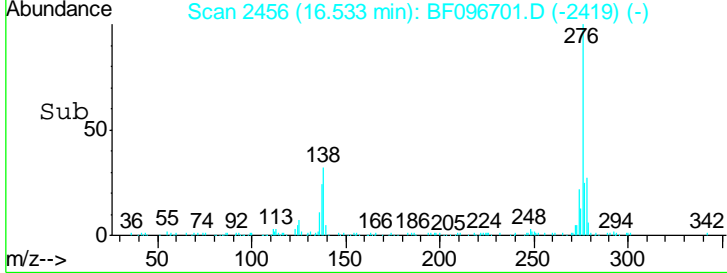
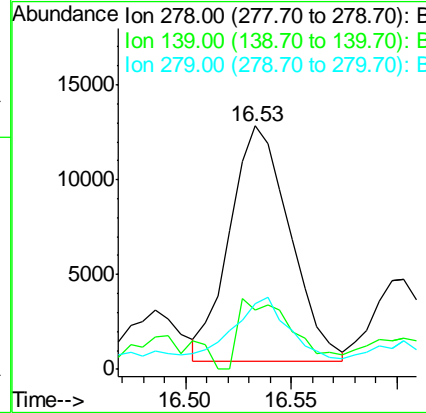
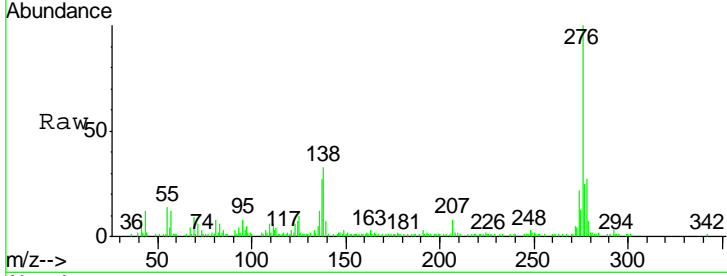




#90
 Dibenzo(a,h)anthracene
 Concen: 3.03 ng
 RT: 16.53 min Scan# 2456
 Delta R.T. -0.08 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
278	24448		
139	24.5	16.6	24.8
279	27.0	19.3	28.9



#91
 Benzo(g,h,i)perylene
 Concen: 9.05 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.08 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Resp	Lower	Upper
276	75591		
277	26.9	18.6	28.0
138	31.3	25.4	38.0

