

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095772.D
 Acq On : 8 Jun 2017 5:55
 Operator : SJ/MA
 Sample : I3469-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :

Quant Time: Jun 08 07:37:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	74317	20.00	ng	-0.01
21) Naphthalene-d8	9.42	136	282187	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	109553	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	167132	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	141282	20.00	ng	0.00
86) Perylene-d12	20.02	264	97194	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	490966	105.27	ng	-0.01
7) Phenol-d6	6.95	99	593086	106.22	ng	-0.01
23) Nitrobenzene-d5	8.30	82	326870	71.94	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	88025	90.81	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	580721	73.76	ng	-0.02
78) Terphenyl-d14	17.00	244	362825	63.73	ng	-0.01

Target Compounds

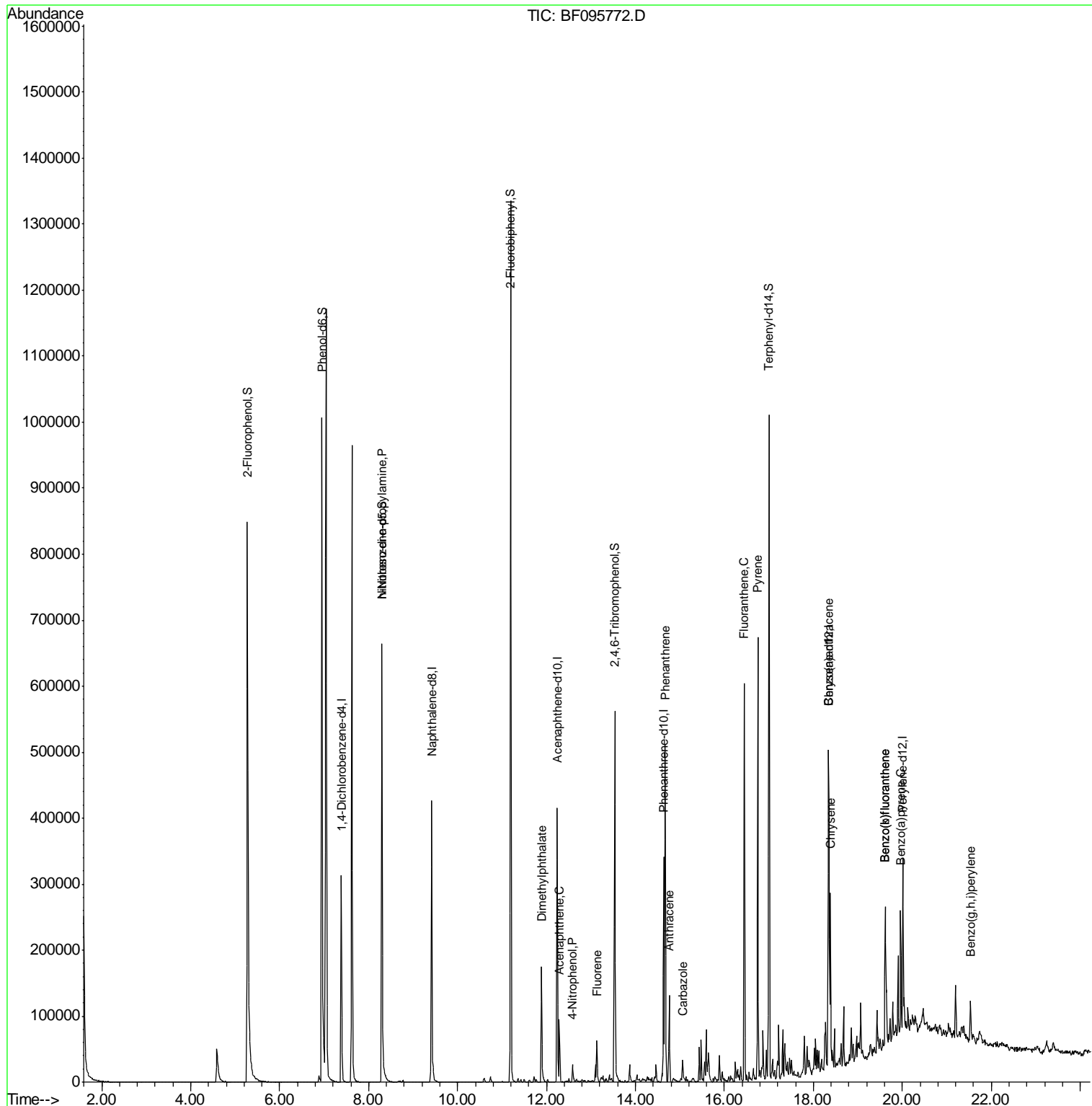
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	41240	11.66	ng	# 76
49) Dimethylphthalate	11.89	163	101223	12.17	ng	99
51) Acenaphthene	12.29	154	26354	3.78	ng	90
55) 4-Nitrophenol	12.59	139	7084	10.03	ng	# 25
57) Fluorene	13.13	166	25426	2.98	ng	94
70) Phenanthrene	14.67	178	270610	28.06	ng	98
71) Anthracene	14.76	178	74968	7.45	ng	98
72) Carbazole	15.06	167	23373	2.38	ng	96
74) Fluoranthene	16.44	202	312403	32.73	ng	98
77) Pyrene	16.75	202	270821	25.69	ng	96
80) Benzo(a)anthracene	18.34	228	124704	15.18	ng	100
82) Chrysene	18.38	228	105728	12.88	ng	98
87) Benzo(b)fluoranthene	19.62	252	109086	17.92	ng	# 97
88) Benzo(k)fluoranthene	19.62	252	109086	18.75	ng	99
89) Benzo(a)pyrene	19.96	252	76630	13.70	ng	96
91) Benzo(a,h,i)perylene	21.53	276	35828	7.41	ng	98

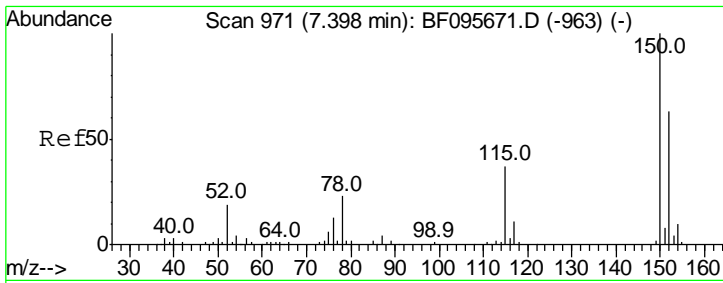
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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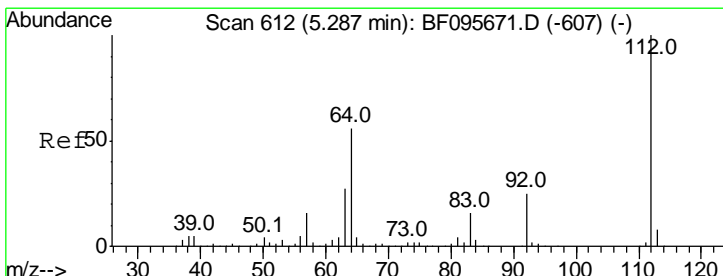
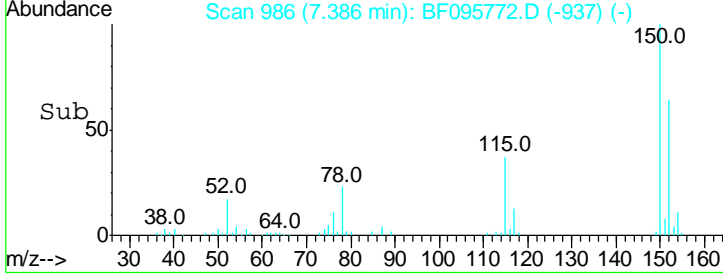
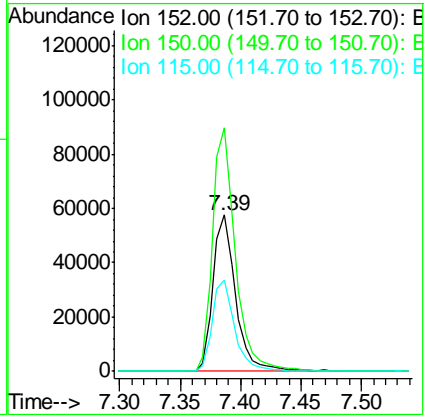
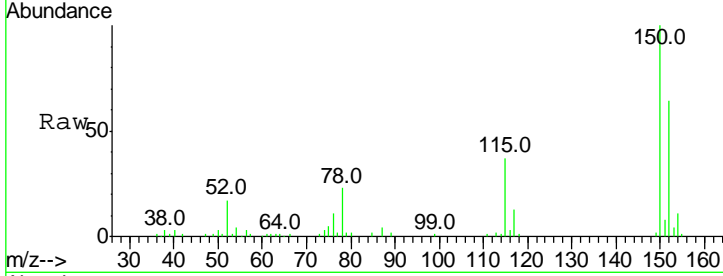




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.39 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

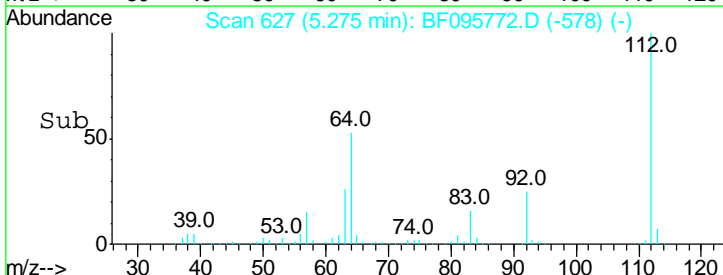
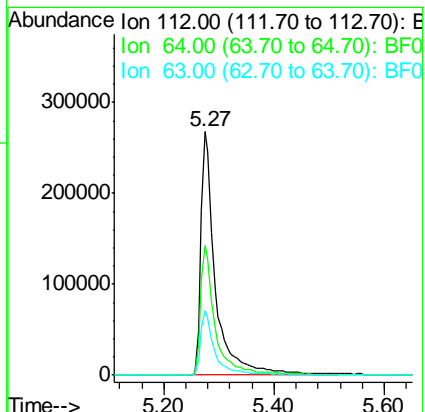
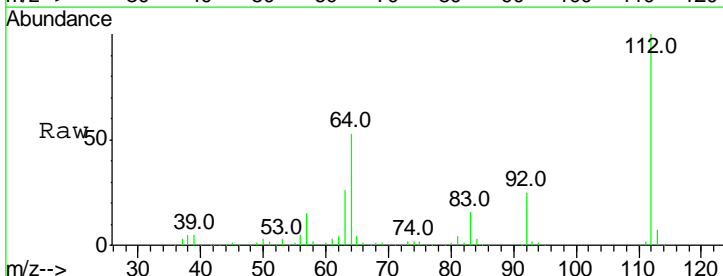
Instrument :
 BNA_F
 ClientSampled :

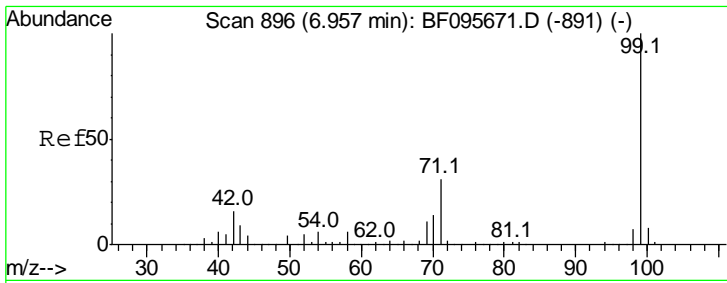
Tgt Ion	Resp	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	58.1	52.2	78.2



#5
 2-Fluorophenol
 Concen: 105.27 ng
 RT: 5.27 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	26.3	23.4	35.0

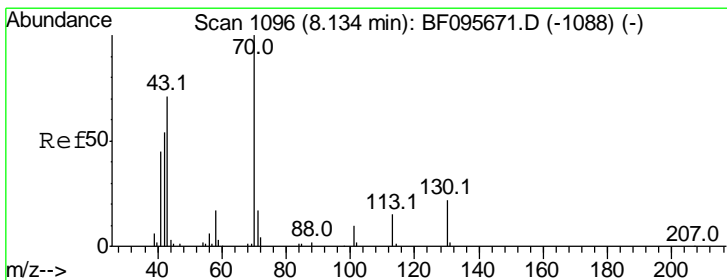
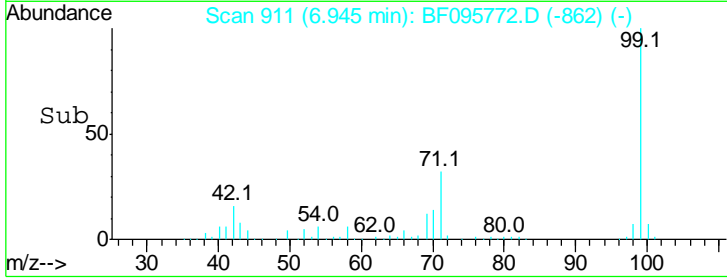
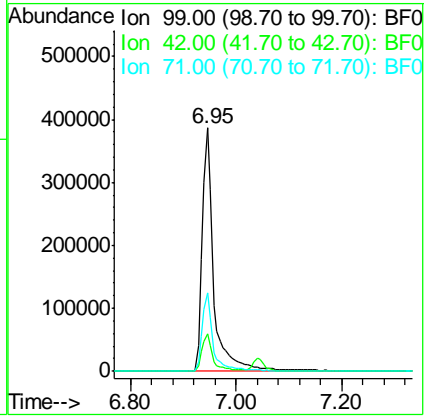
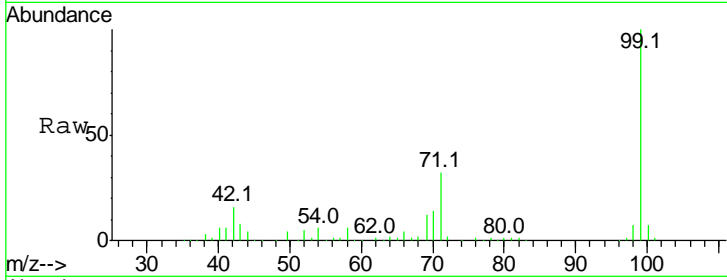




#7
 Phenol-d6
 Concen: 106.22 ng
 RT: 6.95 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

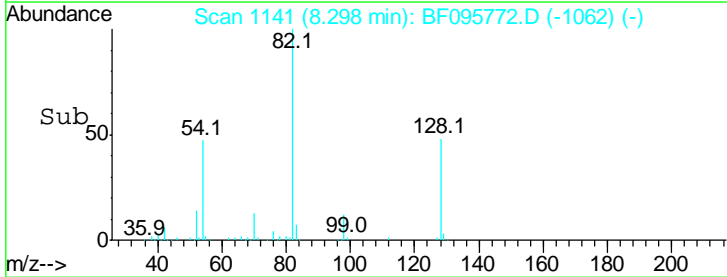
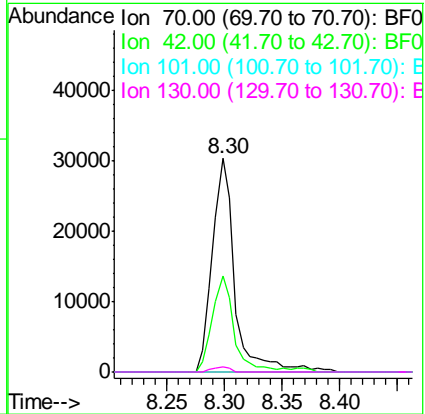
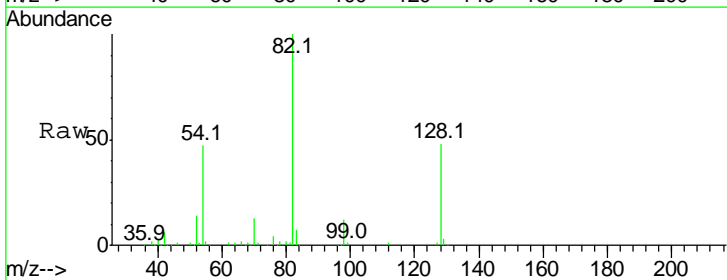
Instrument :
 BNA_F
 ClientSampled :

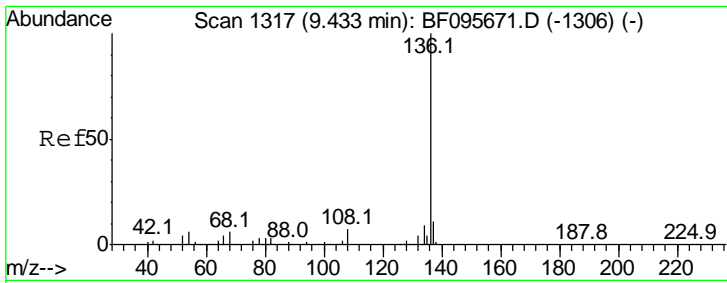
Tgt Ion	Resp	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	32.1	24.5	36.7



#19
 n-Nitroso-di-n-propylamine
 Concen: 11.66 ng
 RT: 8.30 min Scan# 1141
 Delta R.T. 0.16 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
70	100		
42	44.7	47.2	70.8#
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



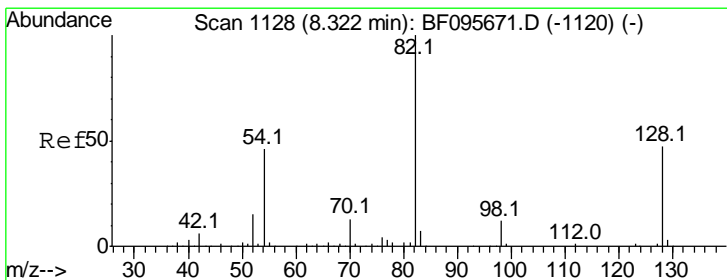
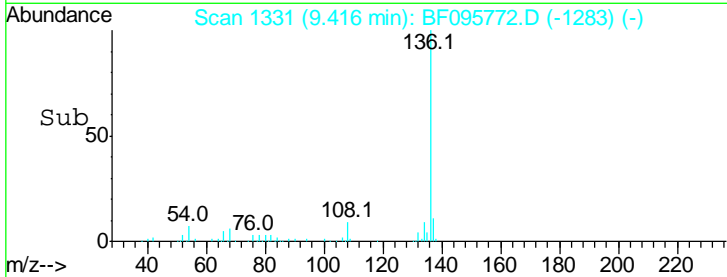
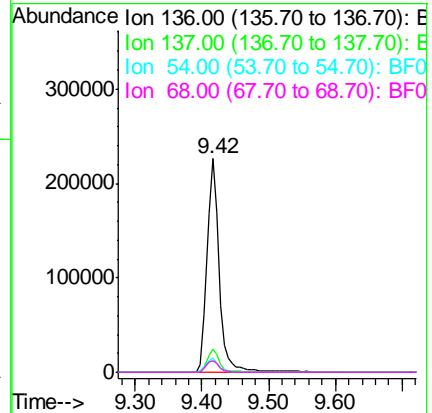
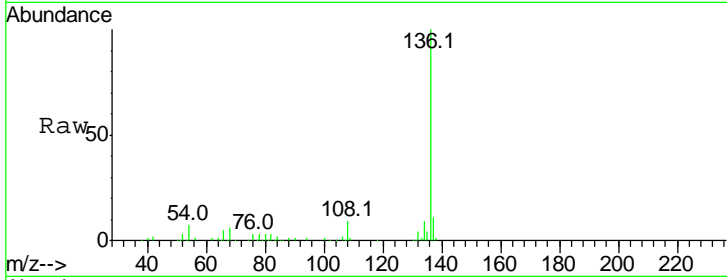


#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 136 Resp: 282187

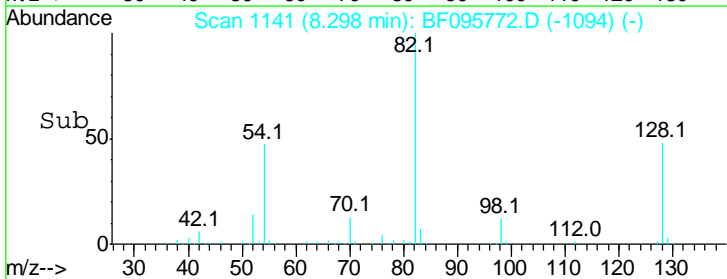
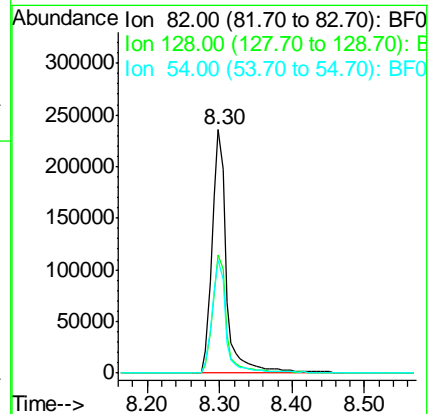
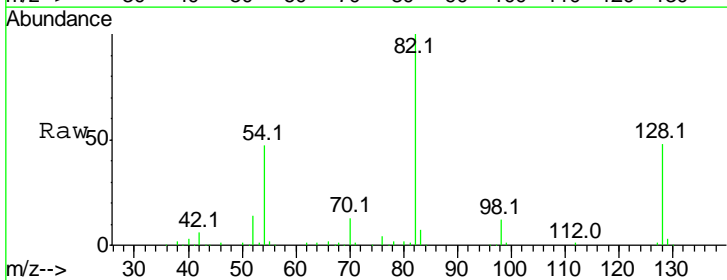
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.6	4.9	7.3
68	5.6	4.1	6.1

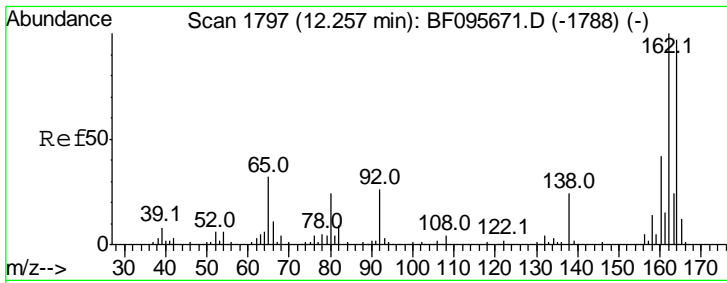


#23
 Nitrobenzene-d5
 Concen: 71.94 ng
 RT: 8.30 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion: 82 Resp: 326870

Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	46.5	42.2	63.2

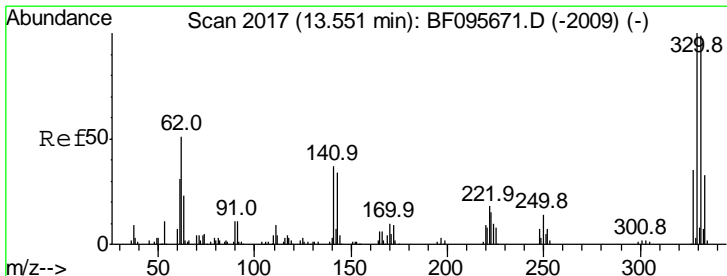
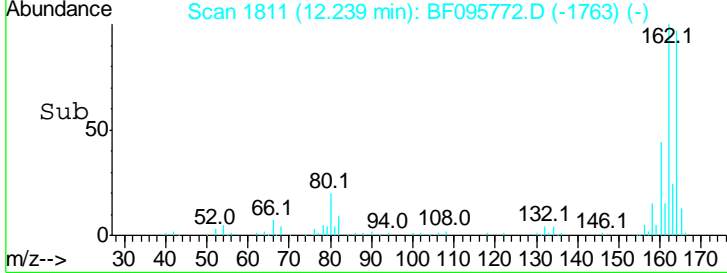
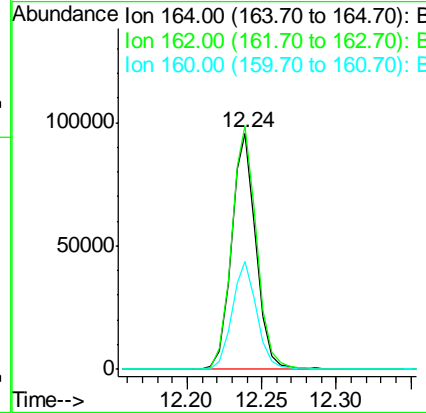
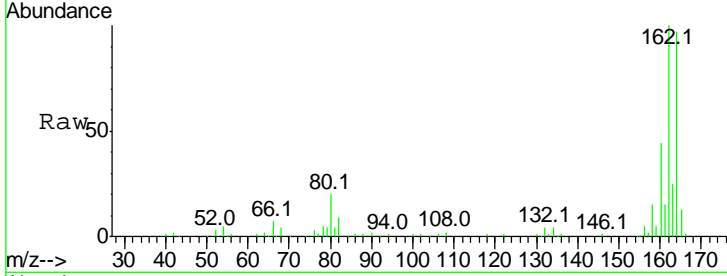




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

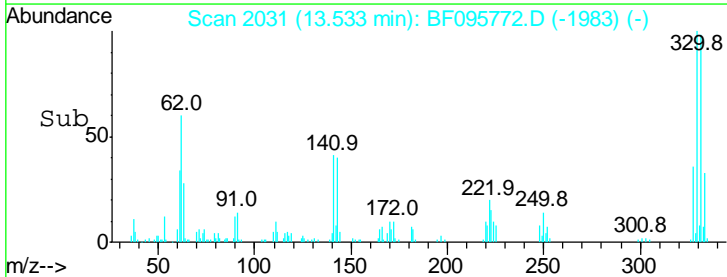
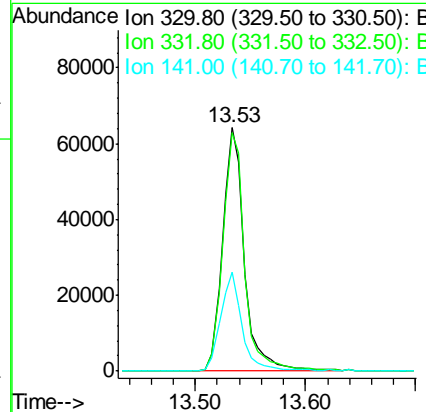
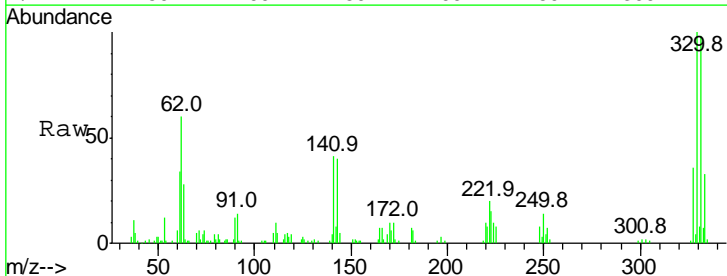
Instrument :
 BNA_F
 ClientSampled :

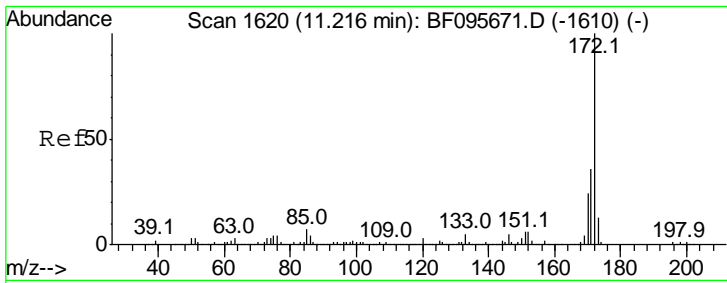
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	45.8	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 90.81 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
330	100		
332	98.7	76.6	115.0
141	39.8	31.4	47.2

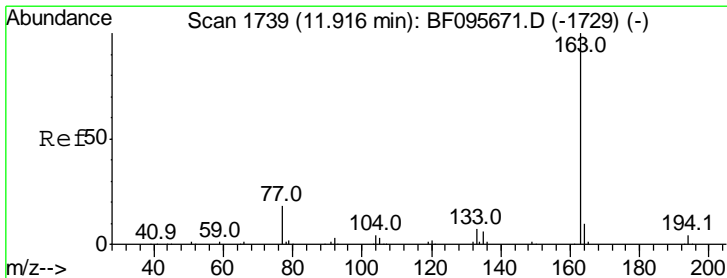
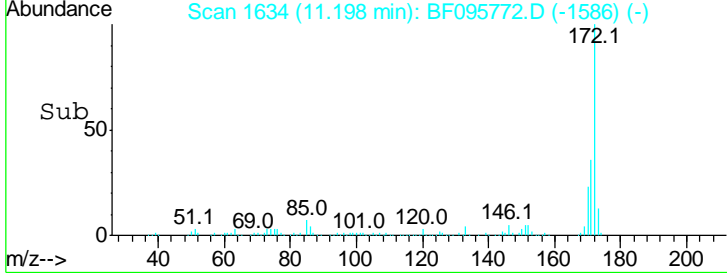
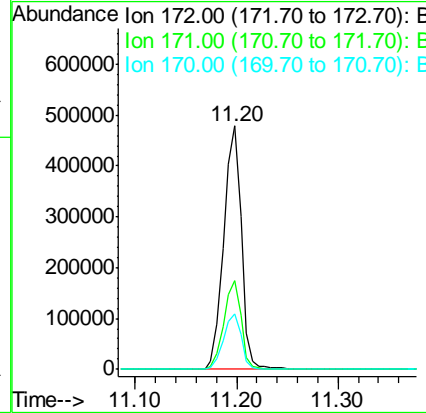
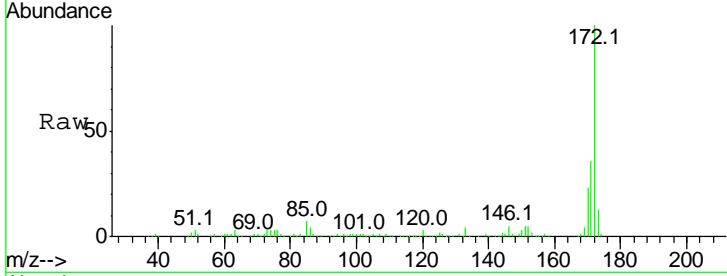




#44
 2-Fluorobiphenyl
 Concen: 73.76 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

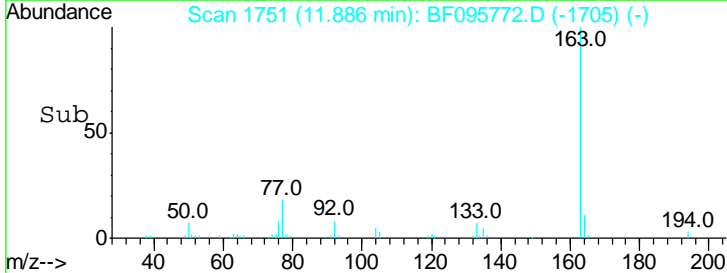
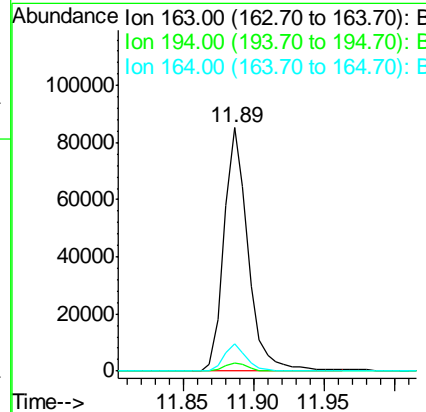
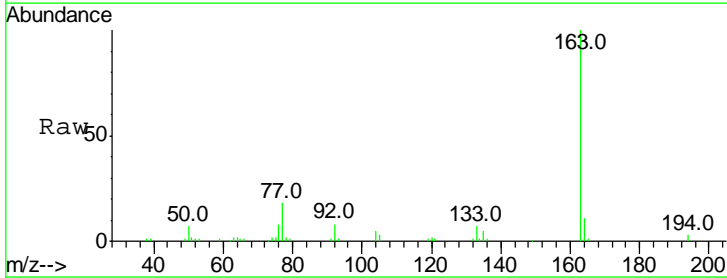
Instrument :
 BNA_F
 ClientSampled :

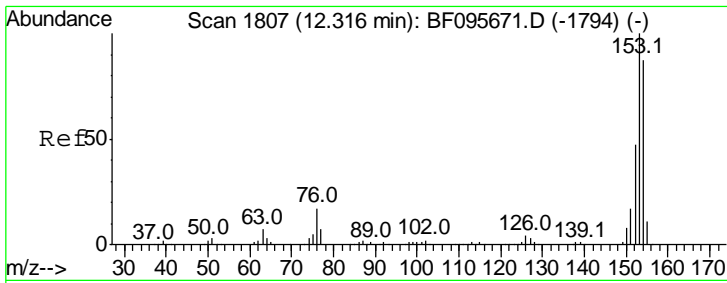
Tgt Ion	Resp	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	22.9	19.8	29.8



#49
 Dimethylphthalate
 Concen: 12.17 ng
 RT: 11.89 min Scan# 1751
 Delta R.T. -0.03 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	11.0	8.4	12.6



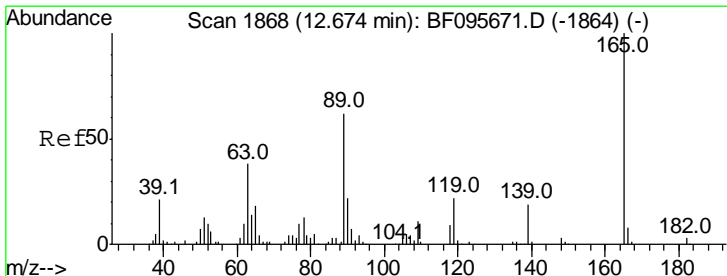
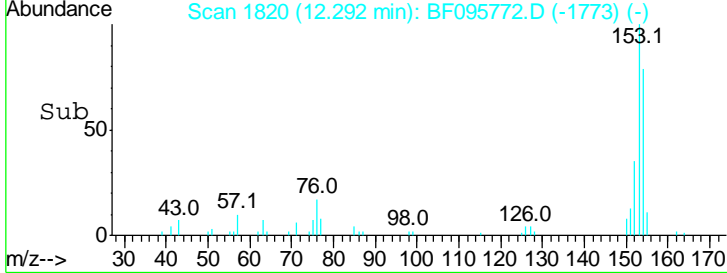
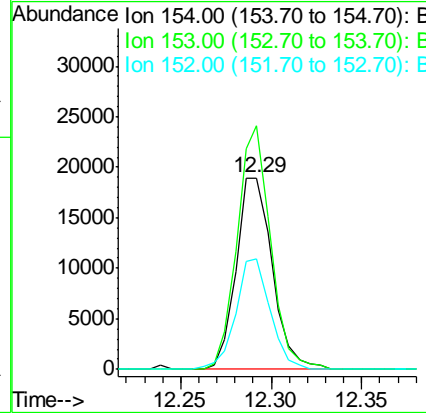
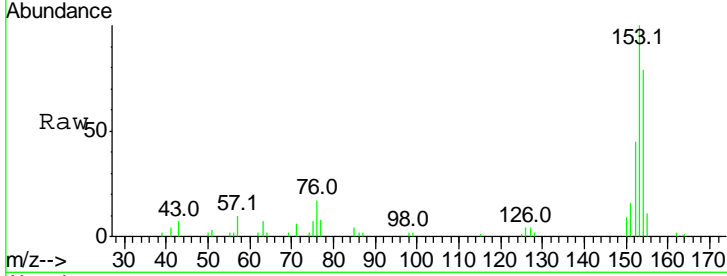


#51
 Acenaphthene
 Concen: 3.78 ng
 RT: 12.29 min Scan# 1820
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:154 Resp: 26354

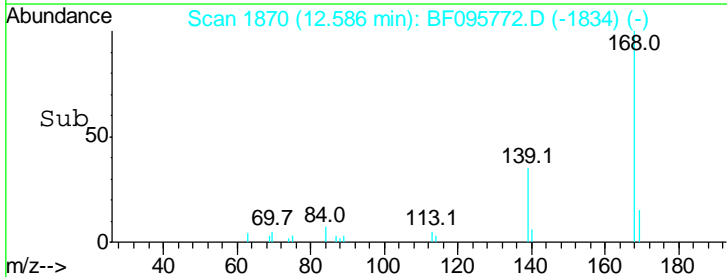
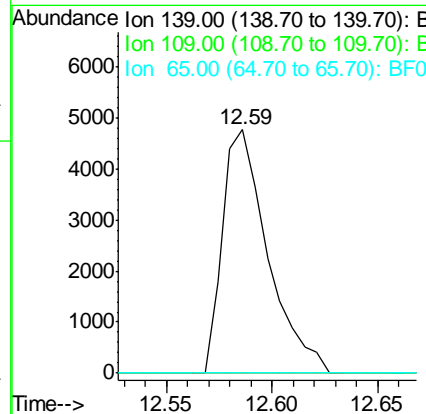
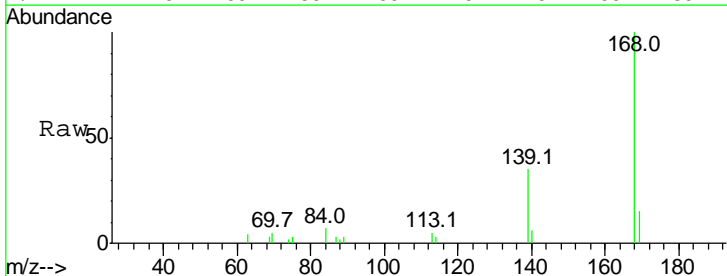
Ion	Ratio	Lower	Upper
154	100		
153	127.2	90.5	135.7
152	57.4	43.6	65.4

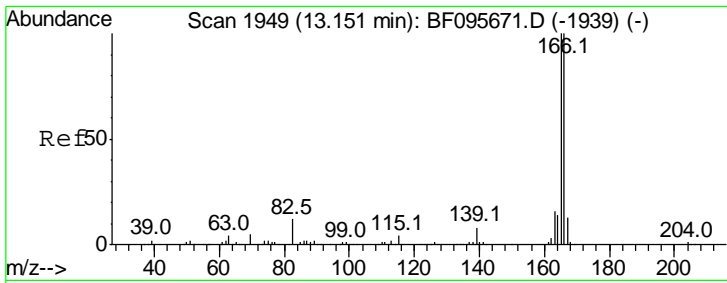


#55
 4-Nitrophenol
 Concen: 10.03 ng
 RT: 12.59 min Scan# 1870
 Delta R.T. -0.09 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion:139 Resp: 7084

Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

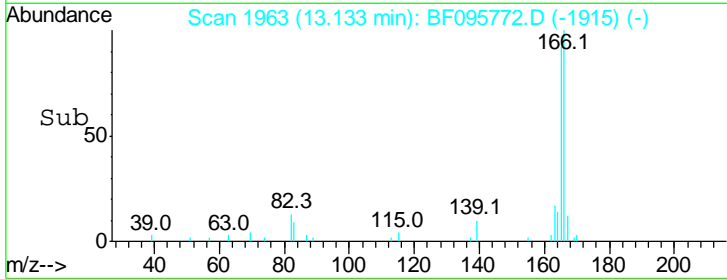
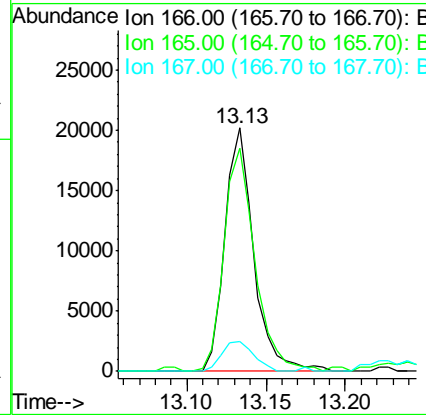
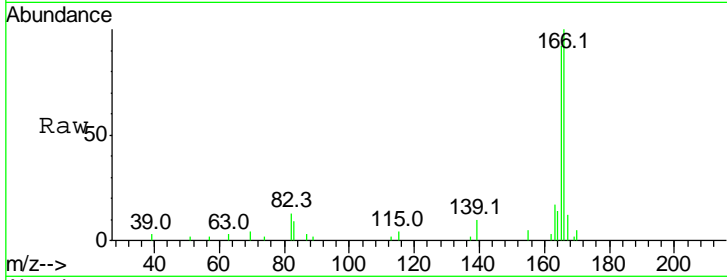




#57
 Fluorene
 Concen: 2.98 ng
 RT: 13.13 min Scan# 1963
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

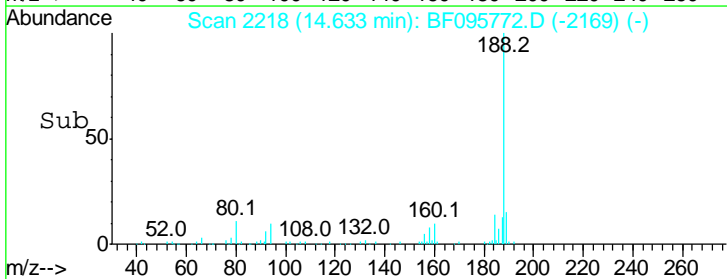
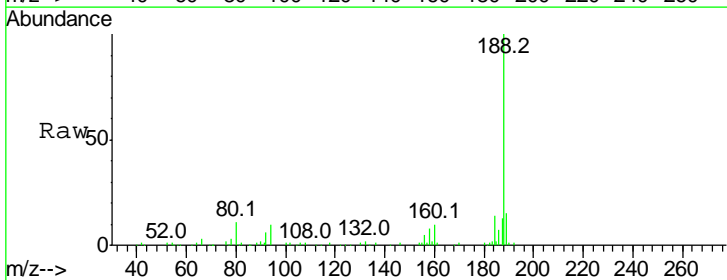
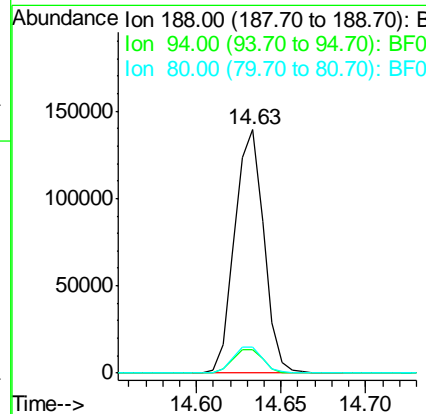
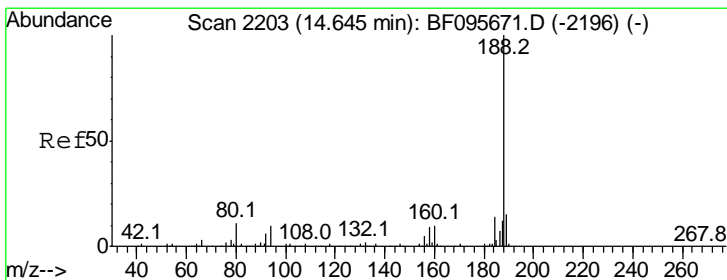
Instrument :
 BNA_F
 ClientSampled :

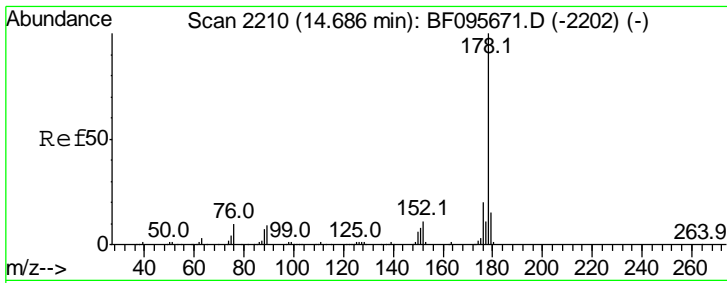
Tgt Ion	Resp	Lower	Upper
166	100		
165	91.7	78.8	118.2
167	12.5	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.8	10.2	15.2

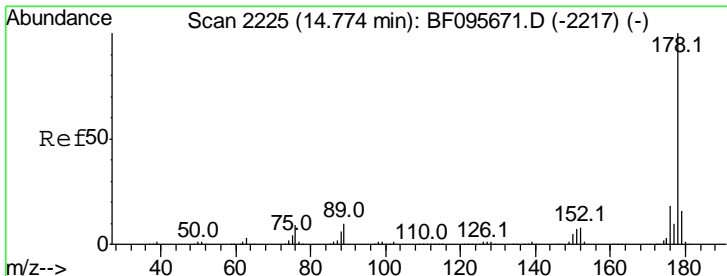
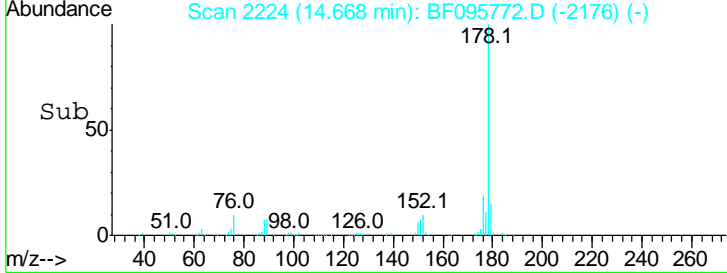
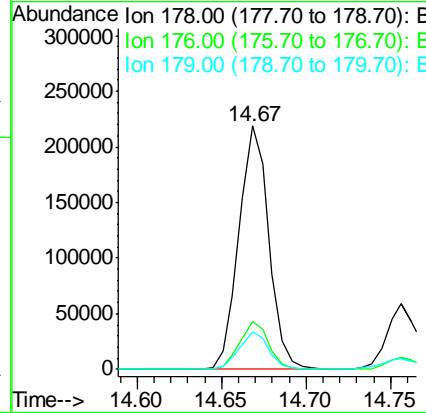
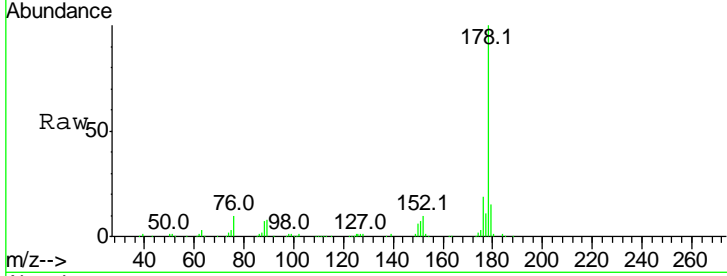




#70
 Phenanthrene
 Concen: 28.06 ng
 RT: 14.67 min Scan# 2224
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

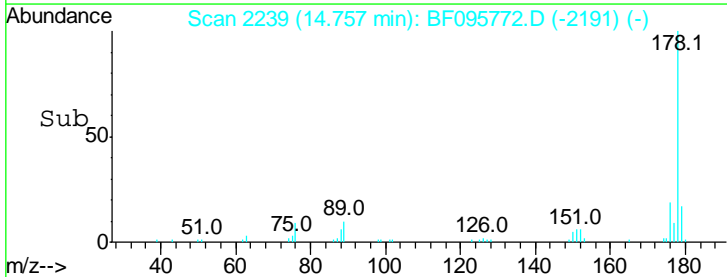
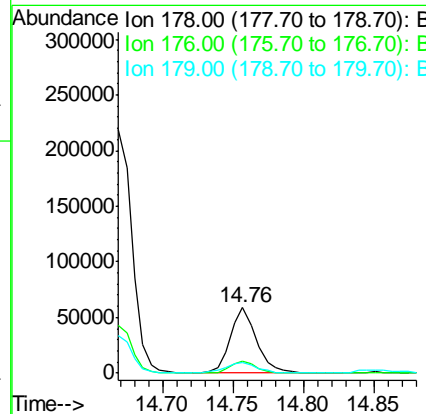
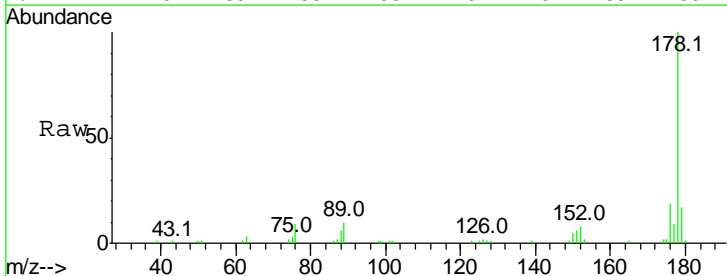
Instrument :
 BNA_F
 ClientSampled :

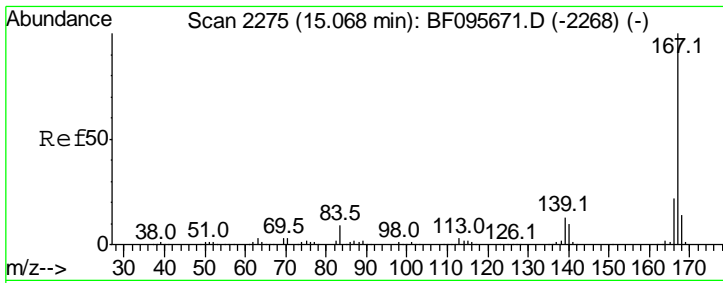
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.2	12.6	19.0



#71
 Anthracene
 Concen: 7.45 ng
 RT: 14.76 min Scan# 2239
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.8	12.7	19.1



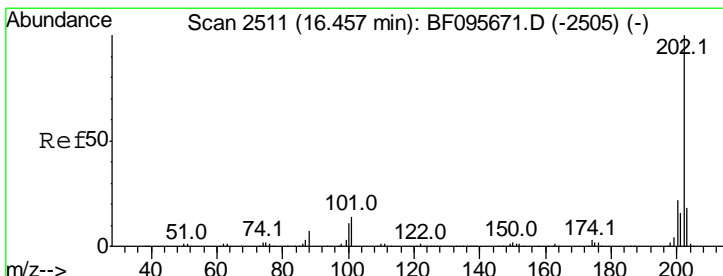
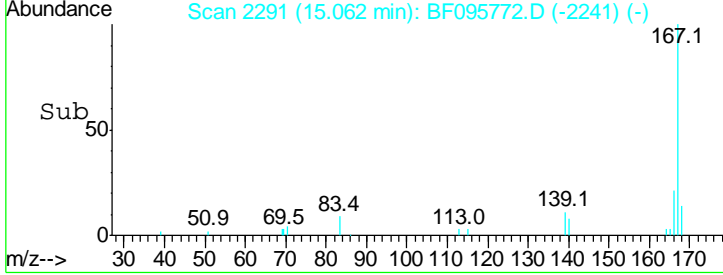
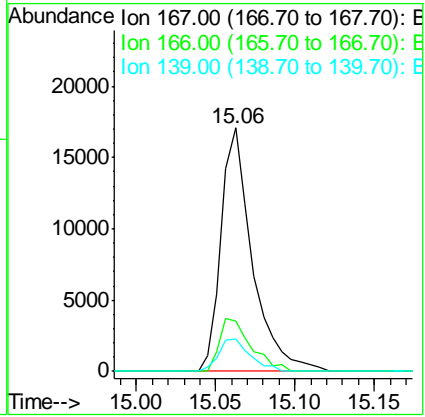
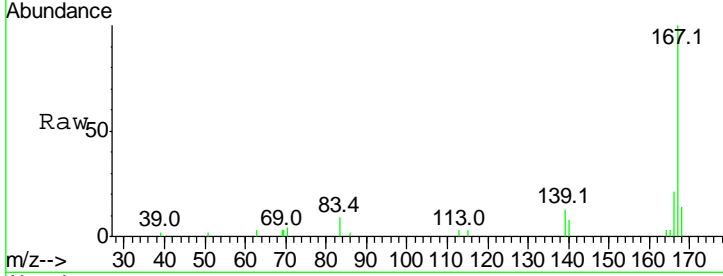


#72
 Carbazole
 Concen: 2.38 ng
 RT: 15.06 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 167 Resp: 23373

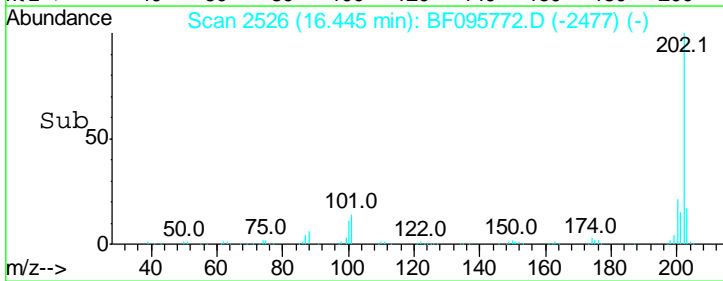
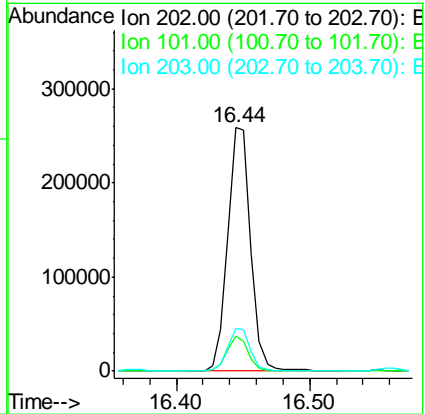
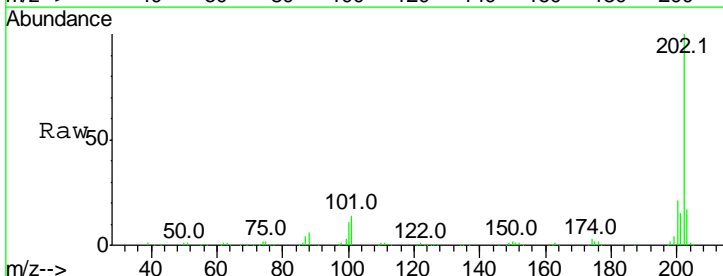
Ion	Ratio	Lower	Upper
167	100		
166	20.7	18.1	27.1
139	13.2	11.7	17.5

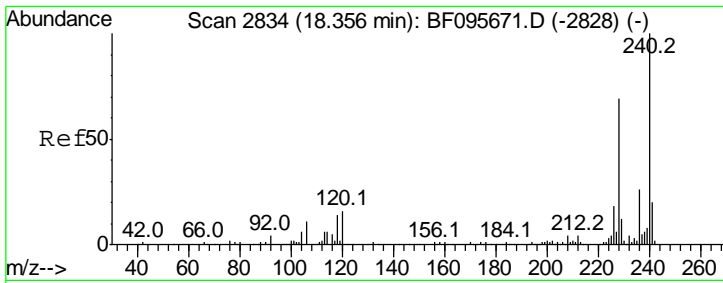


#74
 Fluoranthene
 Concen: 32.73 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion: 202 Resp: 312403

Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.3	0.0	38.1



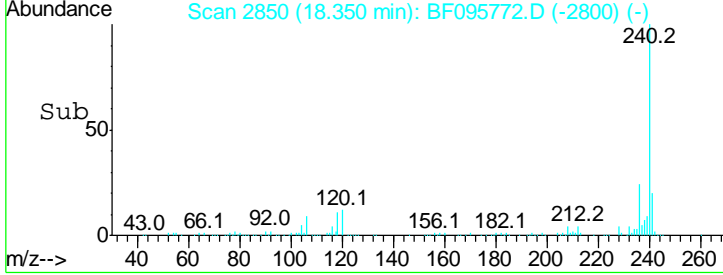
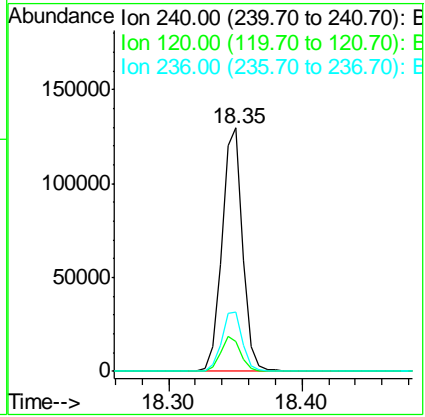
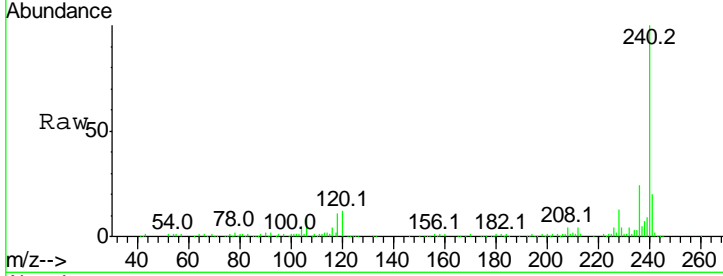


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.35 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 240 Resp: 141282

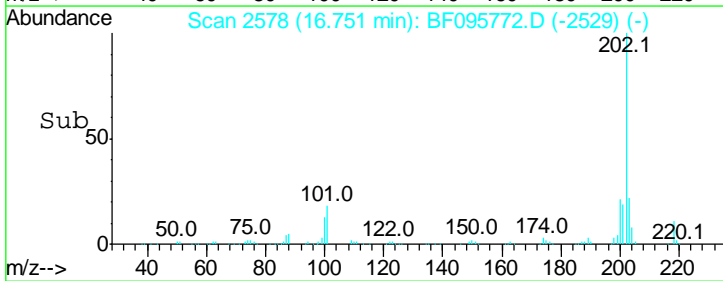
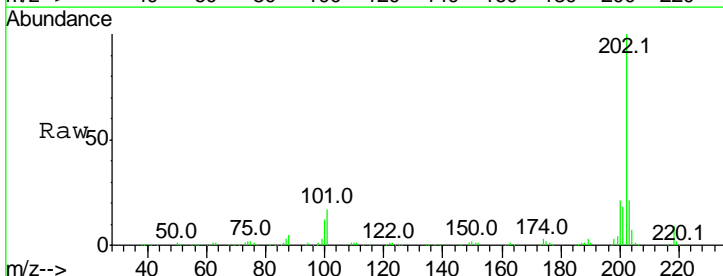
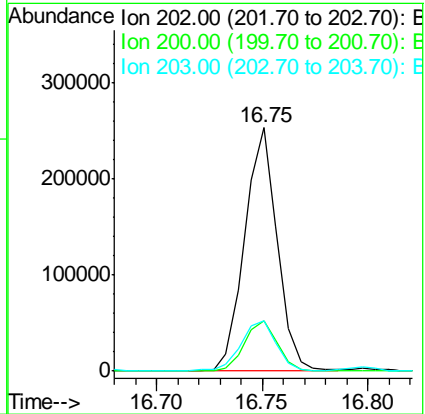
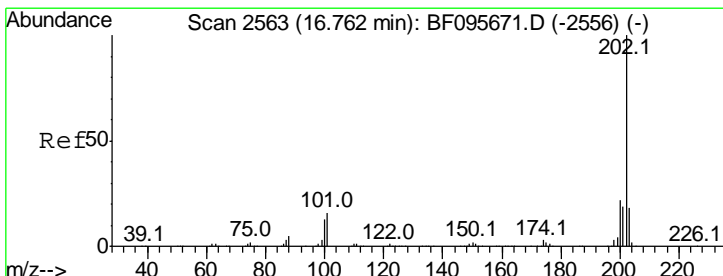
Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	24.1	20.5	30.7

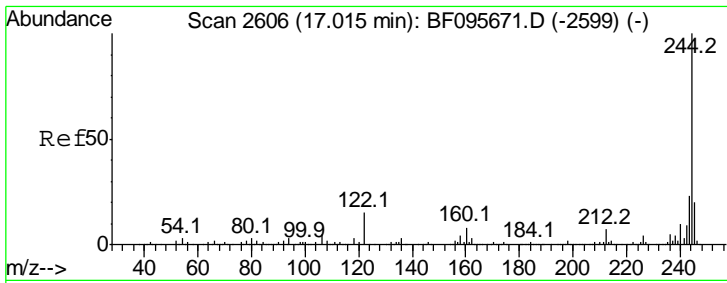


#77
 Pyrene
 Concen: 25.69 ng
 RT: 16.75 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion: 202 Resp: 270821

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.8	14.4	21.6

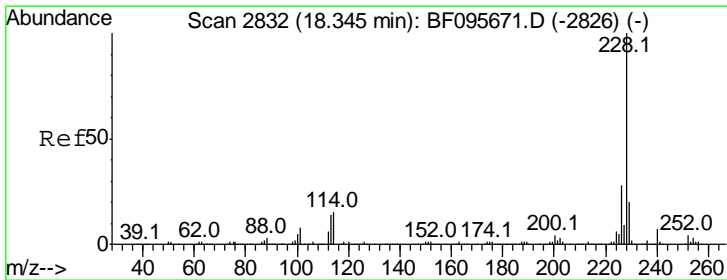
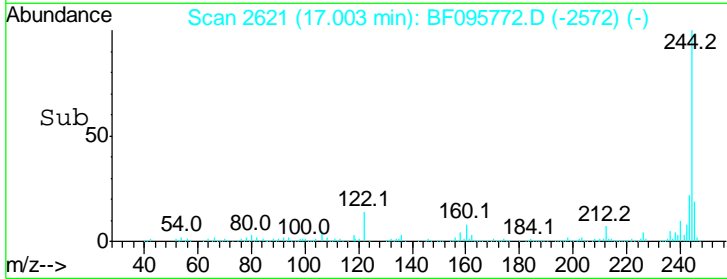
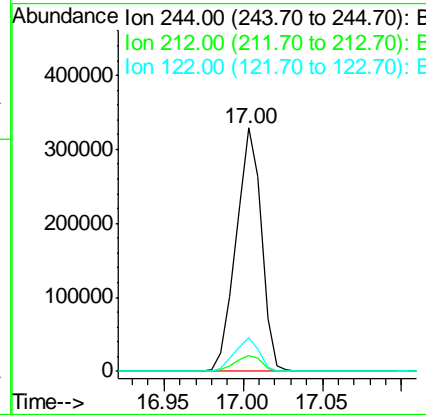
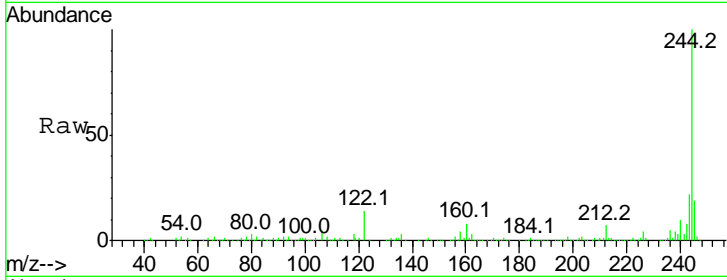




#78
 Terphenyl-d14
 Concen: 63.73 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

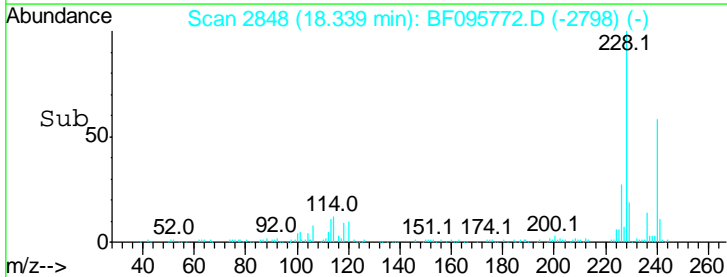
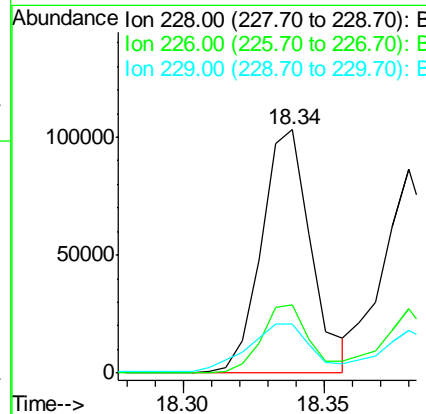
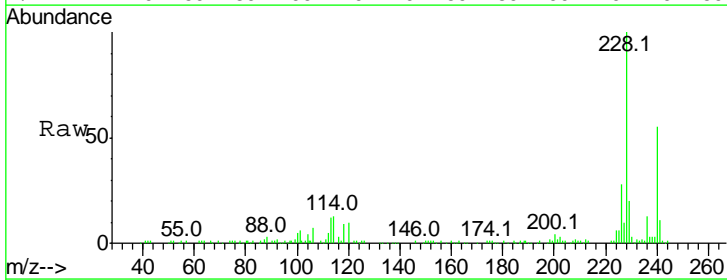
Instrument :
 BNA_F
 ClientSampled :

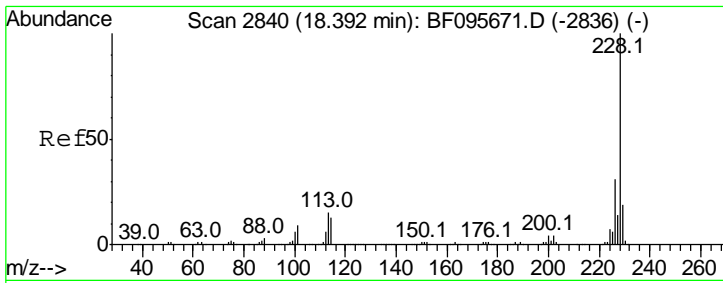
Tgt Ion	Resp	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.8	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 15.18 ng
 RT: 18.34 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.9	16.3	24.5

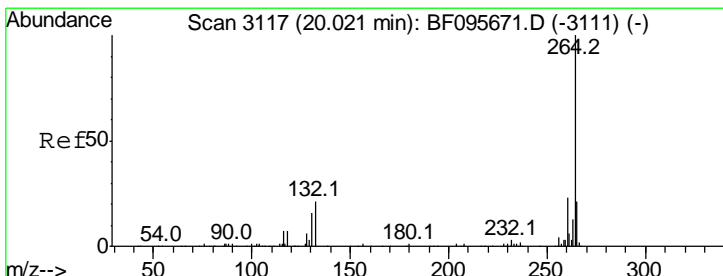
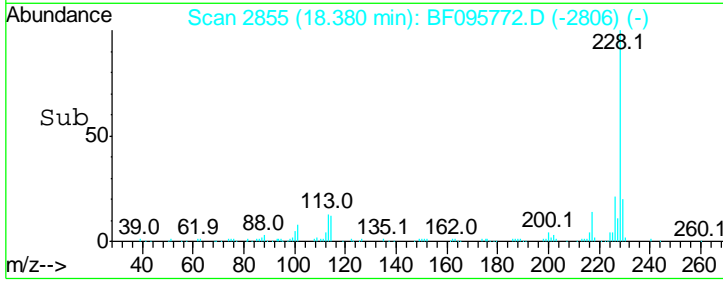
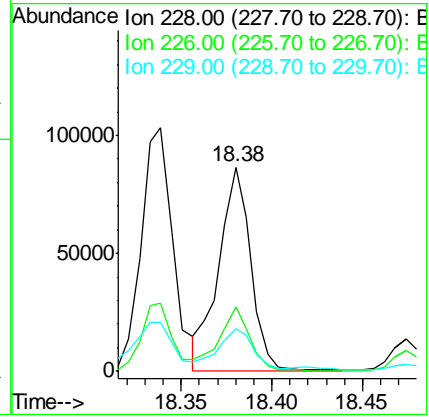
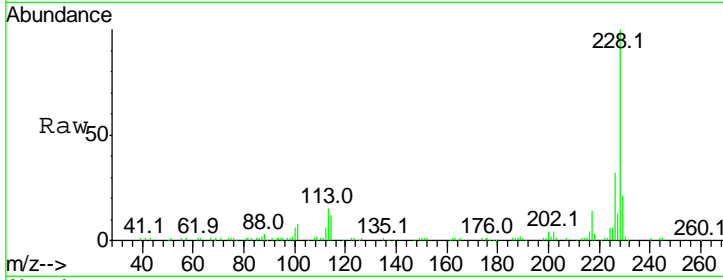




#82
 Chrysene
 Concen: 12.88 ng
 RT: 18.38 min Scan# 2855
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

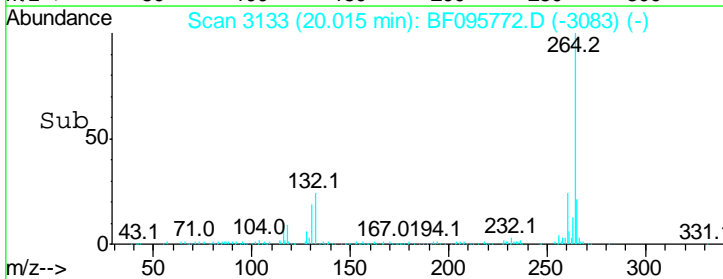
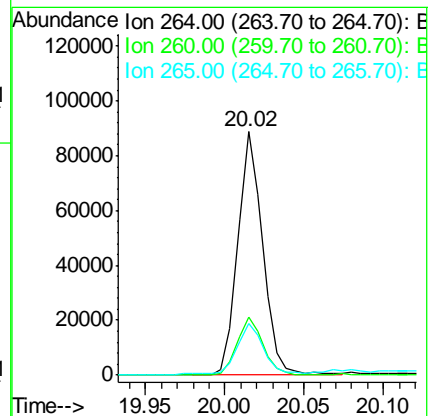
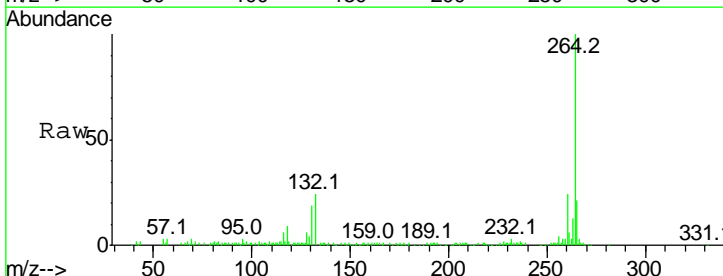
Instrument :
 BNA_F
 ClientSampled :

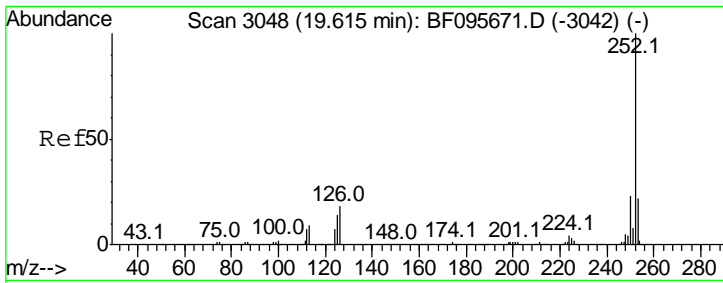
Tgt Ion	Resp	Lower	Upper
228	105728		
226	31.8	24.9	37.3
229	20.7	15.8	23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
264	97194		
260	23.8	19.5	29.3
265	21.4	17.2	25.8

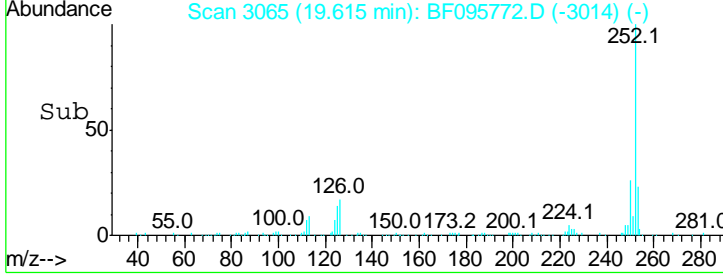
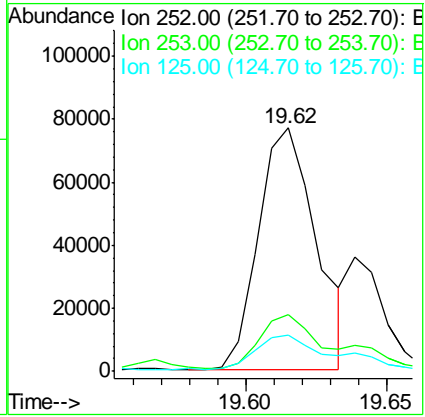
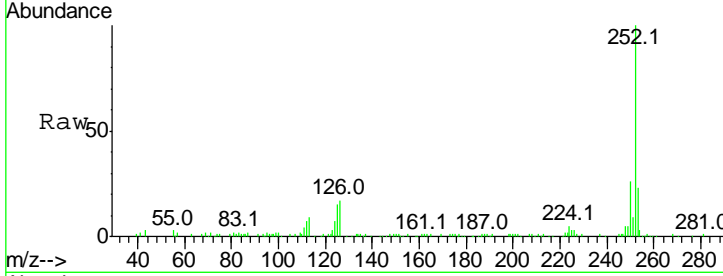




#87
 Benzo(b)fluoranthene
 Concen: 17.92 ng
 RT: 19.62 min Scan# 3065
 Delta R.T. -0.00 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

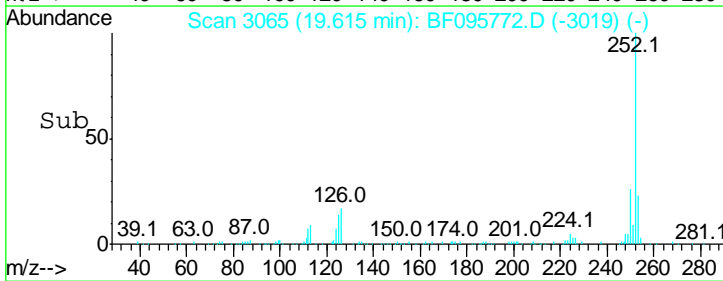
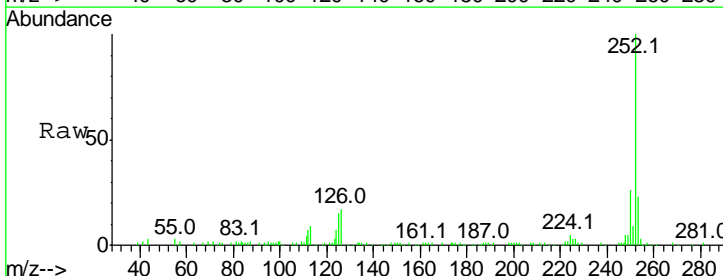
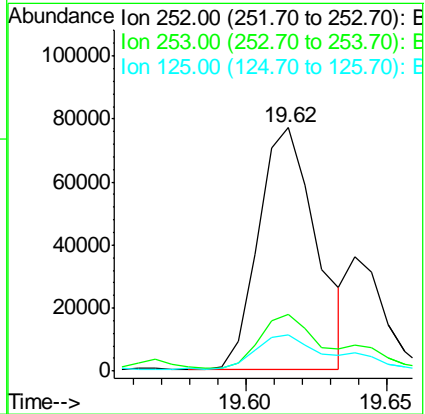
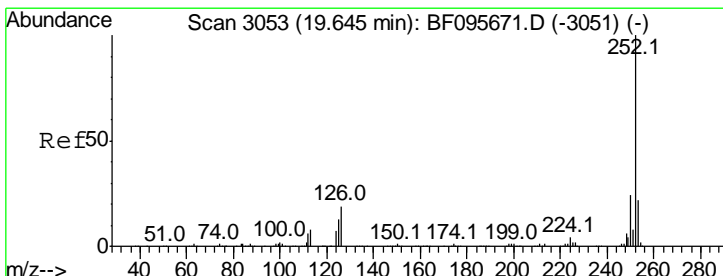
Instrument :
 BNA_F
 ClientSampled :

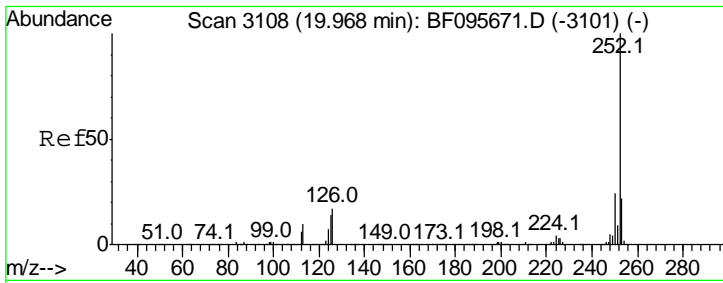
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.1	9.8	14.8#



#88
 Benzo(k)fluoranthene
 Concen: 18.75 ng
 RT: 19.62 min Scan# 3065
 Delta R.T. -0.03 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	15.1	13.1	19.7

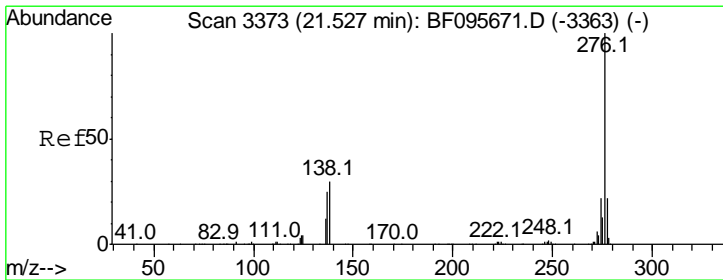
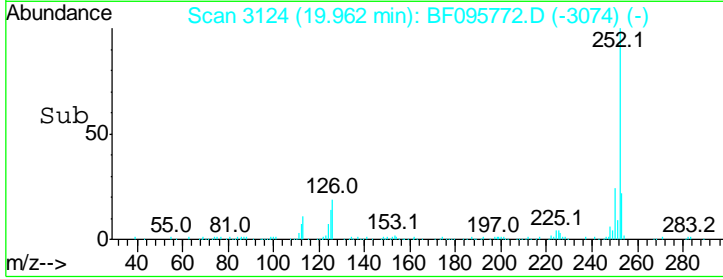
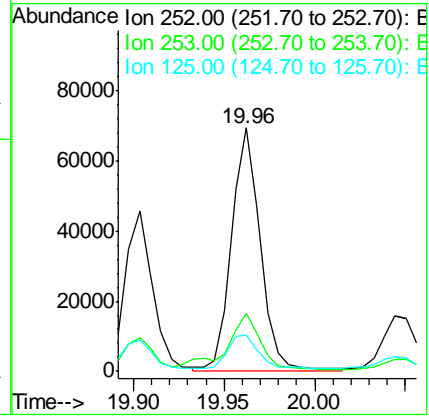
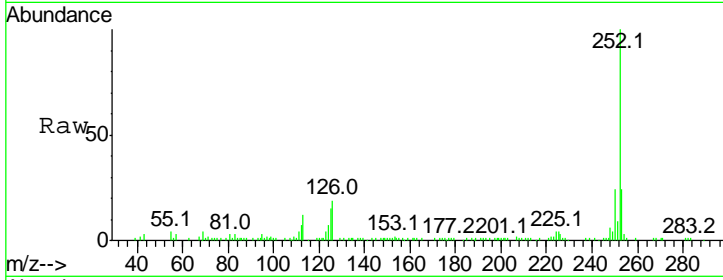




#89
 Benzo(a)pyrene
 Concen: 13.70 ng
 RT: 19.96 min Scan# 3124
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	15.1	11.0	16.4



#91
 Benzo(g,h,i)perylene
 Concen: 7.41 ng
 RT: 21.53 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Resp	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	32.2	25.4	38.0

