

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095944.D
 Acq On : 15 Jun 2017 2:45
 Operator : SJ/MA
 Sample : I3665-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 03:59:50 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	7.33	152	71572	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	278143	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	109984	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	164908	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	137372	20.00	ng	-0.05
86) Perylene-d12	19.97	264	99576	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	455465	101.40	ng	-0.06
7) Phenol-d6	6.90	99	545805	101.50	ng	-0.05
23) Nitrobenzene-d5	8.25	82	305059	68.11	ng	-0.07
41) 2,4,6-Tribromophenol	13.49	330	84428	86.76	ng	-0.06
44) 2-Fluorobiphenyl	11.15	172	523671	66.26	ng	-0.07
78) Terphenyl-d14	16.96	244	324216	58.57	ng	-0.06

Target Compounds

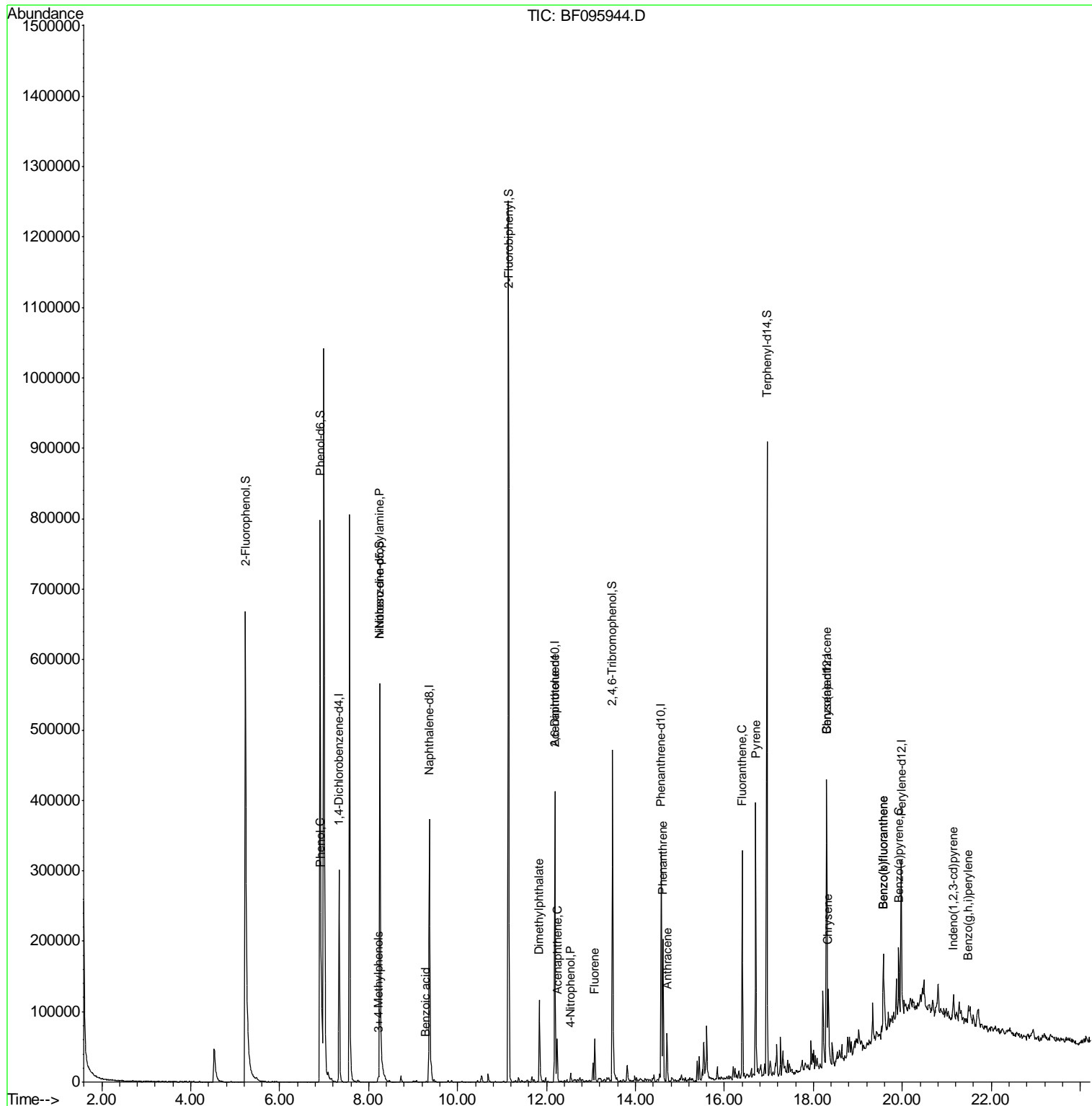
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.93	94	21428	3.84	ng	# 64
19) n-Nitroso-di-n-propylamine	8.25	70	37679	11.06	ng	# 75
20) 3+4-Methylphenols	8.22	107	11270	2.22	ng	# 53
32) Benzoic acid	9.29	122	116	5.16	ng	# 1
49) Dimethylphthalate	11.84	163	70651	8.46	ng	98
50) 2,6-Dinitrotoluene	12.19	165	14405	7.91	ng	# 31
51) Acenaphthene	12.24	154	15882	2.27	ng	94
55) 4-Nitrophenol	12.54	139	3557	7.33	ng	# 25
57) Fluorene	13.08	166	22973	2.68	ng	# 92
70) Phenanthrene	14.62	178	116476	12.24	ng	97
71) Anthracene	14.71	178	43177	4.35	ng	97
74) Fluoranthene	16.40	202	174064	18.48	ng	98
77) Pyrene	16.70	202	154904	15.11	ng	95
80) Benzo(a)anthracene	18.29	228	65741	8.23	ng	97
82) Chrysene	18.34	228	57160	7.16	ng	99
85) Indeno(1,2,3-cd)pyrene	21.15	276	18434	2.70	ng	92
87) Benzo(b)fluoranthene	19.57	252	75442	12.10	ng	# 97
88) Benzo(k)fluoranthene	19.57	252	75442	12.66	ng	98
89) Benzo(a)pyrene	19.92	252	40543	7.07	ng	# 94
91) Benzo(a,h,i)perylene	21.49	276	16510	3.33	ng	98

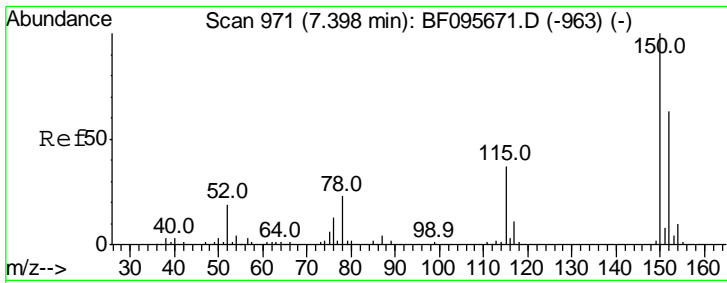
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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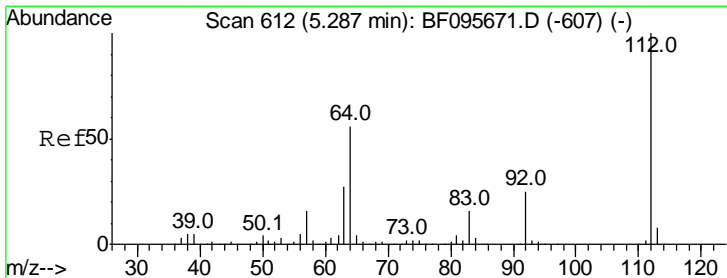
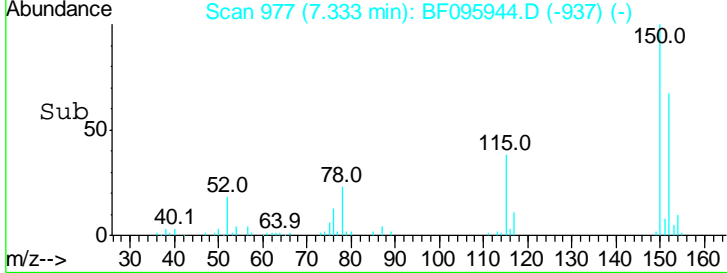
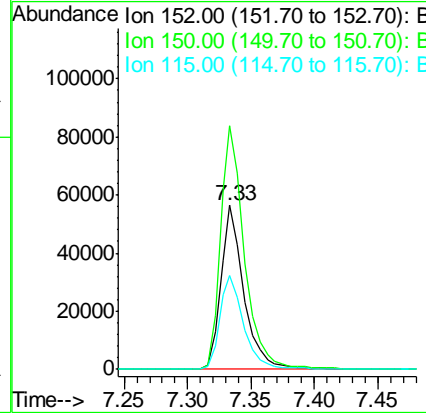
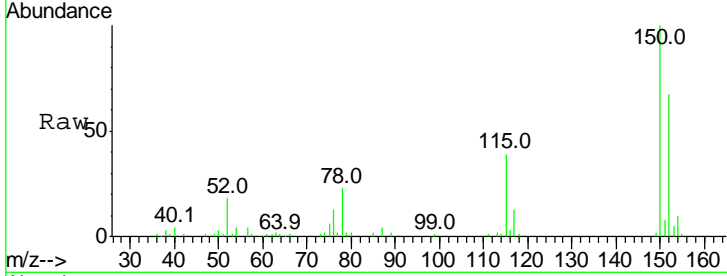




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.33 min Scan# 977
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

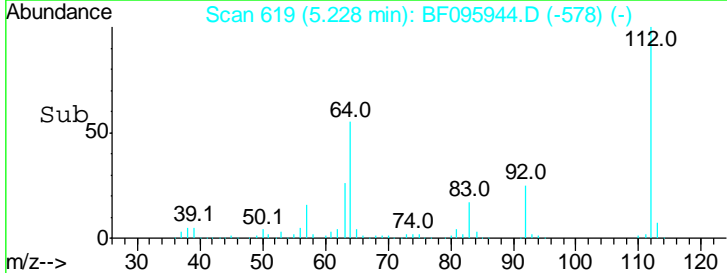
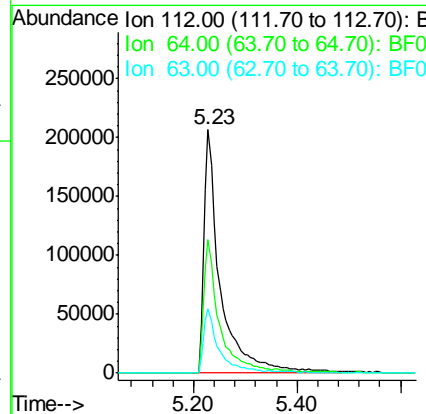
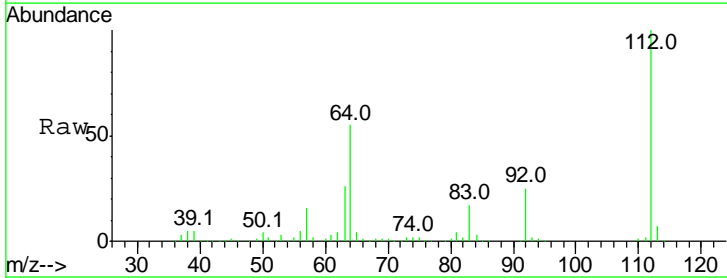
Instrument :
 BNA_F
 ClientSampled :

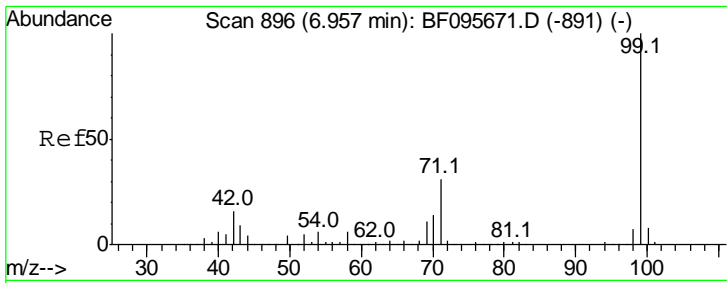
Tgt Ion	Resp	Lower	Upper
152	71572		
152	100		
150	148.8	126.2	189.2
115	57.6	52.2	78.2



#5
 2-Fluorophenol
 Concen: 101.40 ng
 RT: 5.23 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
112	455465		
112	100		
64	54.9	46.0	69.0
63	26.5	23.4	35.0

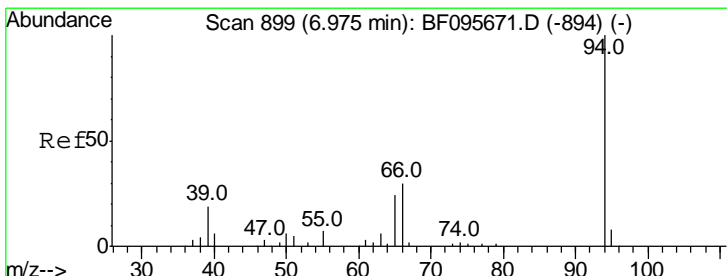
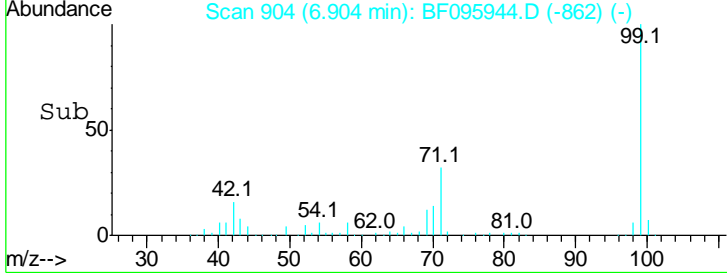
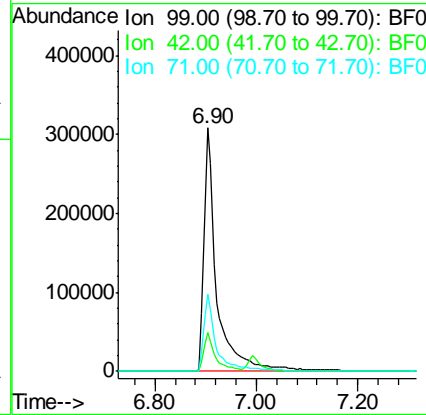
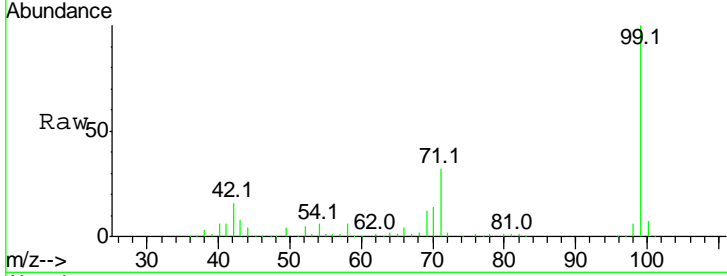




#7
 Phenol-d6
 Concen: 101.50 ng
 RT: 6.90 min Scan# 904
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

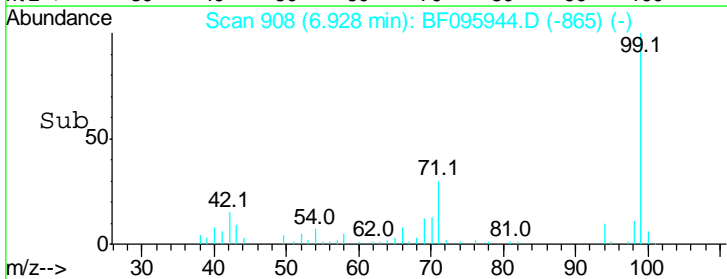
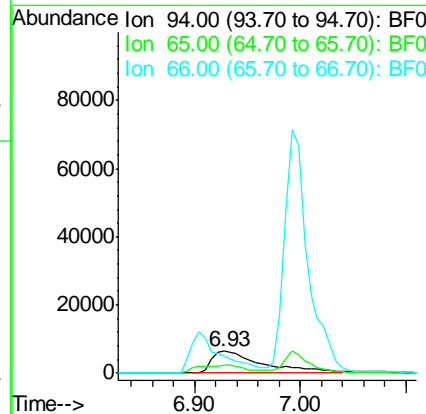
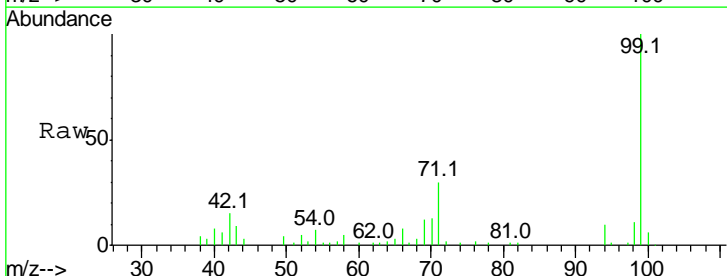
Instrument :
 BNA_F
ClientSampled :

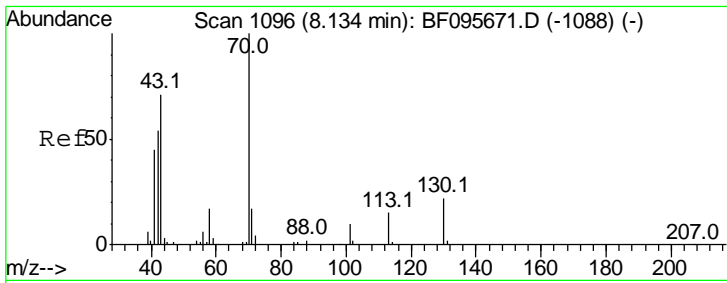
Tgt Ion	Resp	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	31.5	24.5	36.7



#10
 Phenol
 Concen: 3.84 ng
 RT: 6.93 min Scan# 908
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
94	100		
65	35.7	9.9	49.9
66	77.6	23.1	63.1#

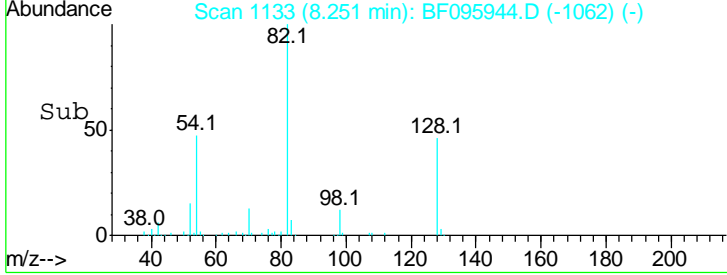
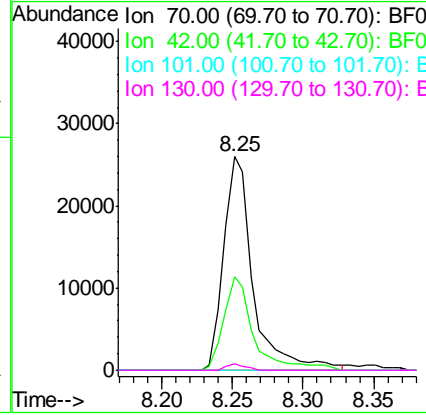
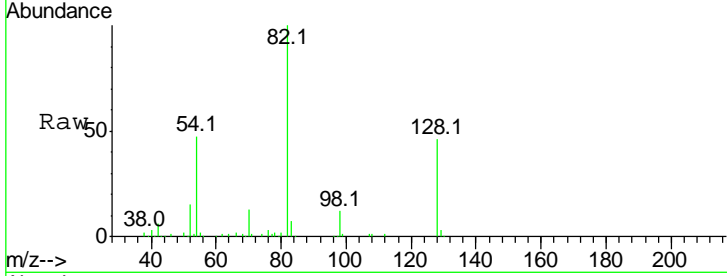




#19
 n-Nitroso-di-n-propylamine
 Concen: 11.06 ng
 RT: 8.25 min Scan# 1133
 Delta R.T. 0.12 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

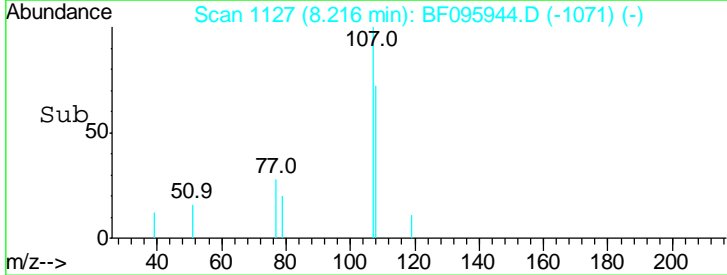
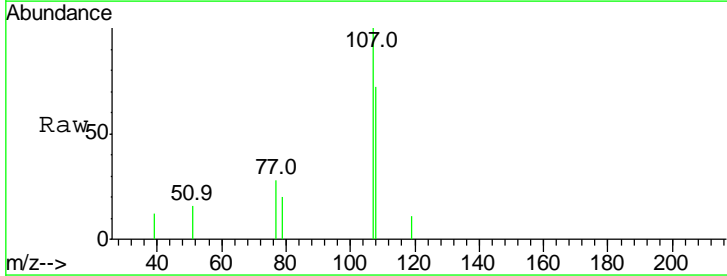
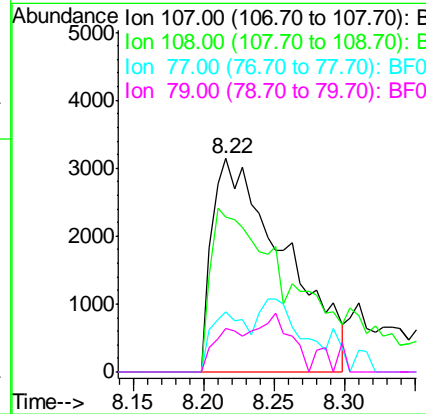
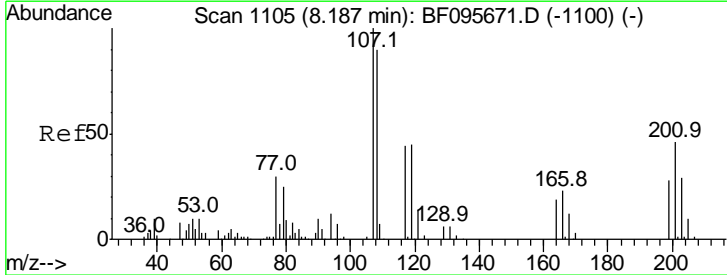
Instrument :
 BNA_F
 ClientSampled :

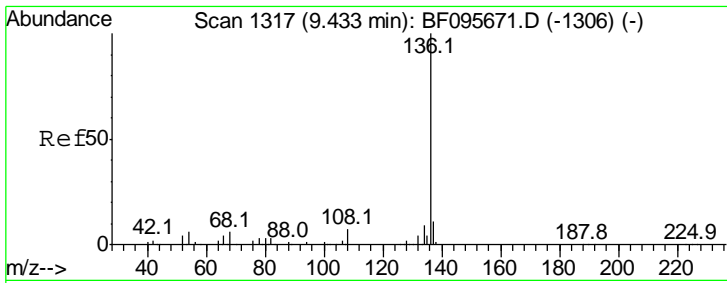
Tgt Ion	Resp	Lower	Upper
70	100		
42	43.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#



#20
 3+4-Methylphenols
 Concen: 2.22 ng
 RT: 8.22 min Scan# 1127
 Delta R.T. 0.03 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
107	100		
108	72.3	71.0	111.0
77	28.1	90.5	130.5#
79	20.3	8.4	48.4



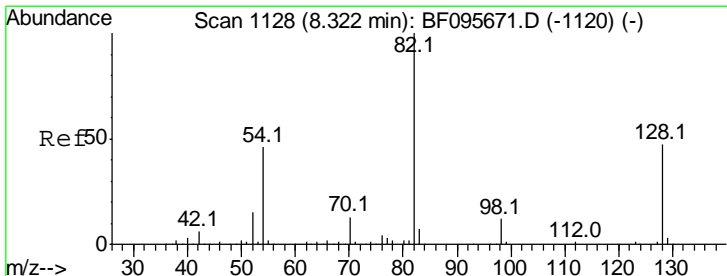
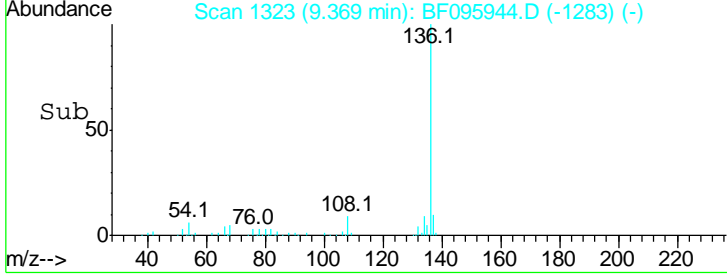
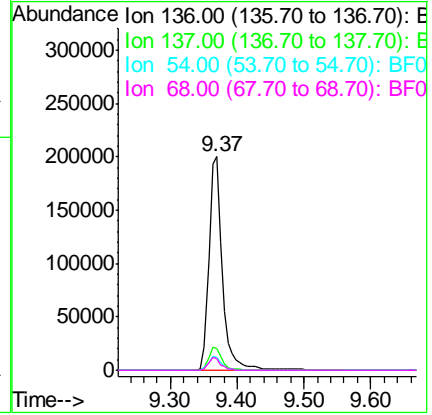
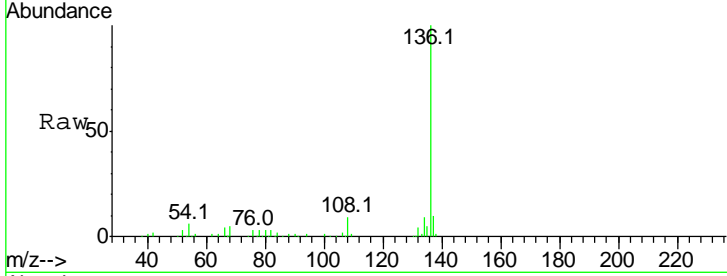


#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.37 min Scan# 1323
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 136 Resp: 278143

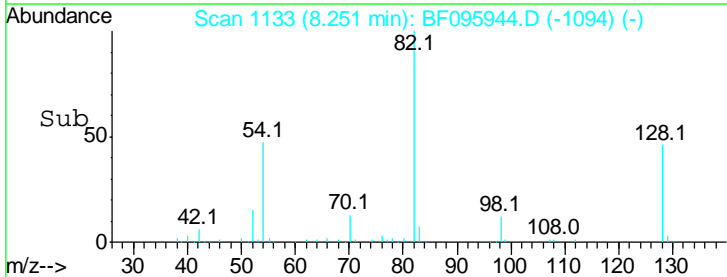
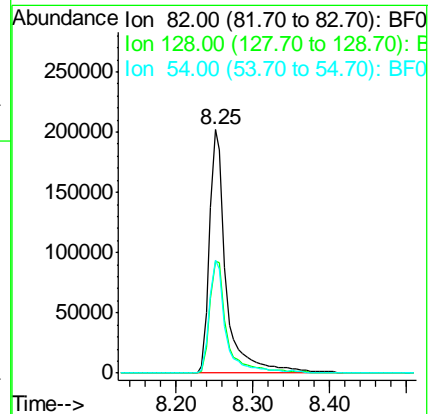
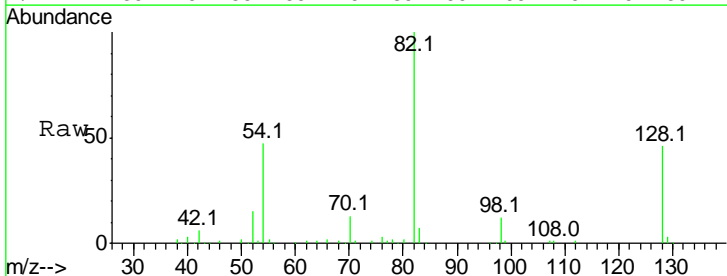
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.0	4.9	7.3
68	5.3	4.1	6.1

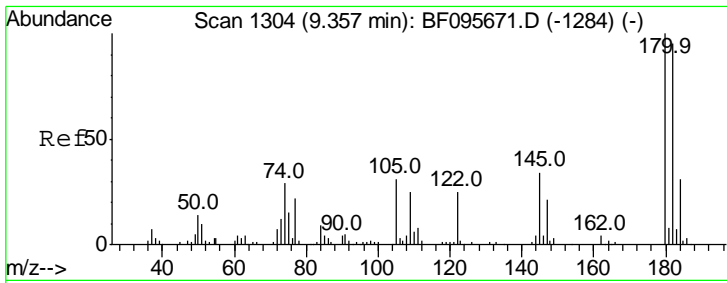


#23
 Nitrobenzene-d5
 Concen: 68.11 ng
 RT: 8.25 min Scan# 1133
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion: 82 Resp: 305059

Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	46.6	42.2	63.2

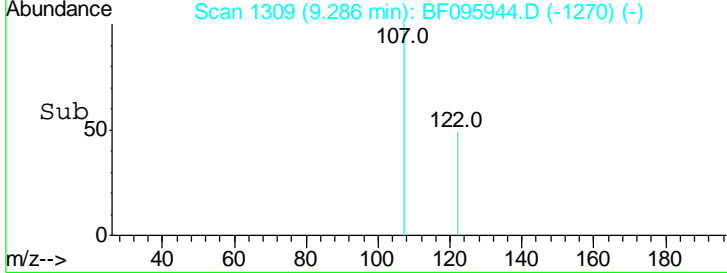
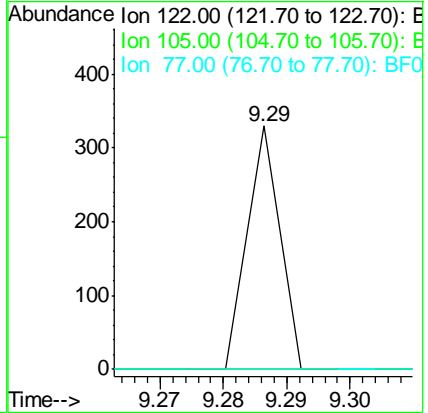
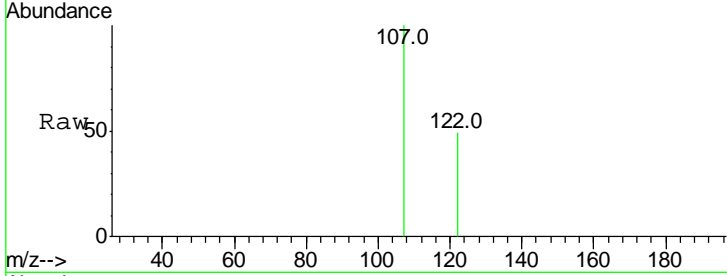




#32
 Benzoic acid
 Concen: 5.16 ng
 RT: 9.29 min Scan# 1309
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

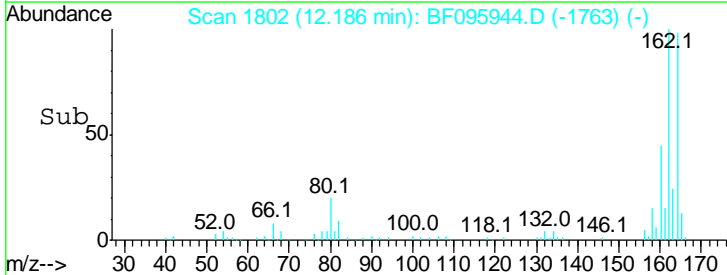
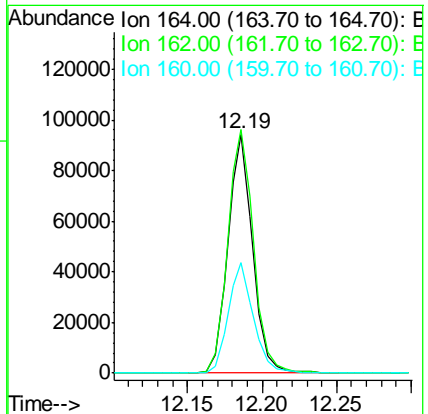
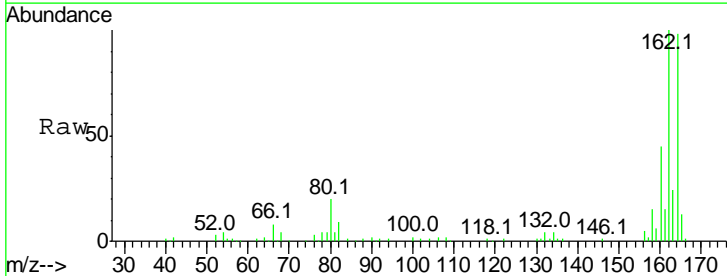
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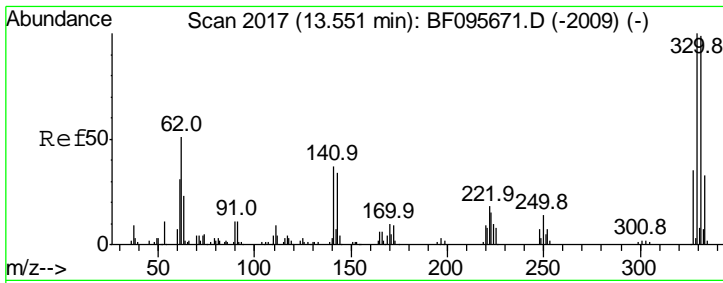
Tgt Ion	Resp	Lower	Upper
122	116		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.19 min Scan# 1802
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
164	109984		
162	101.8	82.6	123.8
160	46.0	36.2	54.2

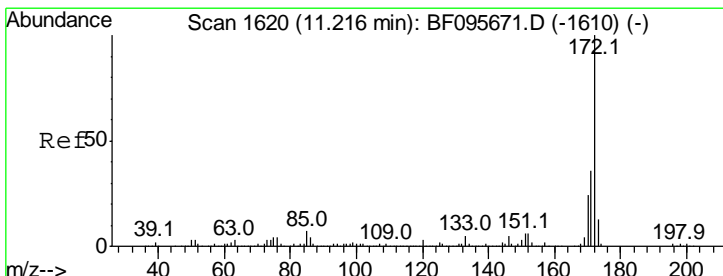
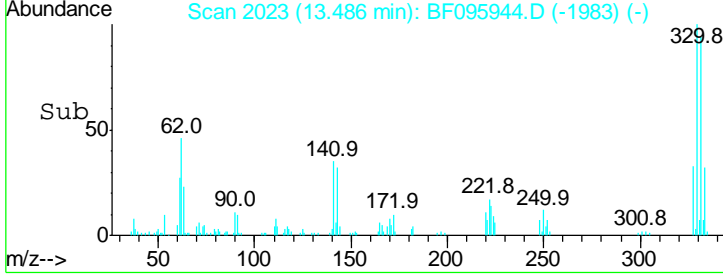
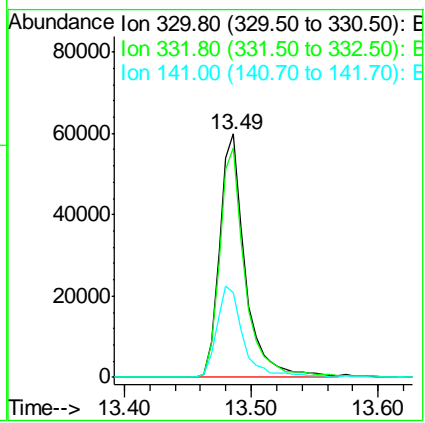
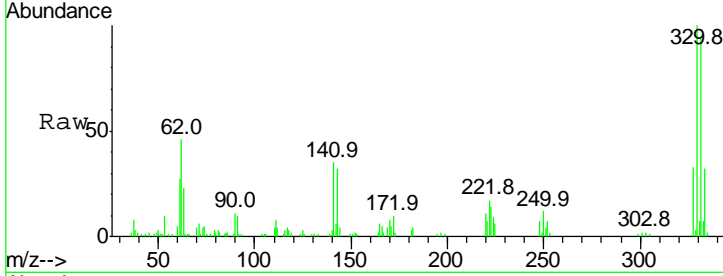




#41
 2,4,6-Tribromophenol
 Concen: 86.76 ng
 RT: 13.49 min Scan# 2023
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

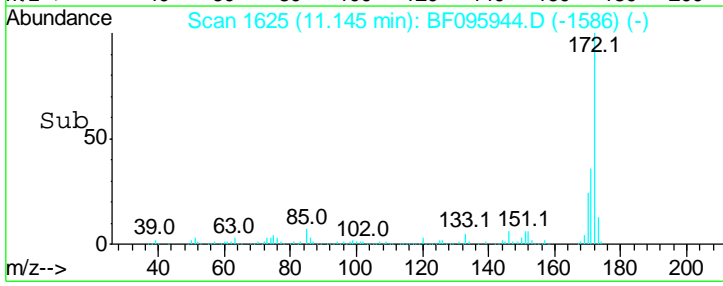
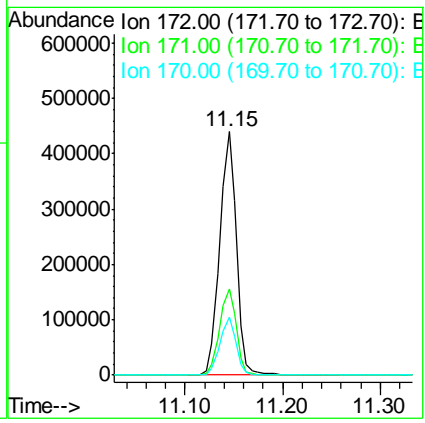
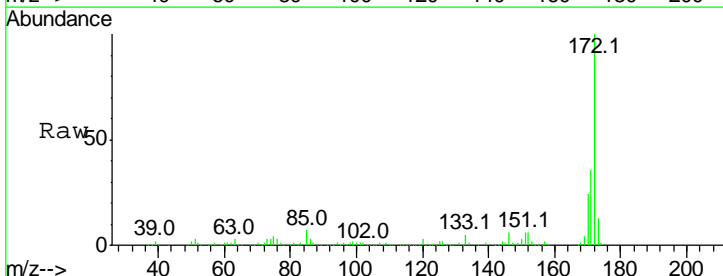
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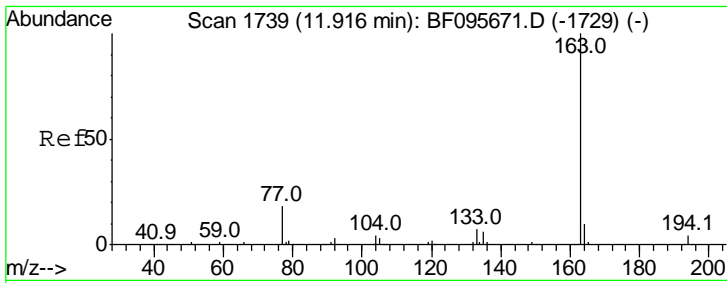
Tgt Ion	Resp	Lower	Upper
330	100		
332	94.1	76.6	115.0
141	38.9	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 66.26 ng
 RT: 11.15 min Scan# 1625
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.9	19.8	29.8

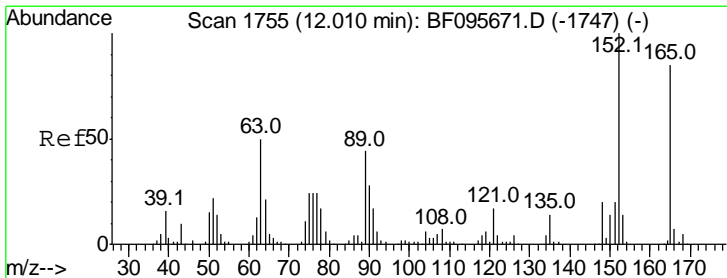
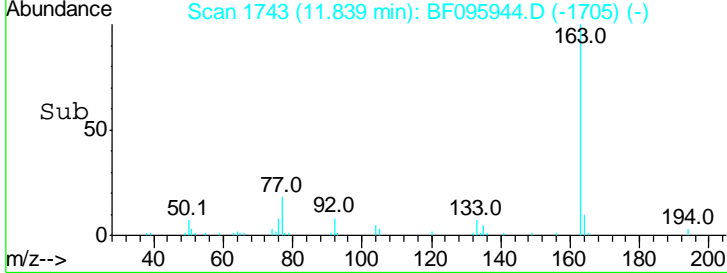
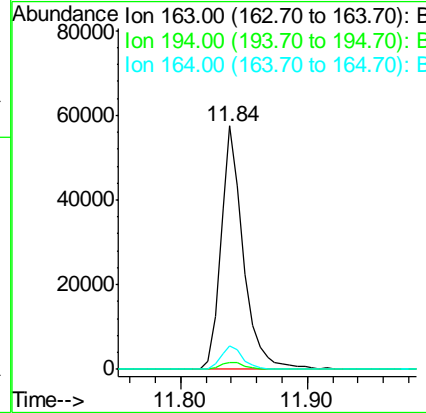
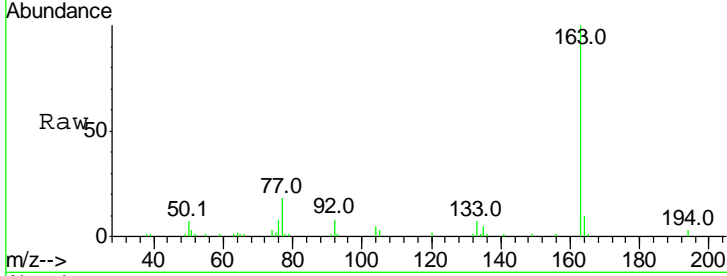




#49
 Dimethylphthalate
 Concen: 8.46 ng
 RT: 11.84 min Scan# 1743
 Delta R.T. -0.08 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

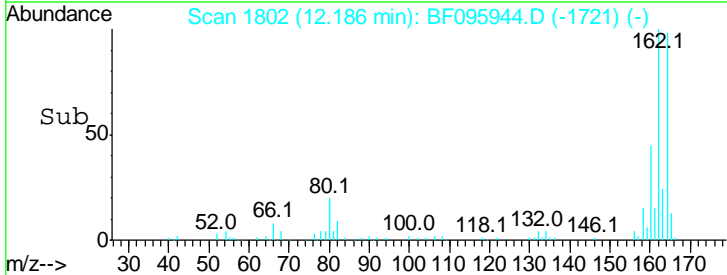
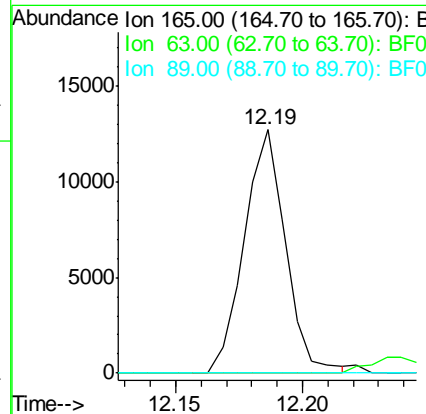
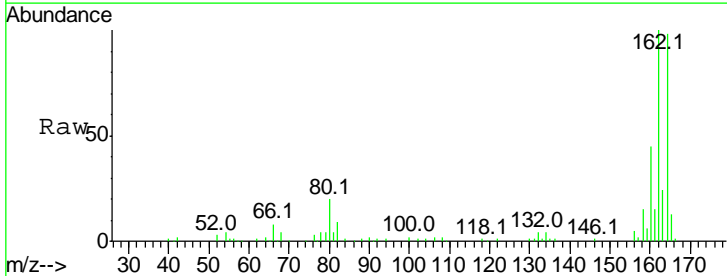
Instrument :
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 ClientSampled :

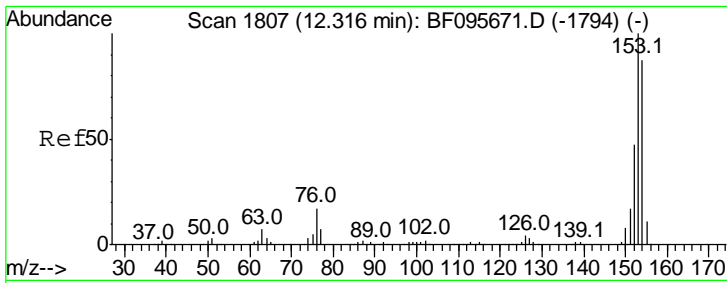
Tgt Ion	Resp	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.6	8.4	12.6



#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 12.19 min Scan# 1802
 Delta R.T. 0.18 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

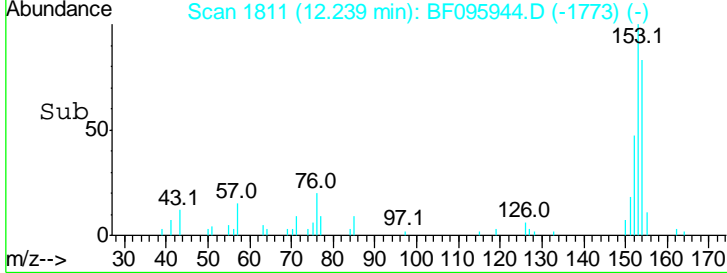
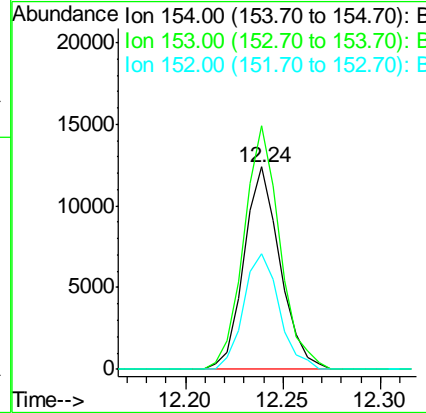
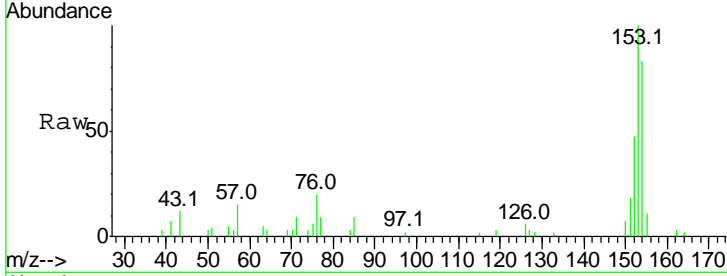




#51
 Acenaphthene
 Concen: 2.27 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.08 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

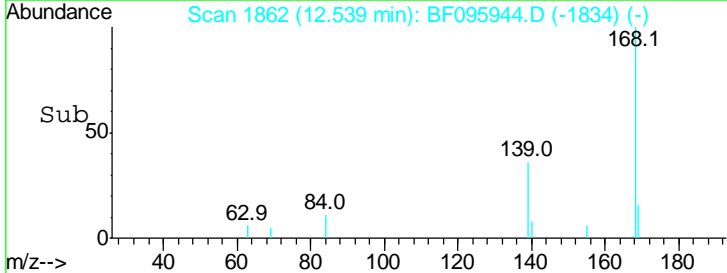
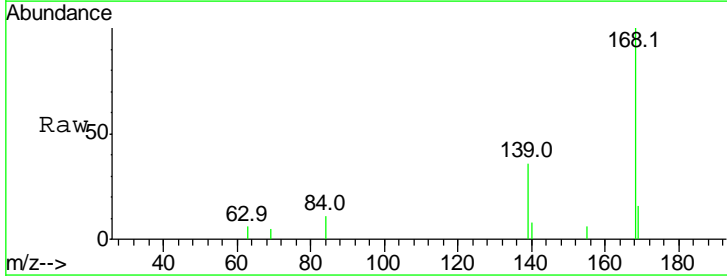
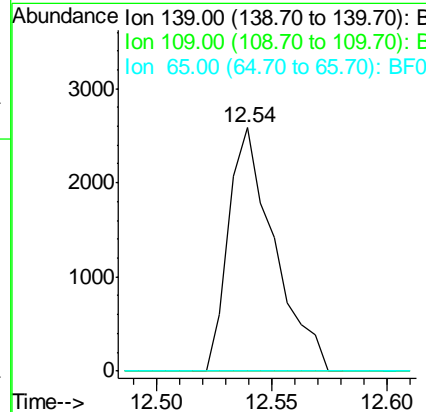
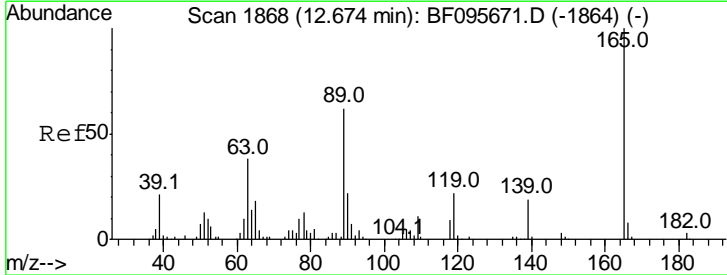
Instrument :
 BNA_F
 ClientSampled :

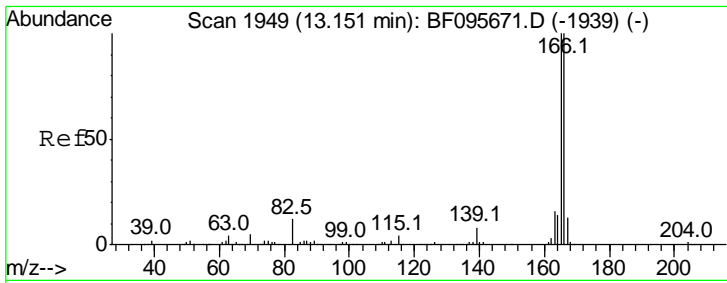
Tgt Ion	Resp	Lower	Upper
154	15882		
153	120.4	90.5	135.7
152	57.1	43.6	65.4



#55
 4-Nitrophenol
 Concen: 7.33 ng
 RT: 12.54 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
139	3557		
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

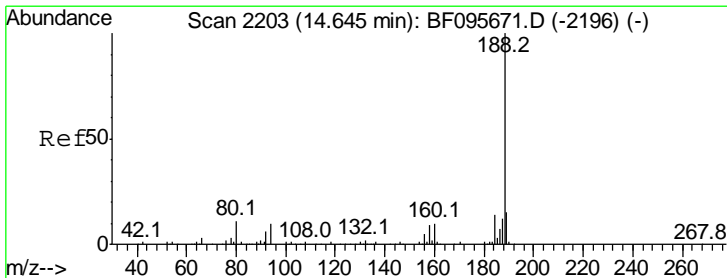
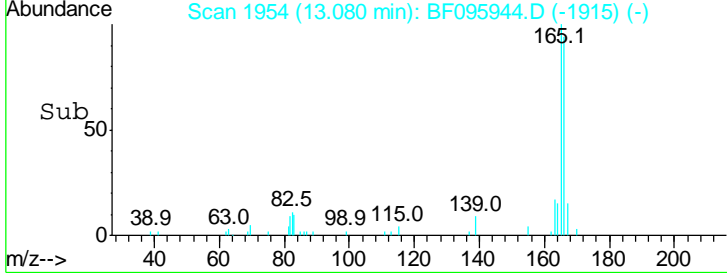
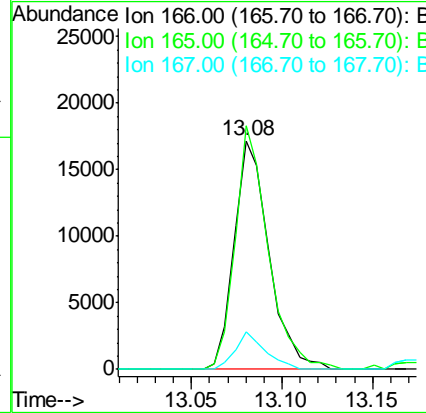
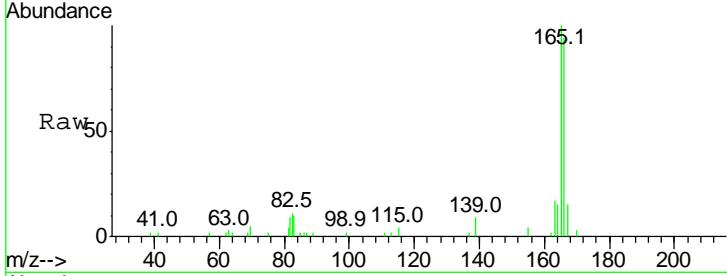




#57
 Fluorene
 Concen: 2.68 ng
 RT: 13.08 min Scan# 1954
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

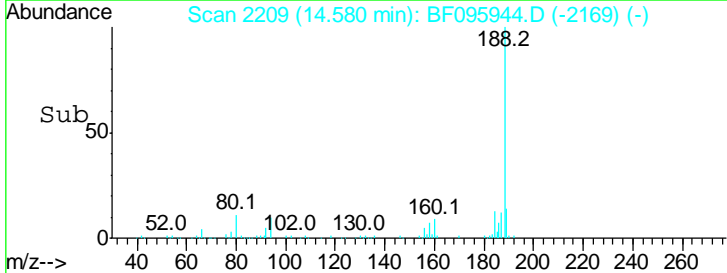
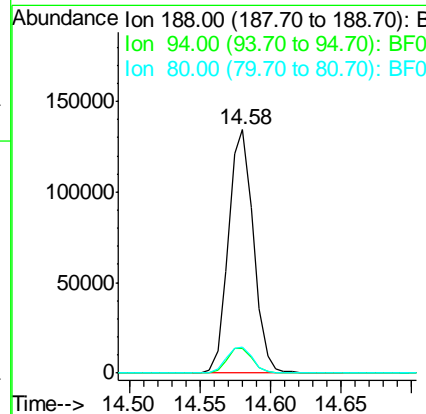
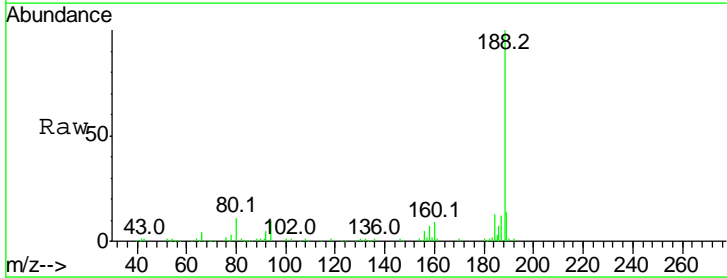
Instrument :
 BNA_F
 ClientSampled :

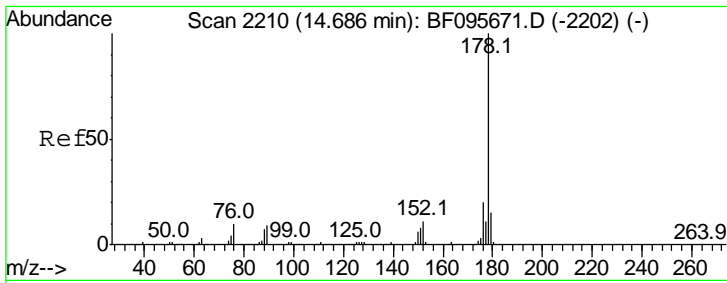
Tgt Ion	Resp	Lower	Upper
166	100		
165	106.5	78.8	118.2
167	16.4	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.58 min Scan# 2209
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.7	10.2	15.2

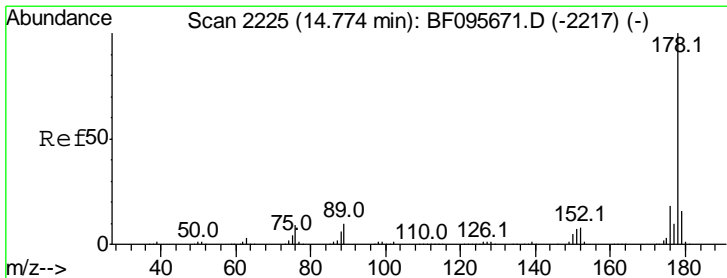
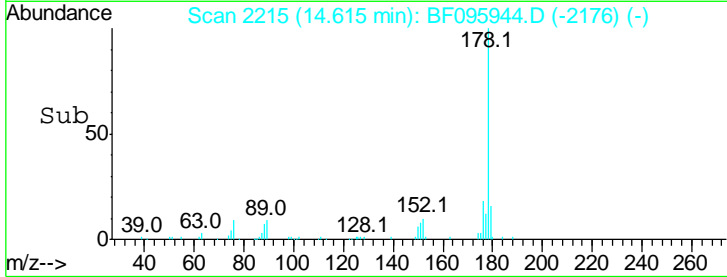
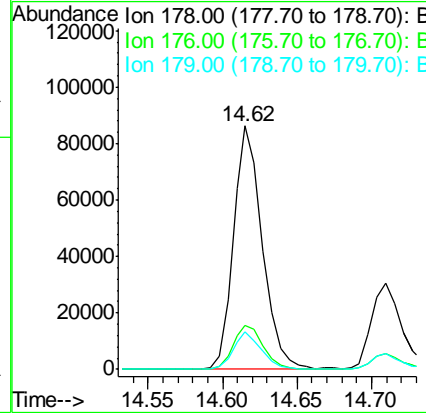
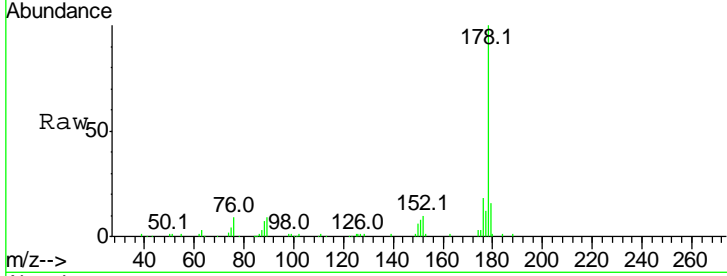




#70
 Phenanthrene
 Concen: 12.24 ng
 RT: 14.62 min Scan# 2215
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

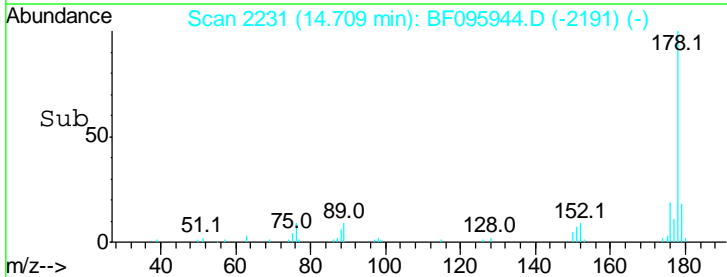
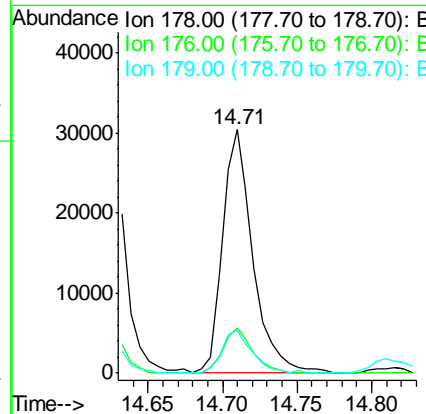
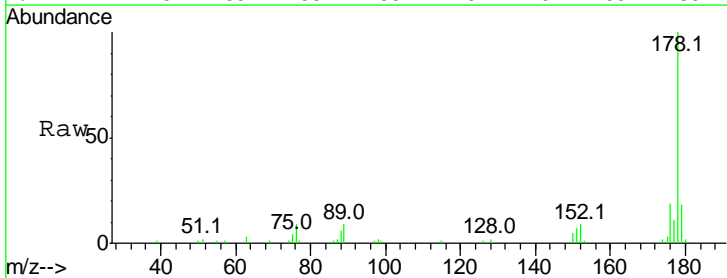
Instrument :
 BNA_F
 ClientSampled :

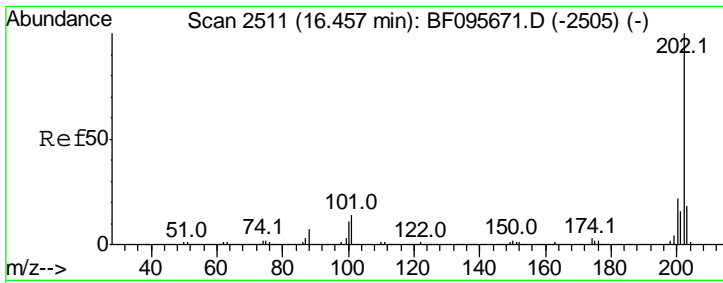
Tgt Ion	Resp	Lower	Upper
178	116476		
176	18.0	16.2	24.4
179	15.7	12.6	19.0



#71
 Anthracene
 Concen: 4.35 ng
 RT: 14.71 min Scan# 2231
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
178	43177		
176	18.8	15.8	23.8
179	17.7	12.7	19.1

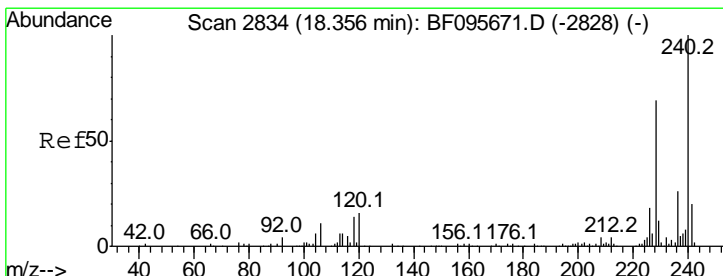
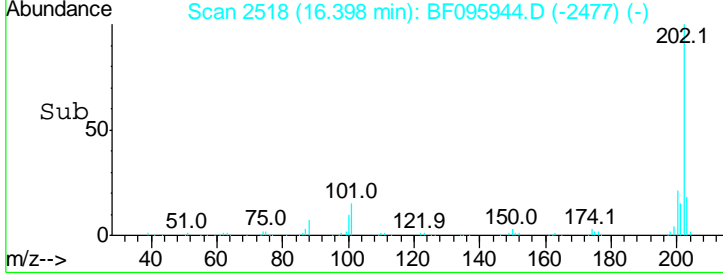
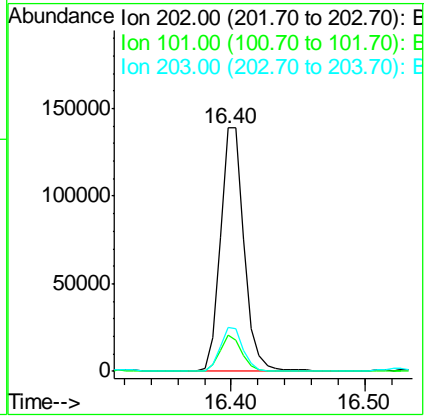
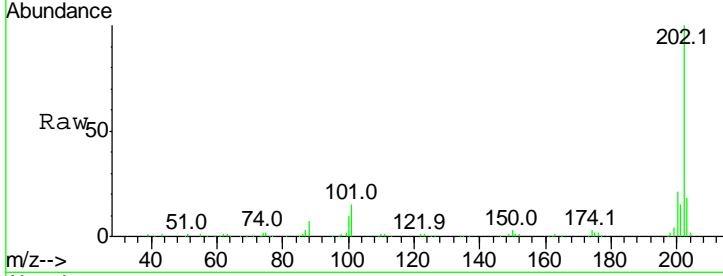




#74
 Fluoranthene
 Concen: 18.48 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

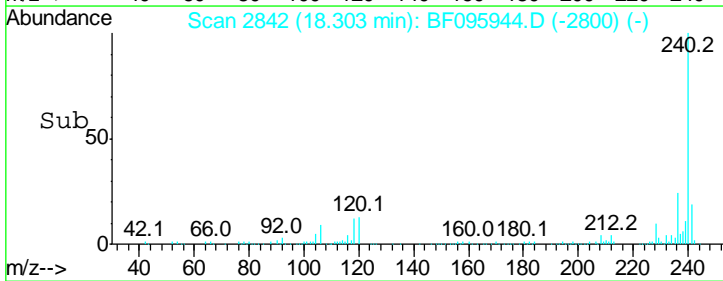
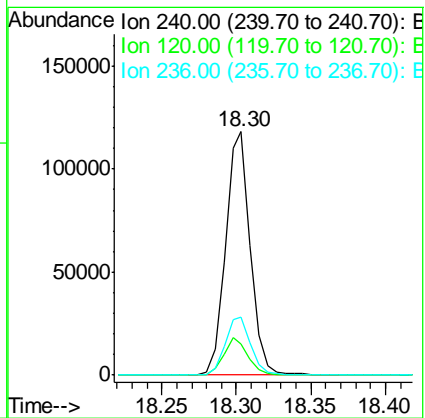
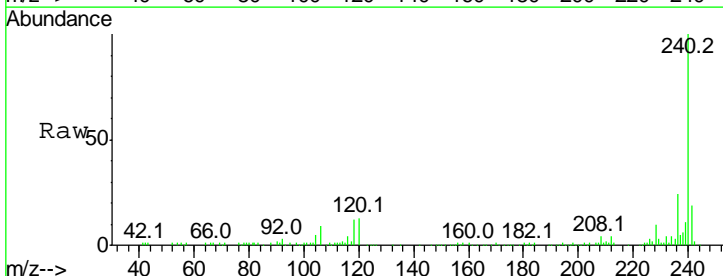
Instrument :
 BNA_F
 ClientSampled :

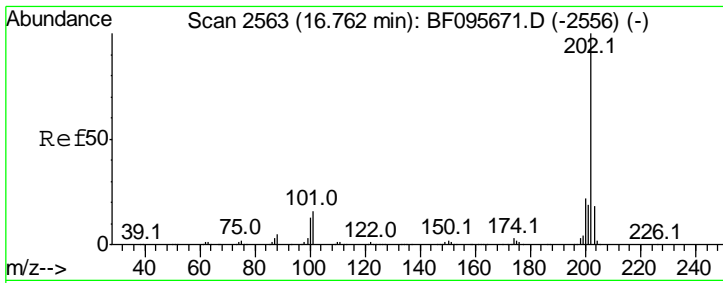
Tgt Ion	Resp	Lower	Upper
202	174064		
101	14.7	0.0	33.2
203	18.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.30 min Scan# 2842
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
240	137372		
120	12.9	5.8	8.8#
236	23.9	20.5	30.7

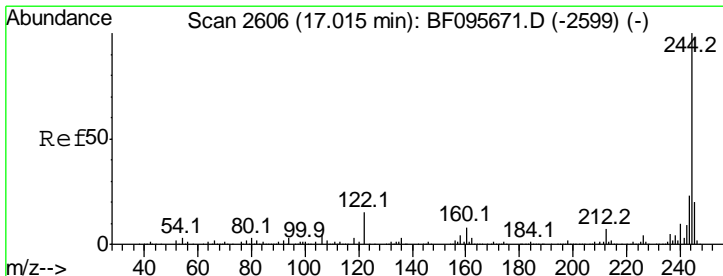
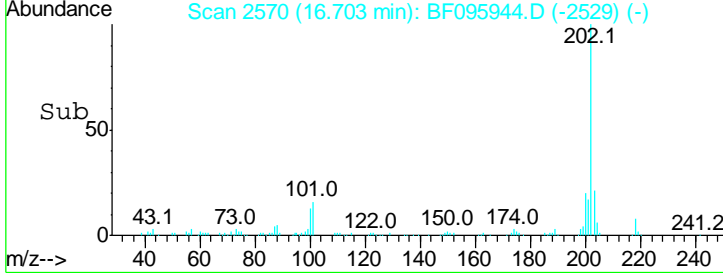
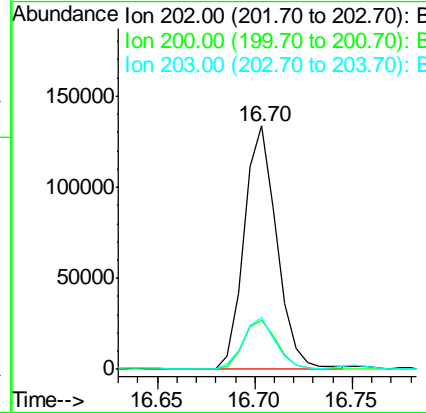
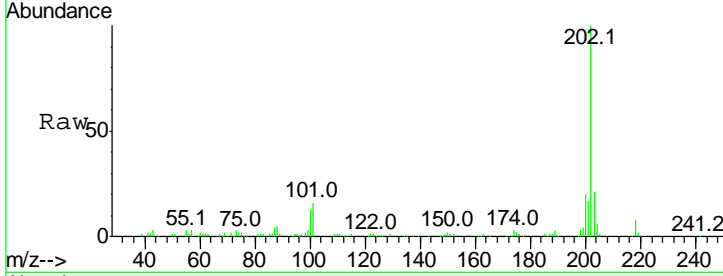




#77
 Pyrene
 Concen: 15.11 ng
 RT: 16.70 min Scan# 2570
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

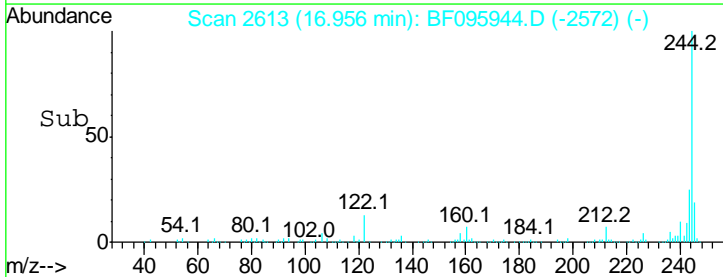
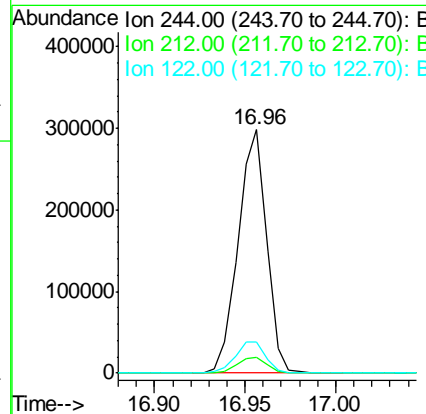
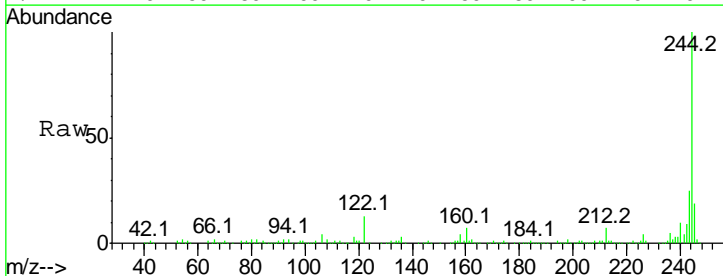
Instrument :
 BNA_F
 ClientSampled :

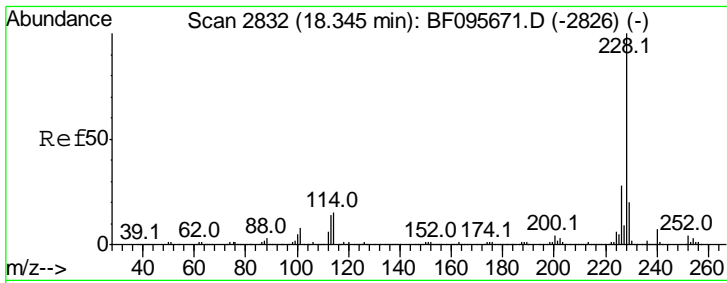
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	20.9	14.4	21.6



#78
 Terphenyl-d14
 Concen: 58.57 ng
 RT: 16.96 min Scan# 2613
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	12.6	10.3	15.5

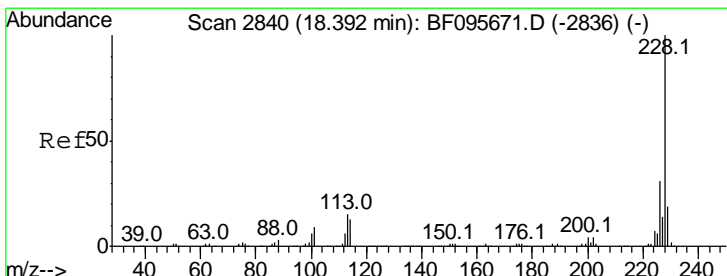
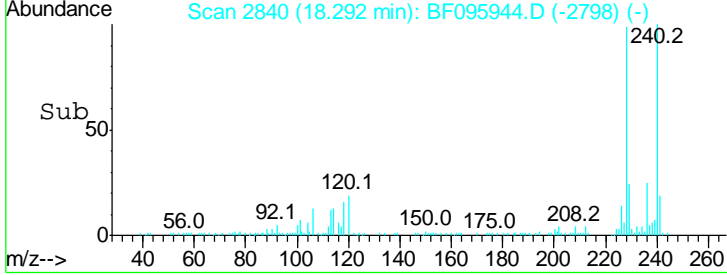
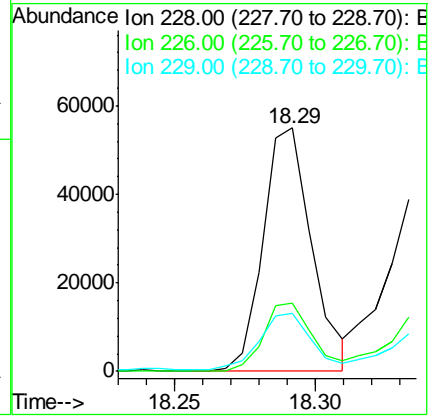
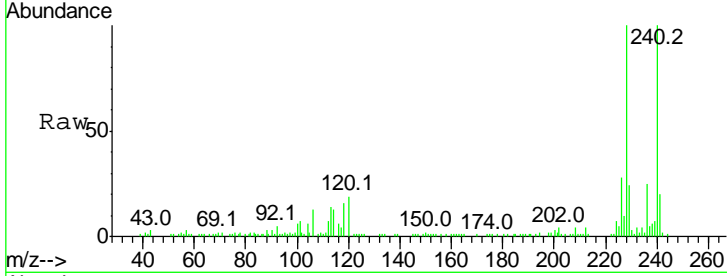




#80
 Benzo(a)anthracene
 Concen: 8.23 ng
 RT: 18.29 min Scan# 2840
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

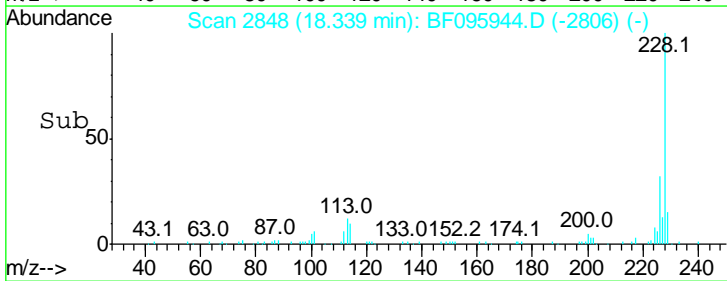
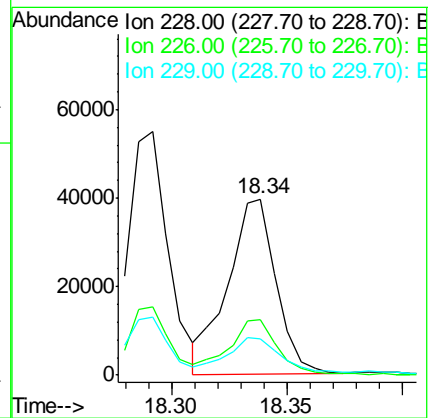
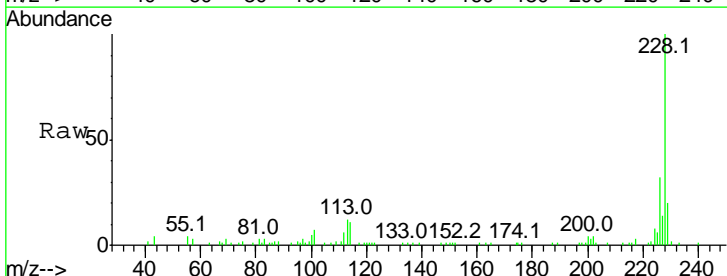
Instrument :
 BNA_F
 ClientSampled :

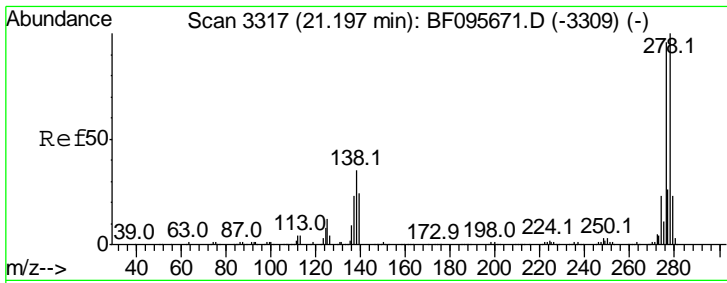
Tgt Ion	Resp	Lower	Upper
228	65741		
226	28.0	22.6	33.8
229	23.8	16.3	24.5



#82
 Chrysene
 Concen: 7.16 ng
 RT: 18.34 min Scan# 2848
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
228	57160		
226	31.8	24.9	37.3
229	20.4	15.8	23.6

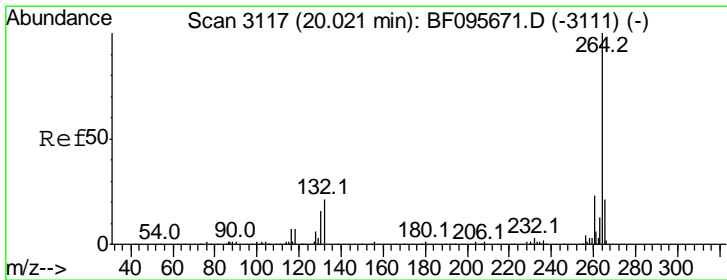
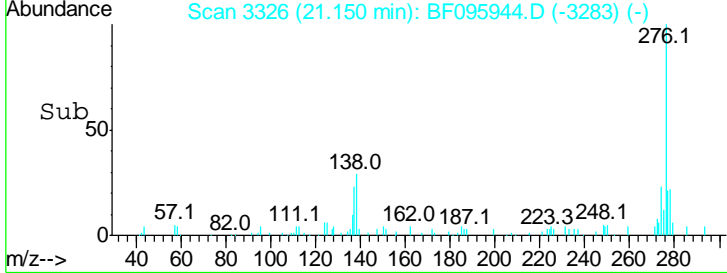
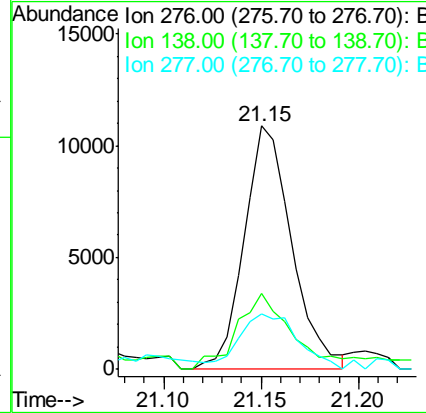
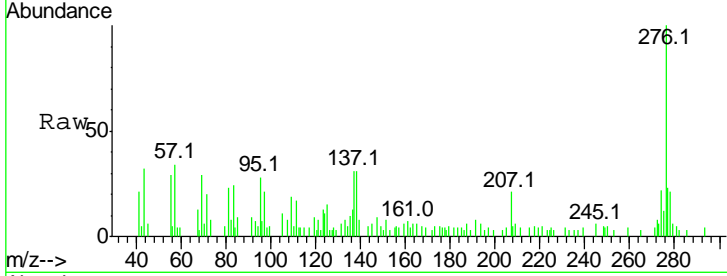




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.70 ng
 RT: 21.15 min Scan# 3326
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

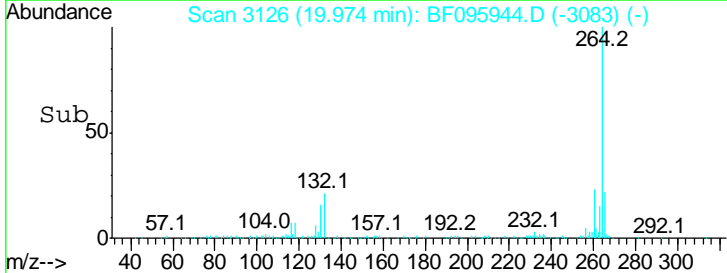
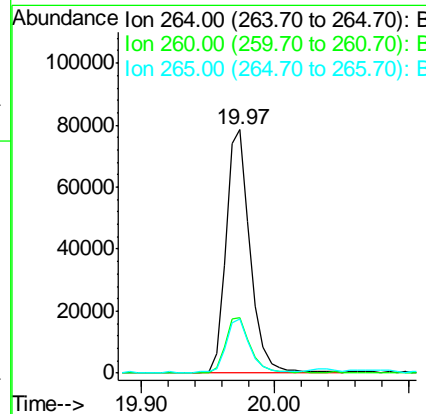
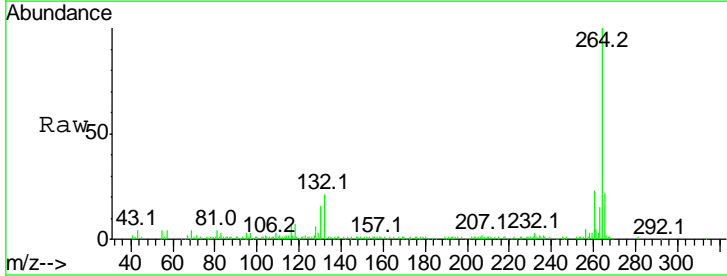
Instrument :
 BNA_F
 ClientSampled :

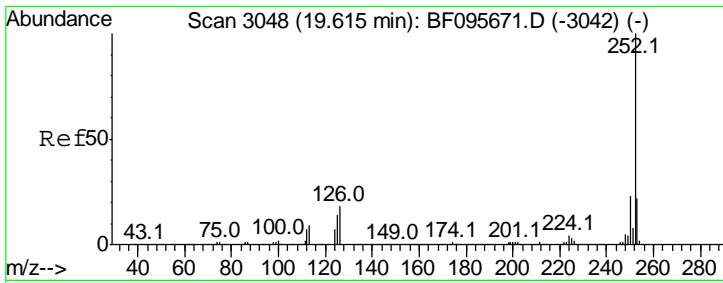
Tgt Ion	Resp	Lower	Upper
276	100		
138	40.1	27.8	41.6
277	28.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3126
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	22.5	17.2	25.8

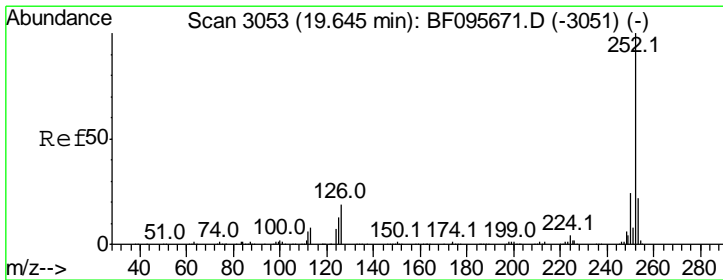
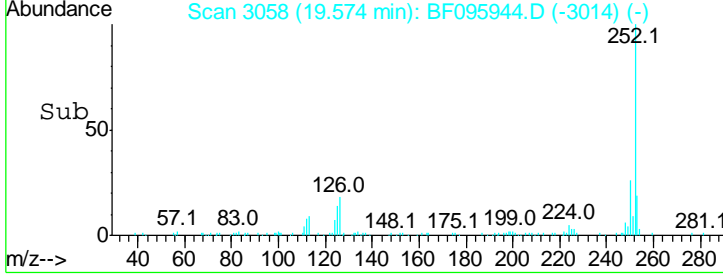
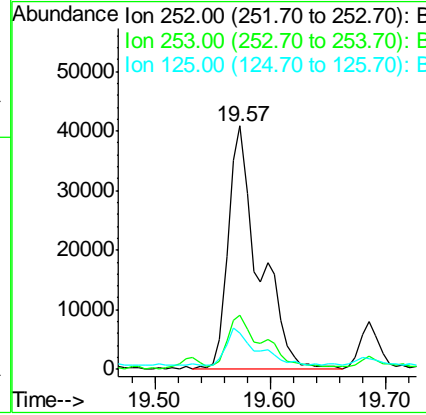
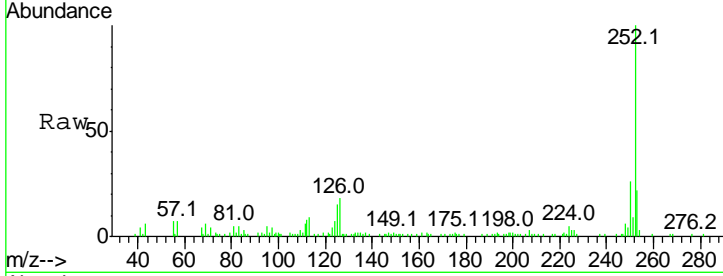




#87
 Benzo(b)fluoranthene
 Concen: 12.10 ng
 RT: 19.57 min Scan# 3058
 Delta R.T. -0.04 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

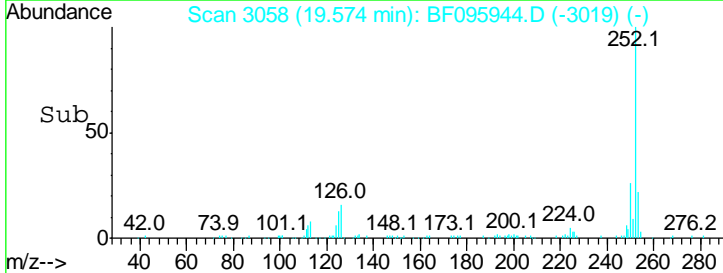
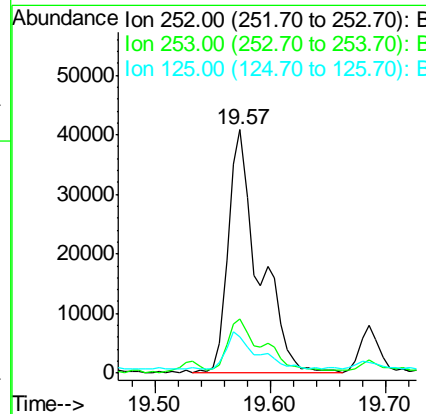
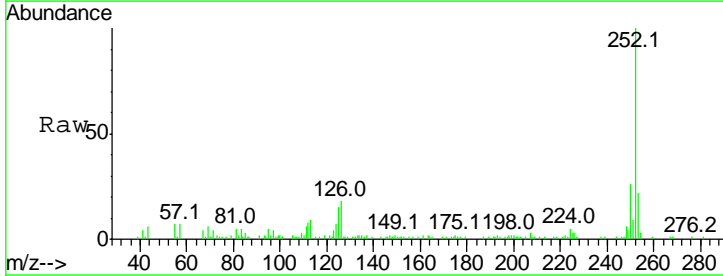
Instrument :
 BNA_F
 ClientSampled :

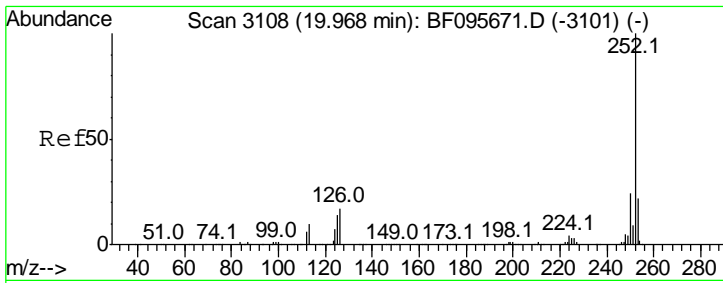
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.0	9.8	14.8#



#88
 Benzo(k)fluoranthene
 Concen: 12.66 ng
 RT: 19.57 min Scan# 3058
 Delta R.T. -0.07 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	15.0	13.1	19.7

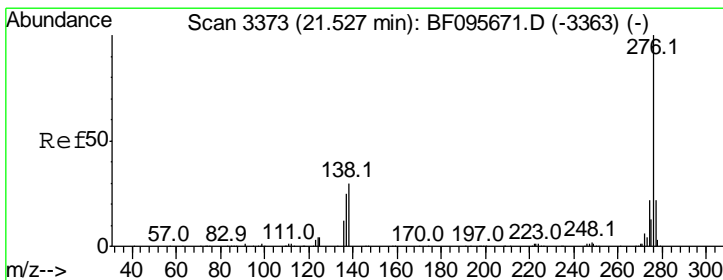
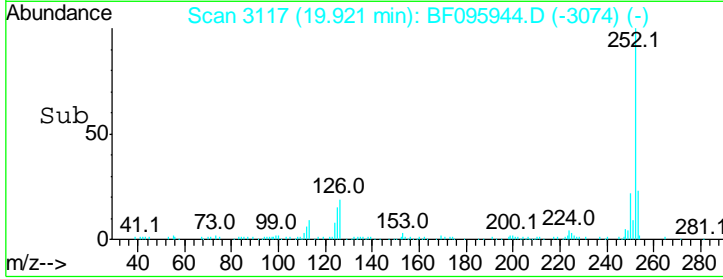
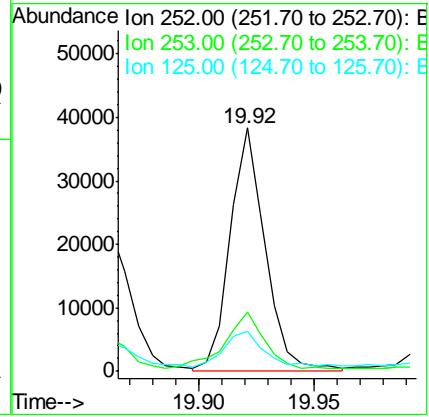
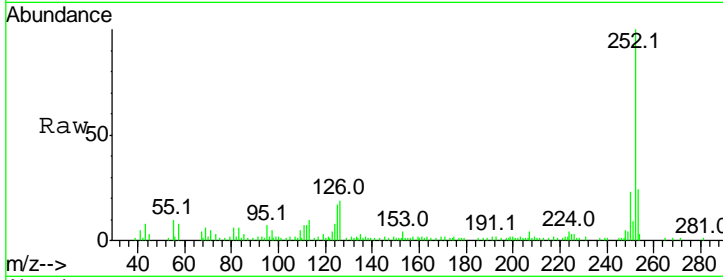




#89
 Benzo(a)pyrene
 Concen: 7.07 ng
 RT: 19.92 min Scan# 3117
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	16.7	11.0	16.4



#91
 Benzo(g,h,i)perylene
 Concen: 3.33 ng
 RT: 21.49 min Scan# 3383
 Delta R.T. -0.04 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Resp	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	31.2	25.4	38.0

