

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078515.D
 Acq On : 14 Apr 2015 22:51
 Operator : TP/IZ
 Sample : G1828-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01A

Quant Time: Apr 15 02:22:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	22035	20.00	ng	0.00
21) Naphthalene-d8	8.38	136	93505	20.00	ng	-0.01
38) Acenaphthene-d10	10.54	164	49095	20.00	ng	0.00
63) Phenanthrene-d10	12.36	188	101740	20.00	ng	0.00
75) Chrysene-d12	15.63	240	109815	20.00	ng	-0.02
86) Perylene-d12	17.35	264	117521	20.00	ng	-0.14

System Monitoring Compounds

5) 2-Fluorophenol	5.05	112	123189	92.18	ng	0.00
7) Phenol-d6	6.41	99	199625	119.19	ng	0.00
23) Nitrobenzene-d5	7.51	82	124894	80.96	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	56156	137.92	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	257442	74.96	ng	0.00
78) Terphenyl-d14	14.35	244	354927	73.03	ng	0.00

Target Compounds

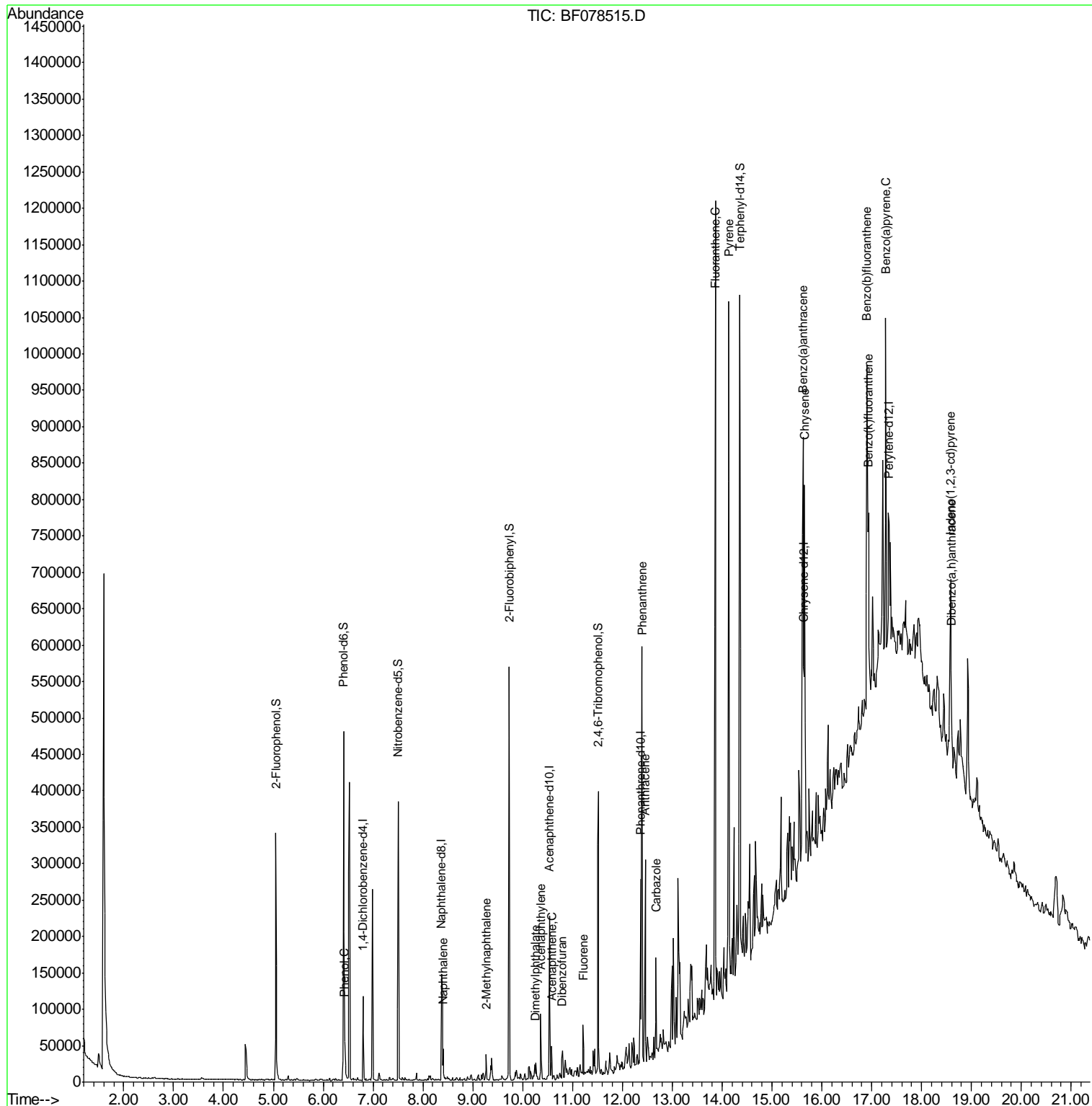
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.43	94	4832	2.41	ng	# 70
31) Naphthalene	8.41	128	21290	4.37	ng	99
37) 2-Methylnaphthalene	9.27	142	10193	3.08	ng	97
48) Acenaphthylene	10.36	152	38816	7.61	ng	99
49) Dimethylphthalate	10.25	163	11489	3.11	ng	# 95
51) Acenaphthene	10.58	154	11870	4.13	ng	97
54) Dibenzofuran	10.80	168	19183	4.37	ng	94
57) Fluorene	11.21	166	22542	6.34	ng	96
70) Phenanthrene	12.40	178	335283	56.97	ng	98
71) Anthracene	12.46	178	117638	20.29	ng	99
72) Carbazole	12.67	167	57690	10.61	ng	100
74) Fluoranthene	13.86	202	510986	82.33	ng	93
77) Pyrene	14.14	202	449287	65.17	ng	97
80) Benzo(a)anthracene	15.62	228	277327	42.45	ng	98
82) Chrysene	15.66	228	241184	39.29	ng	97
85) Indeno(1,2,3-cd)pyrene	18.58	276	157118m	22.56	ng	
87) Benzo(b)fluoranthene	16.90	252	339850	46.79	ng	# 92
88) Benzo(k)fluoranthene	16.94	252	98481m	15.26	ng	
89) Benzo(a)pyrene	17.28	252	229936	36.27	ng	# 92
90) Dibenzo(a,h)anthracene	18.59	278	35873m	5.65	ng	

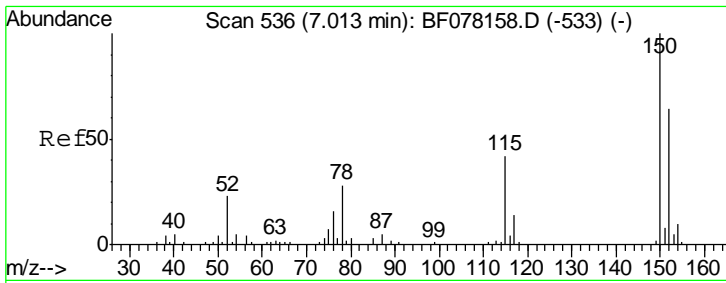
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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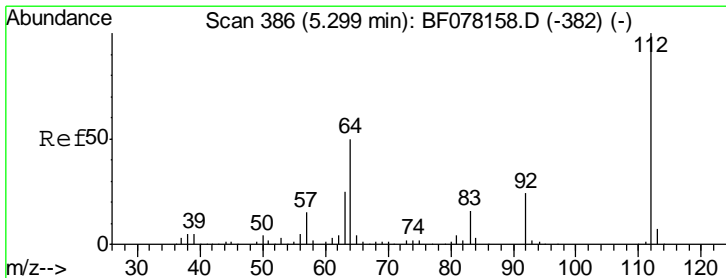
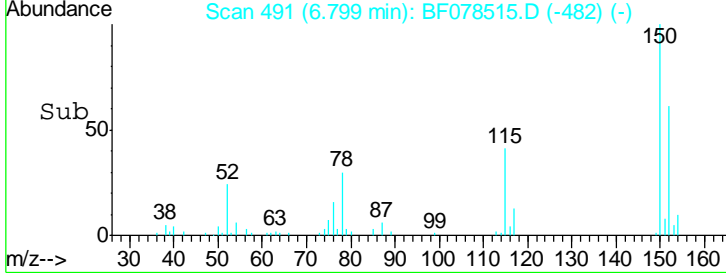
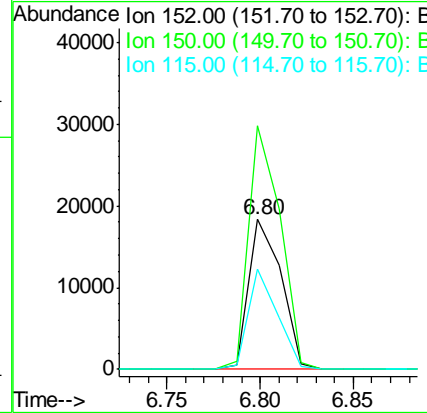
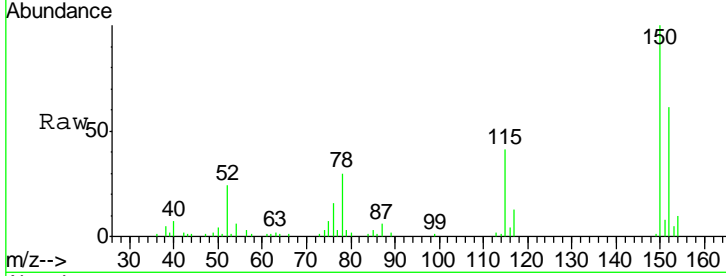




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

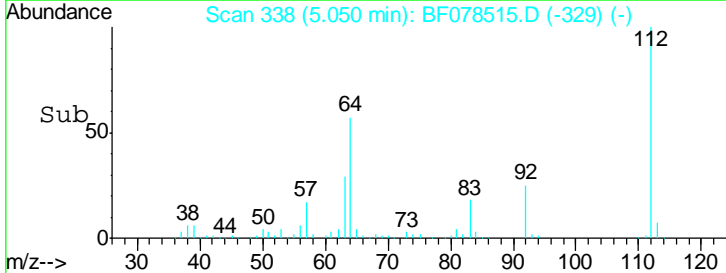
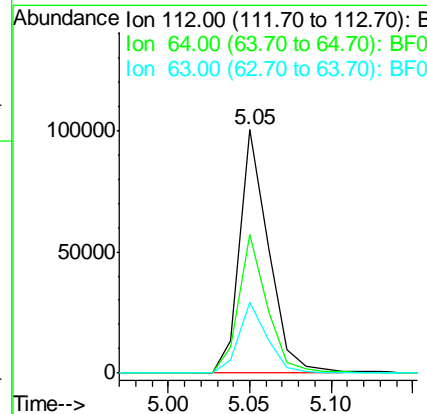
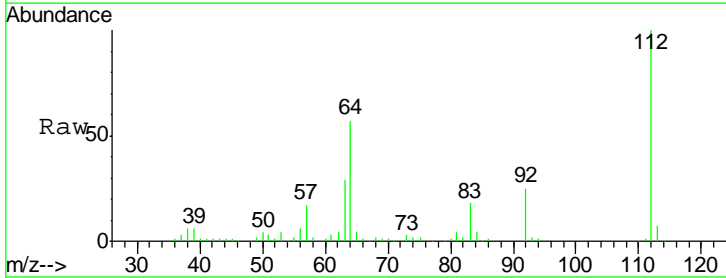
Instrument :
 BNA_F
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 HS-SB01A

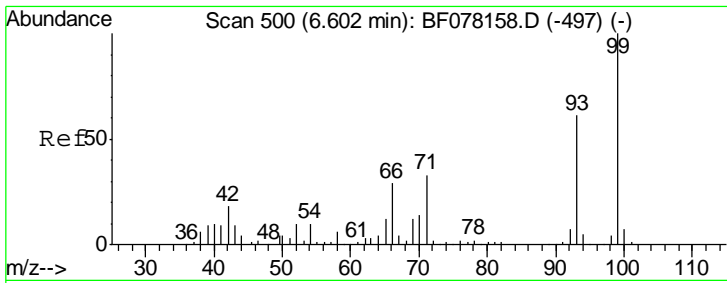
Tgt Ion	Resp	Lower	Upper
152	22035		
150	162.7	125.9	188.9
115	67.2	52.7	79.1



#5
 2-Fluorophenol
 Concen: 92.18 ng
 RT: 5.05 min Scan# 338
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
112	123189		
64	57.1	39.9	59.9
63	29.1	20.2	30.4

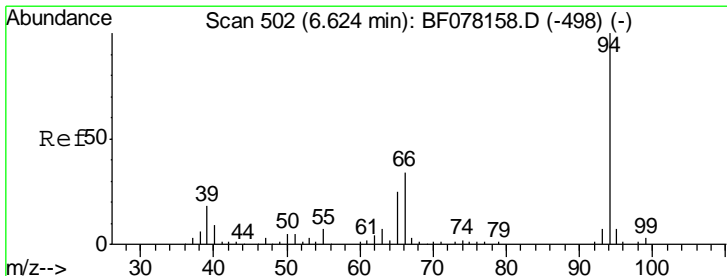
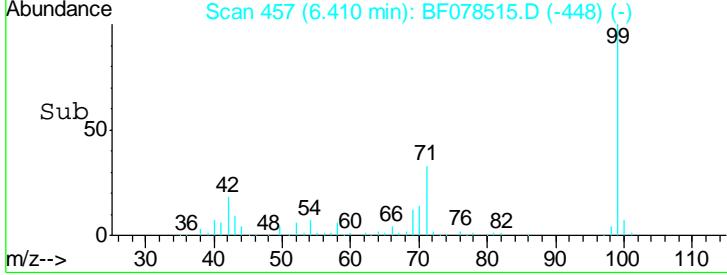
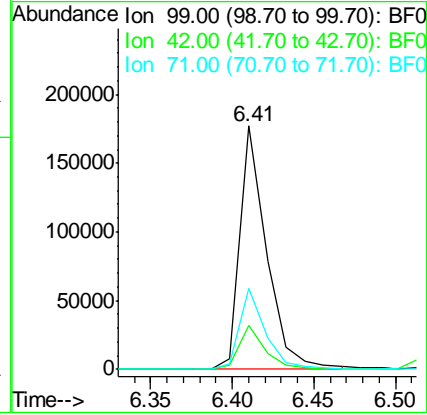
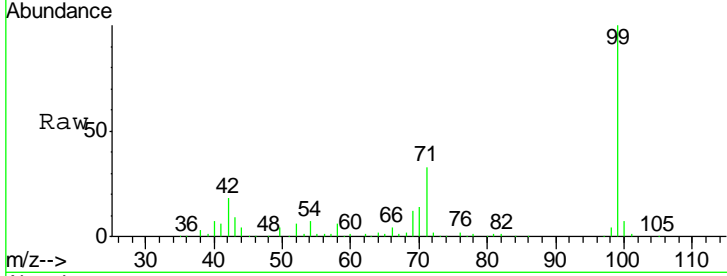




#7
 Phenol-d6
 Concen: 119.19 ng
 RT: 6.41 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

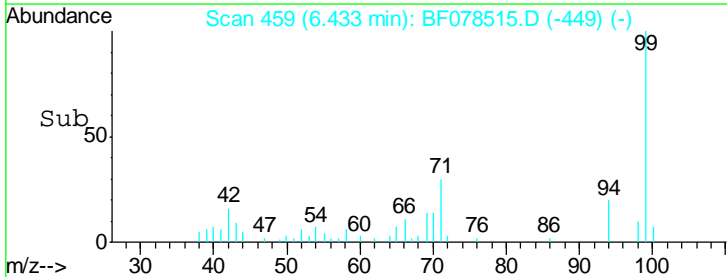
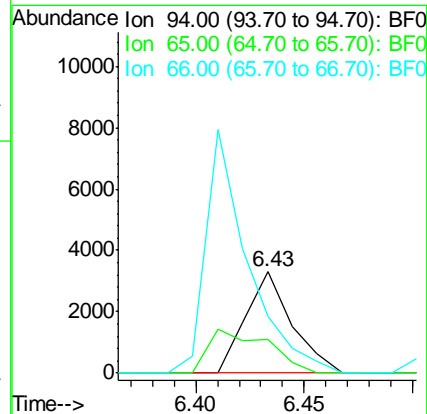
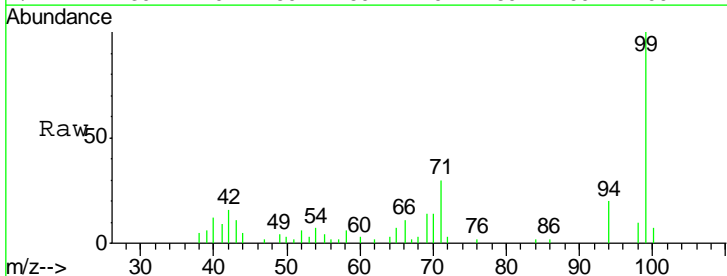
Instrument :
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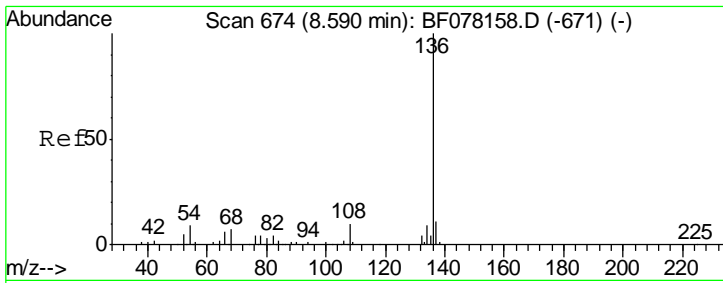
Tgt Ion	Resp	Lower	Upper
99	199625		
42	17.9	14.8	22.2
71	33.5	26.6	39.8



#10
 Phenol
 Concen: 2.41 ng
 RT: 6.43 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
94	4832		
94	100		
65	33.2	4.9	44.9
66	56.7	13.8	53.8#

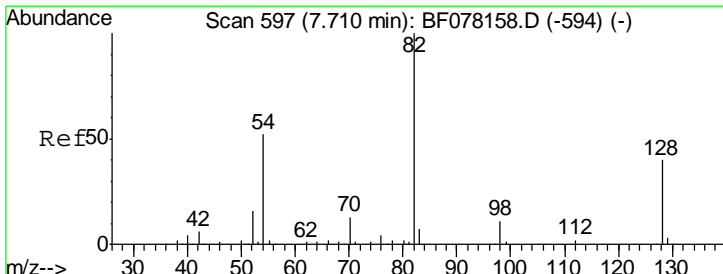
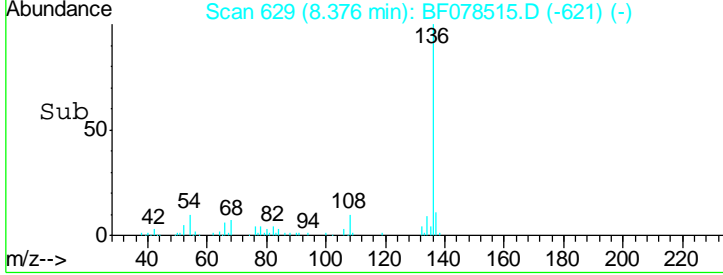
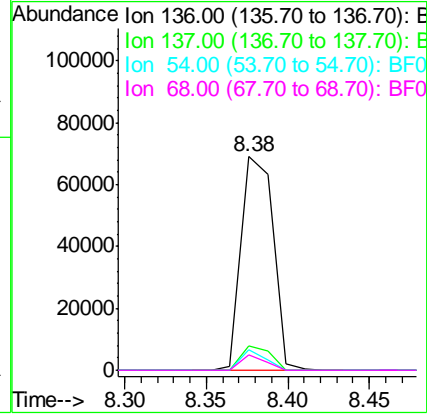
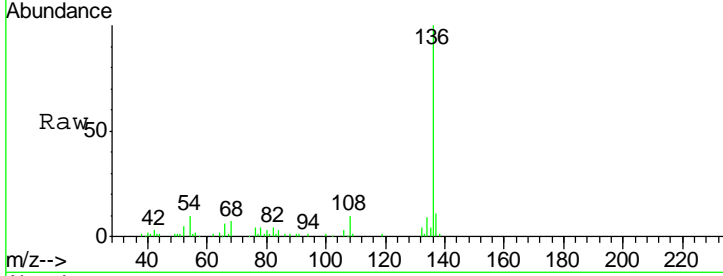




#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.38 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

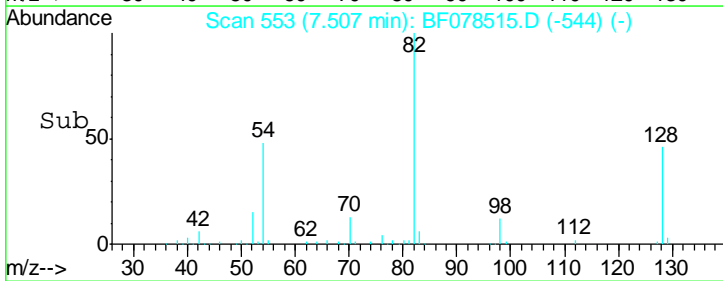
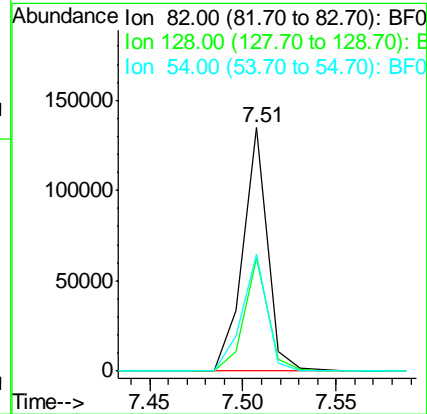
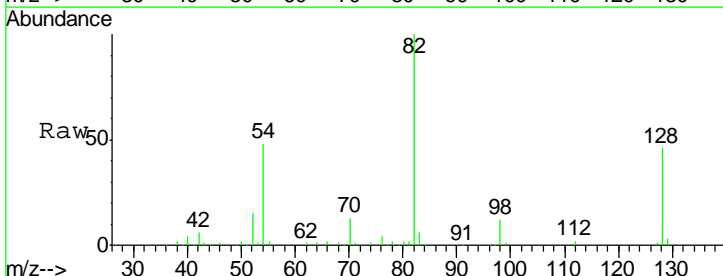
Instrument :
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 HS-SB01A

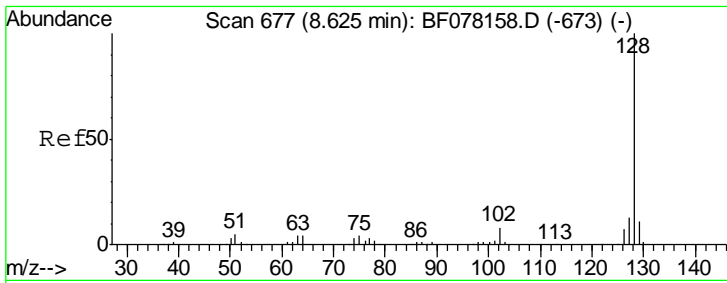
Tgt Ion	Resp	Lower	Upper
136	93505		
137	11.4	9.0	13.4
54	9.5	7.0	10.6
68	7.0	5.4	8.2



#23
 Nitrobenzene-d5
 Concen: 80.96 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
82	124894		
128	46.3	31.8	47.8
54	48.0	41.5	62.3

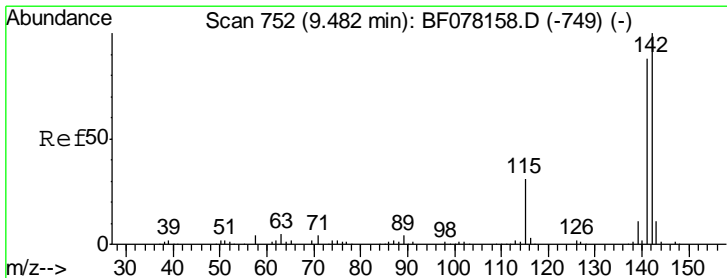
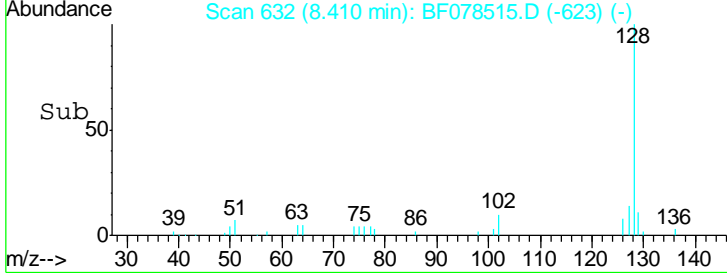
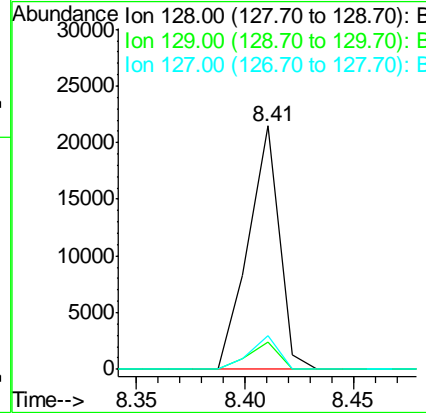
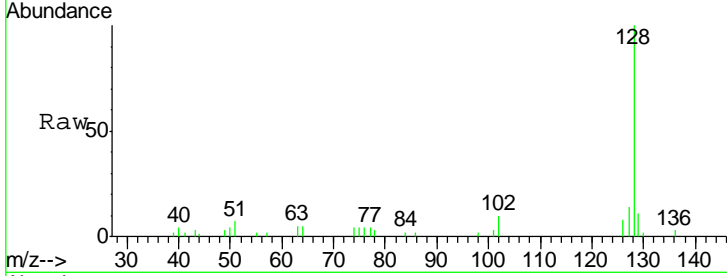




#31
 Naphthalene
 Concen: 4.37 ng
 RT: 8.41 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

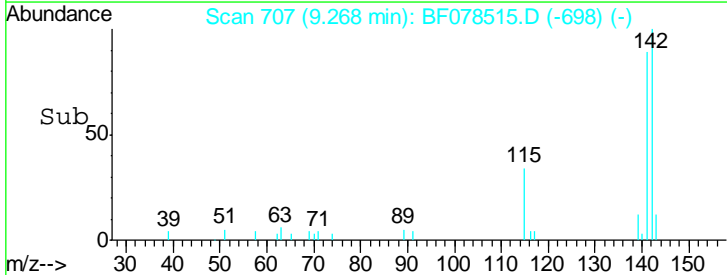
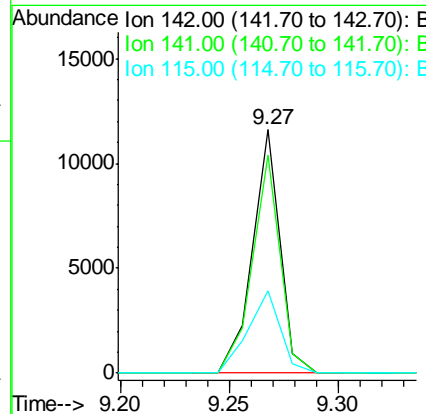
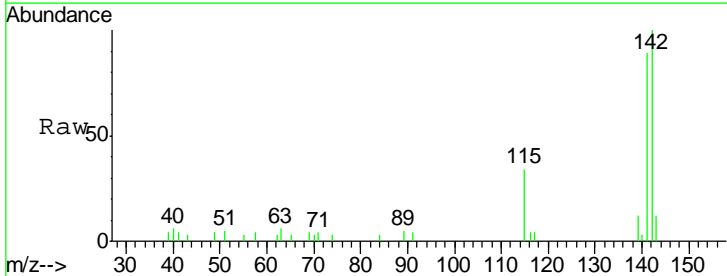
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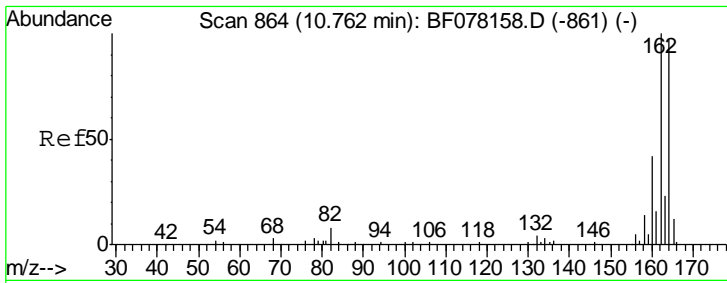
Tgt Ion	Resp	Lower	Upper
128	21290		
129	11.0	8.6	12.8
127	13.8	10.7	16.1



#37
 2-Methylnaphthalene
 Concen: 3.08 ng
 RT: 9.27 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
142	10193		
141	89.3	70.3	105.5
115	33.8	24.6	37.0

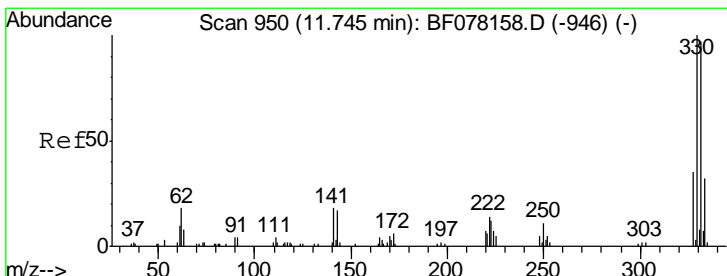
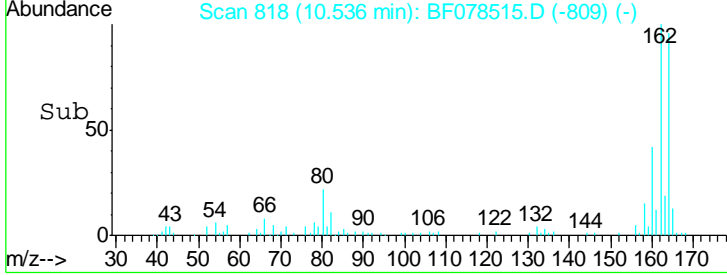
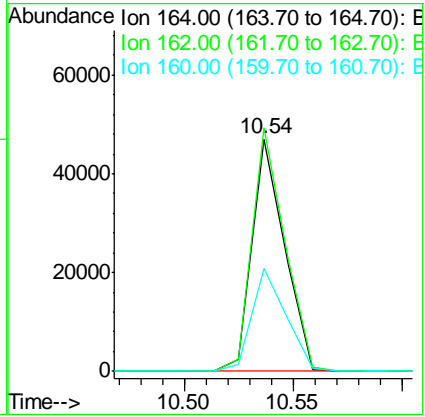
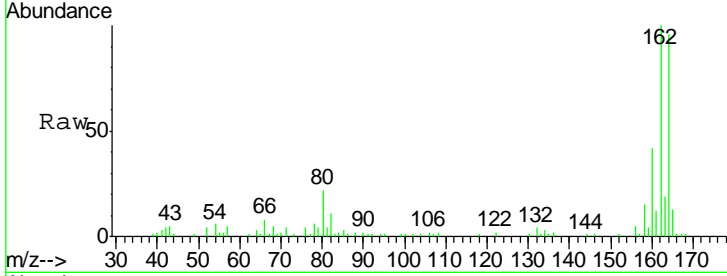




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

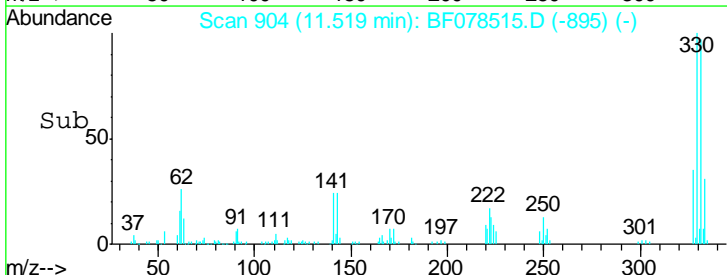
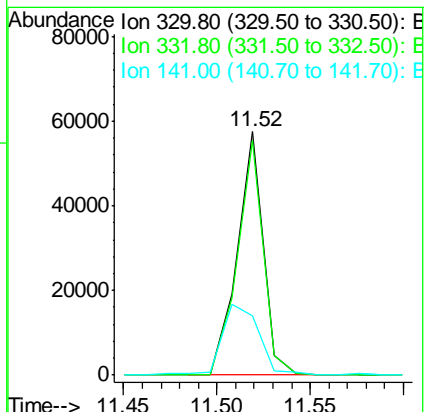
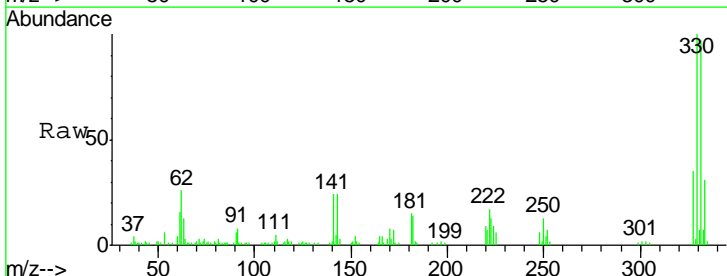
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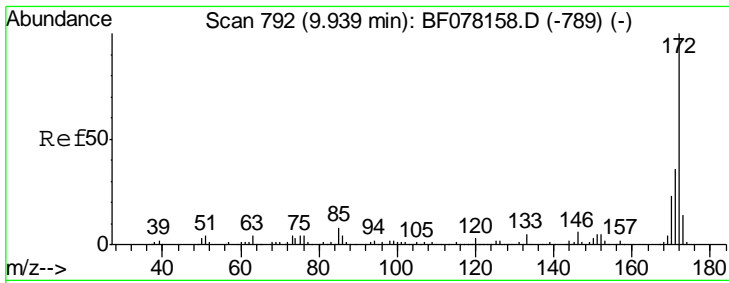
Tgt Ion	Resp	Lower	Upper
164	100		
162	104.7	82.2	123.2
160	44.4	34.7	52.1



#41
 2,4,6-Tribromophenol
 Concen: 137.92 ng
 RT: 11.52 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.3	78.6	117.8
141	41.6	31.2	46.8

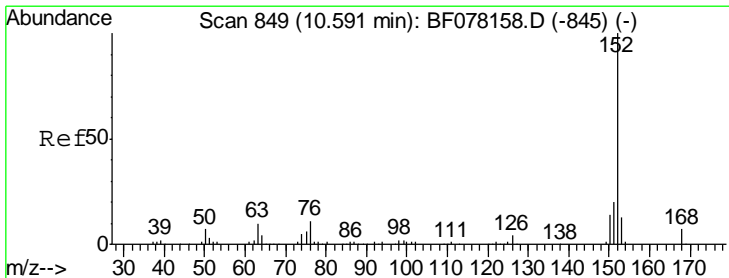
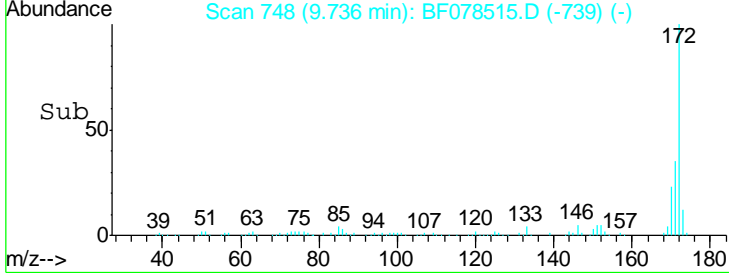
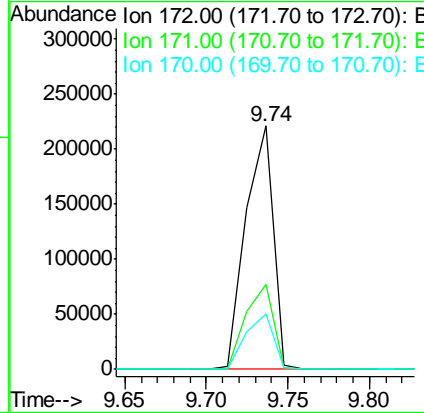
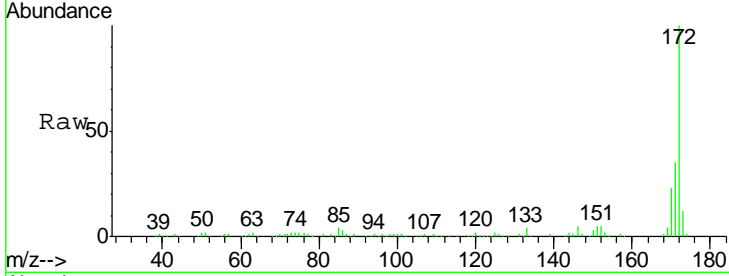




#44
 2-Fluorobiphenyl
 Concen: 74.96 ng
 RT: 9.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

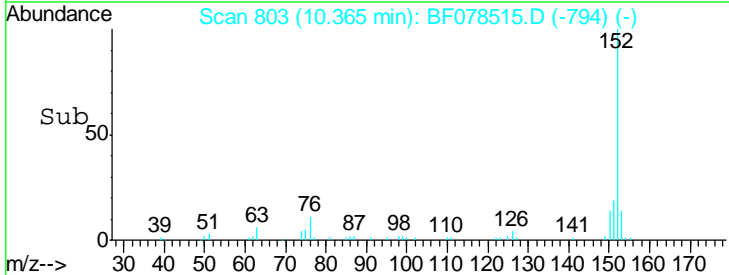
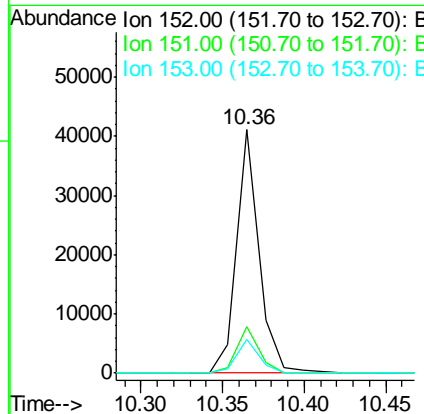
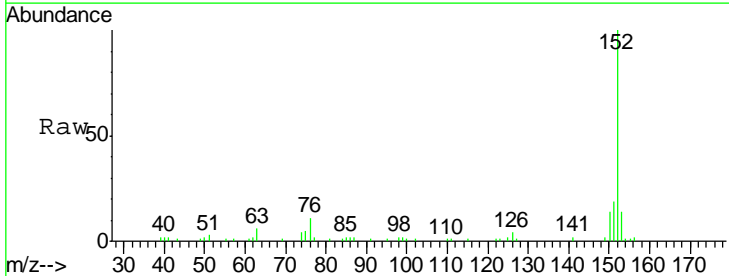
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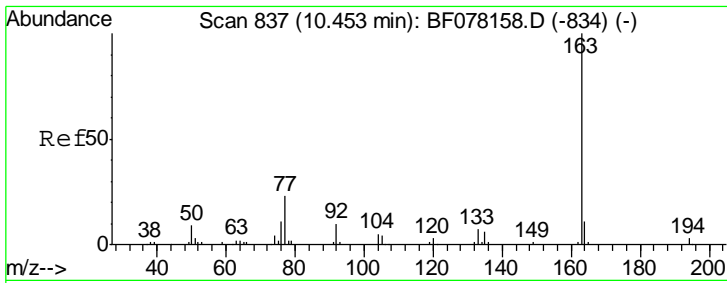
Tgt Ion	Resp	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	22.6	18.5	27.7



#48
 Acenaphthylene
 Concen: 7.61 ng
 RT: 10.36 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	13.7	10.2	15.2

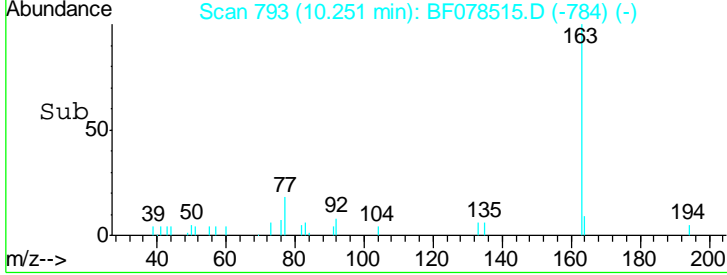
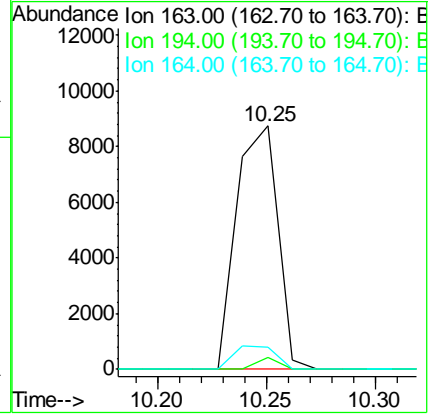
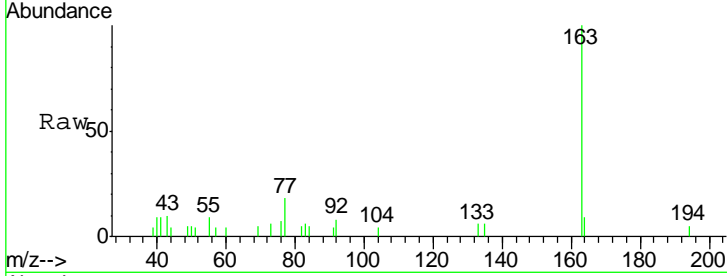




#49
 Dimethylphthalate
 Concen: 3.11 ng
 RT: 10.25 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

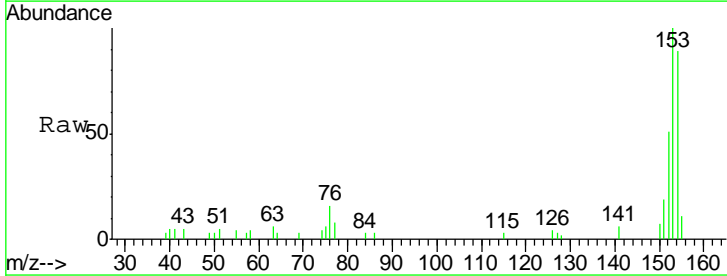
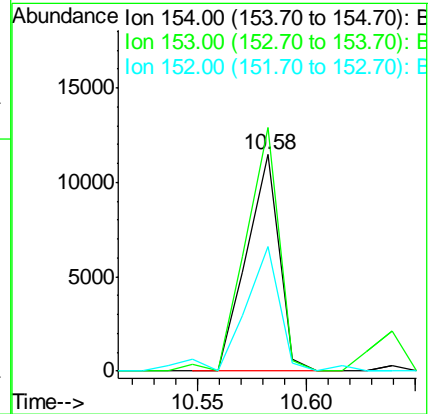
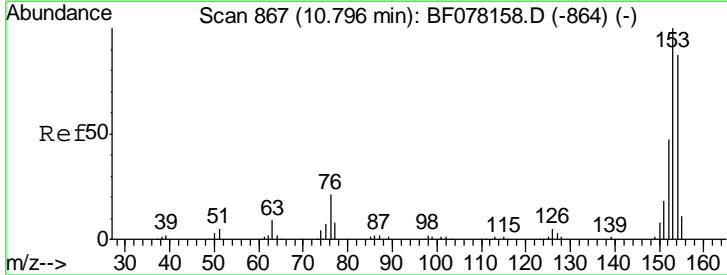
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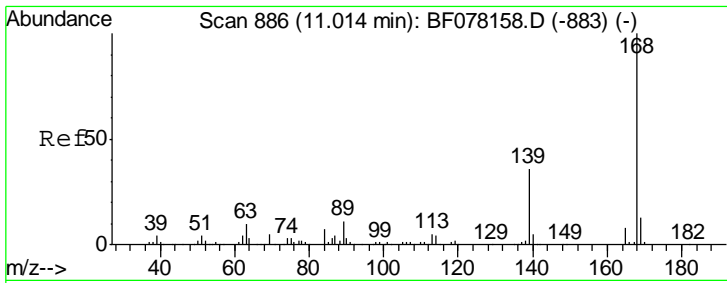
Tgt Ion	Resp	Lower	Upper
163	11489		
194	4.8	2.3	3.5#
164	9.2	8.6	13.0



#51
 Acenaphthene
 Concen: 4.13 ng
 RT: 10.58 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
154	11870		
153	112.5	91.4	137.2
152	57.4	43.0	64.6

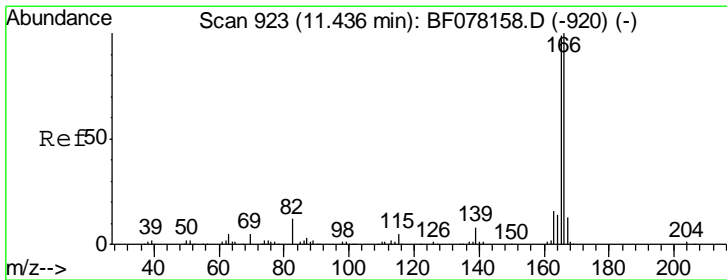
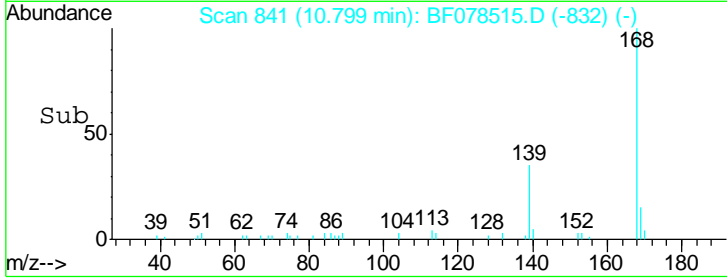
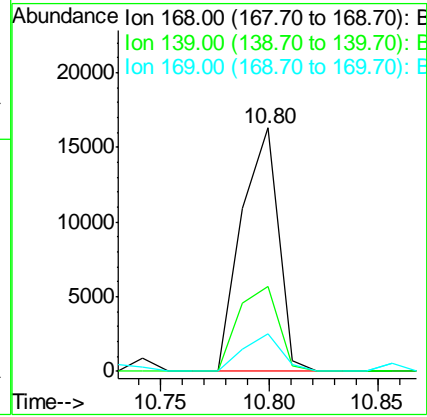
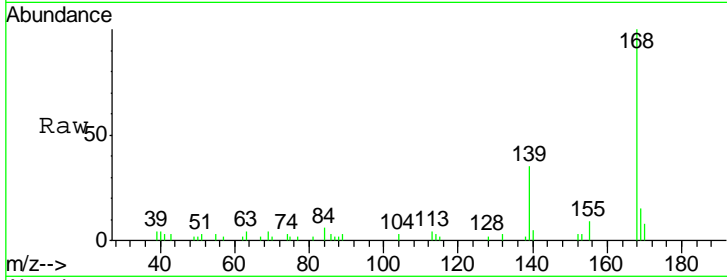




#54
 Dibenzofuran
 Concen: 4.37 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

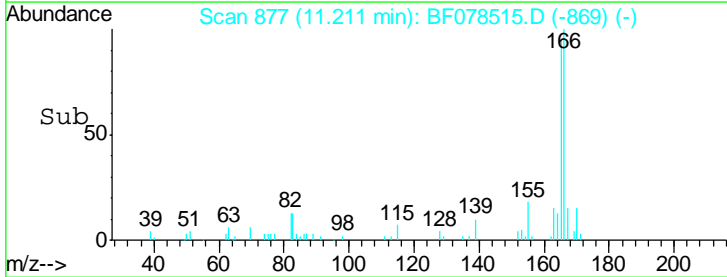
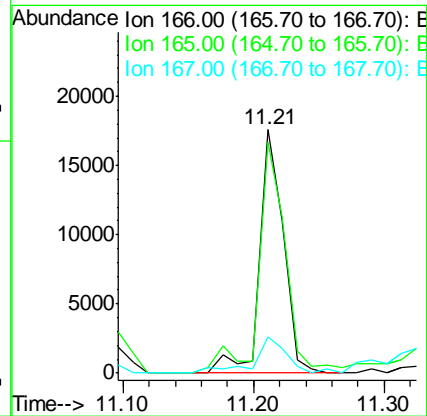
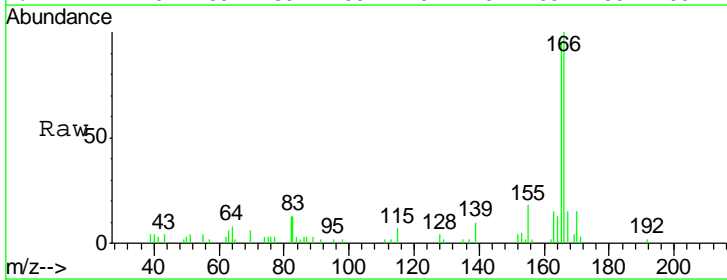
Instrument :
 BNA_F
 ClientSampled :
 HS-SB01A

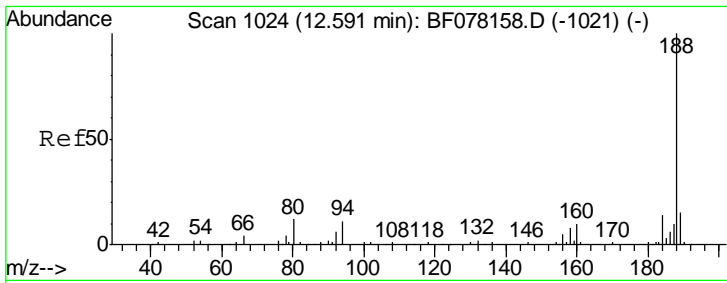
Tgt Ion	Resp	Lower	Upper
168	19183		
139	34.9	31.0	46.4
169	15.2	10.7	16.1



#57
 Fluorene
 Concen: 6.34 ng
 RT: 11.21 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
166	22542		
165	94.9	78.9	118.3
167	14.8	10.7	16.1

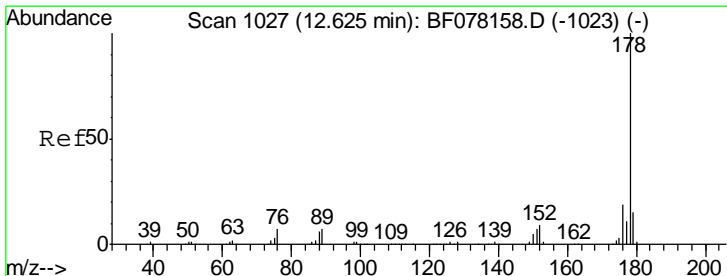
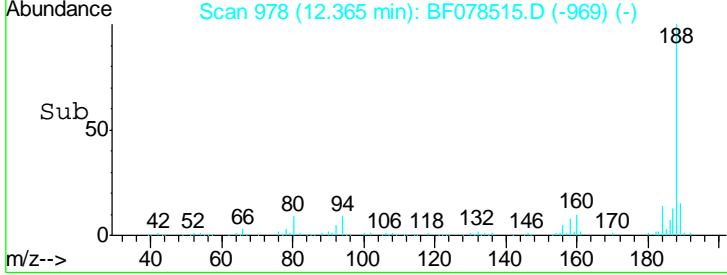
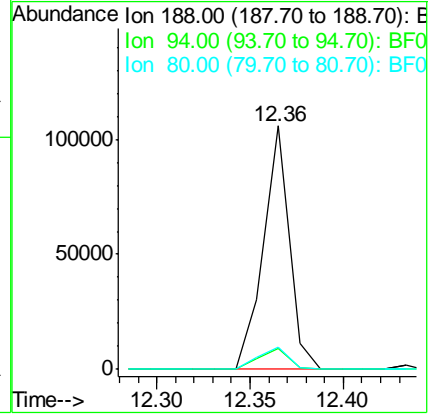
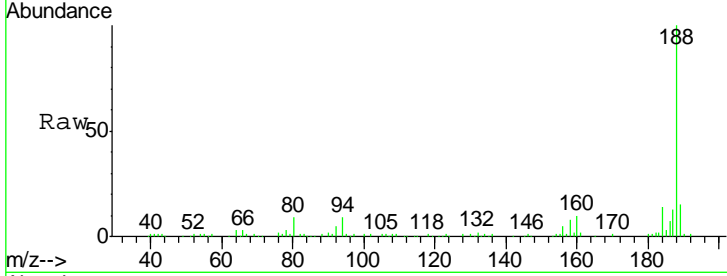




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.36 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

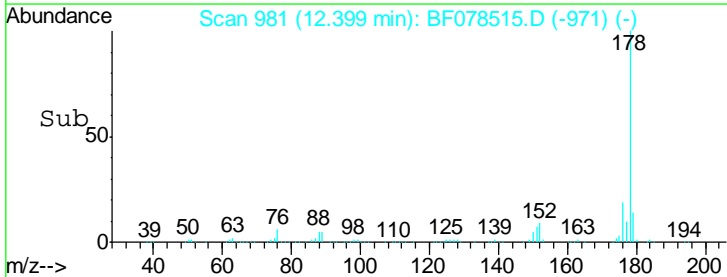
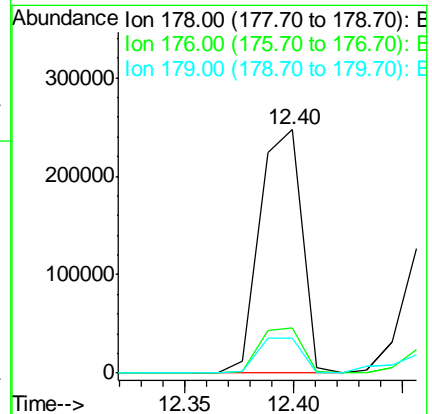
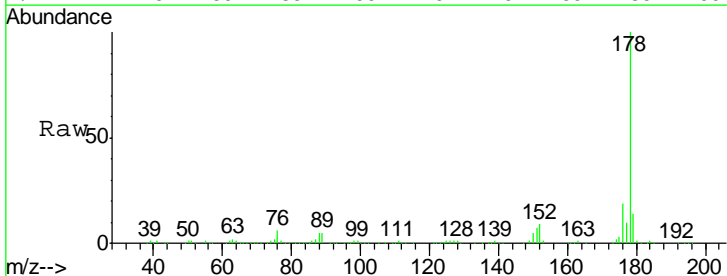
Instrument :
 BNA_F
 ClientSampled :
 HS-SB01A

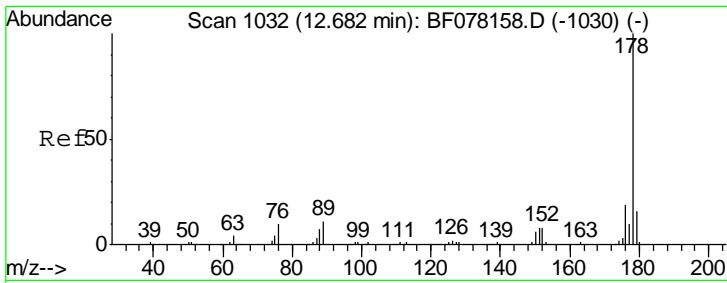
Tgt Ion	Resp	Lower	Upper
188	101740		
94	8.7	9.0	13.4#
80	9.0	9.5	14.3#



#70
 Phenanthrene
 Concen: 56.97 ng
 RT: 12.40 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
178	335283		
176	18.6	15.4	23.0
179	14.3	12.2	18.2

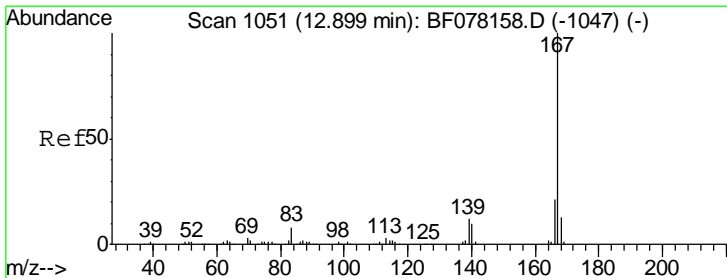
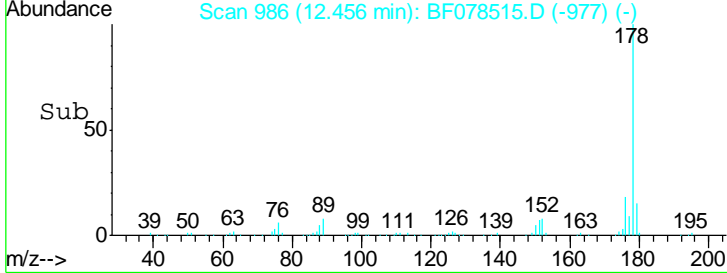
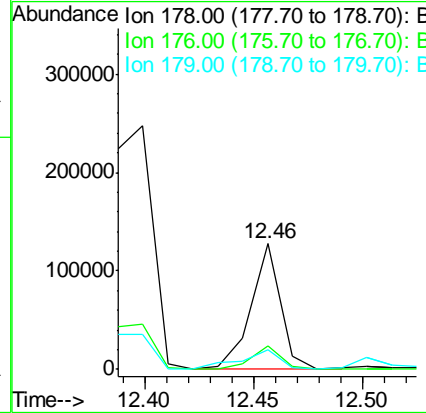
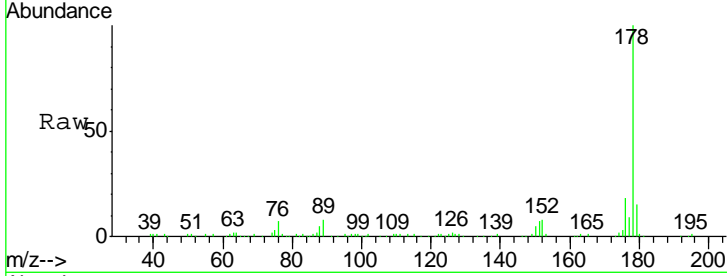




#71
 Anthracene
 Concen: 20.29 ng
 RT: 12.46 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

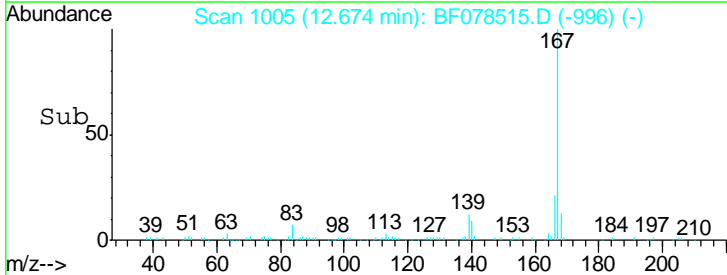
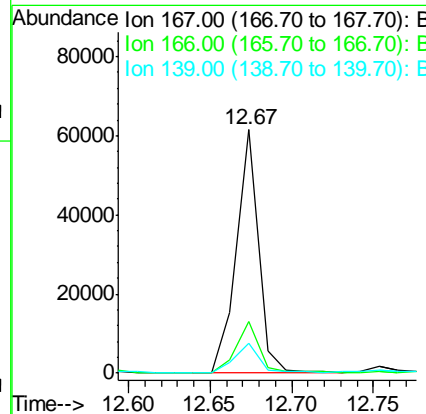
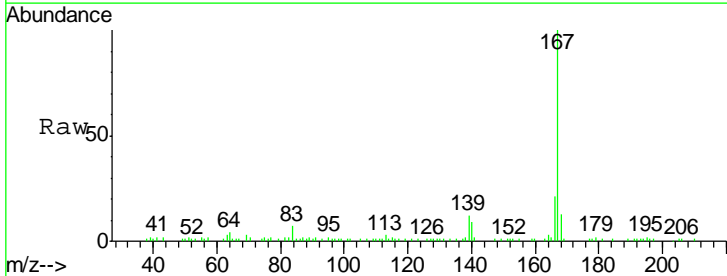
Instrument :
 BNA_F
 ClientSampled :
 HS-SB01A

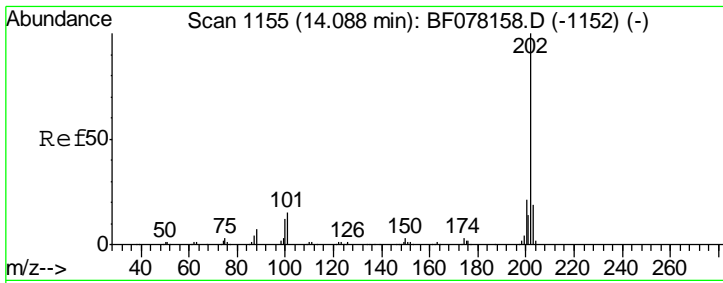
Tgt Ion	Resp	Lower	Upper
178	117638		
176	18.3	14.8	22.2
179	15.2	12.4	18.6



#72
 Carbazole
 Concen: 10.61 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
167	57690		
166	21.0	16.8	25.2
139	12.4	10.0	15.0

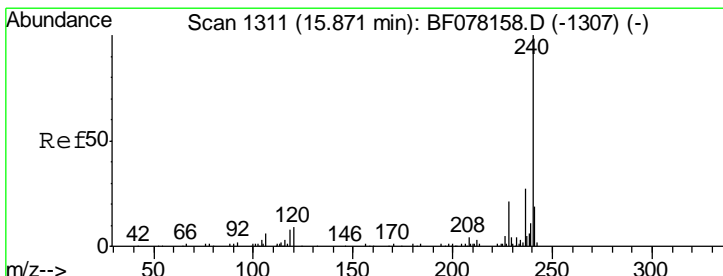
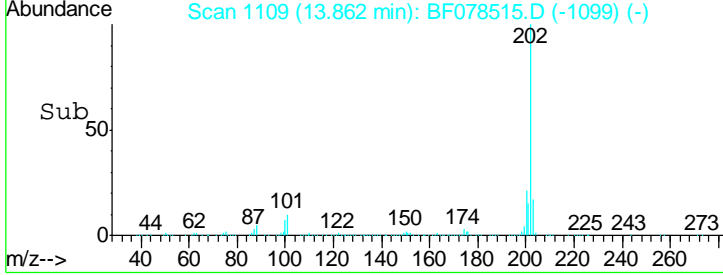
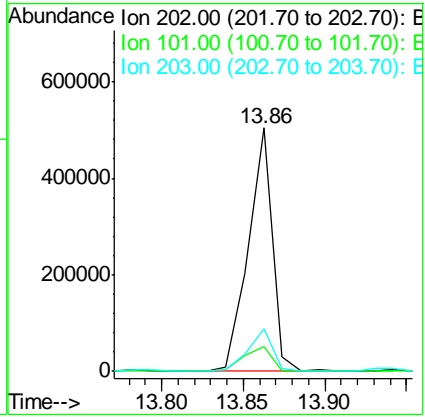
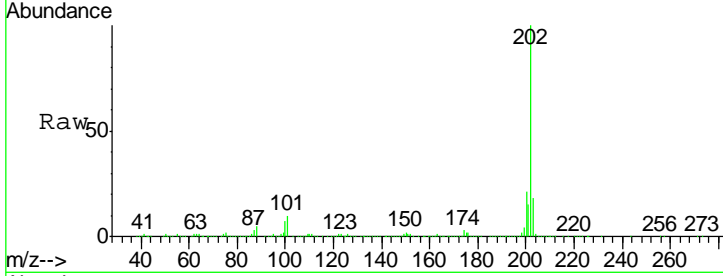




#74
 Fluoranthene
 Concen: 82.33 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

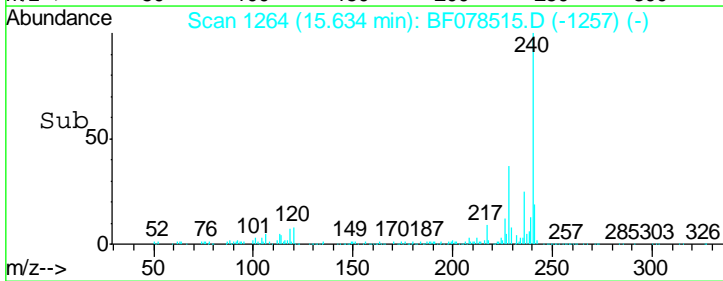
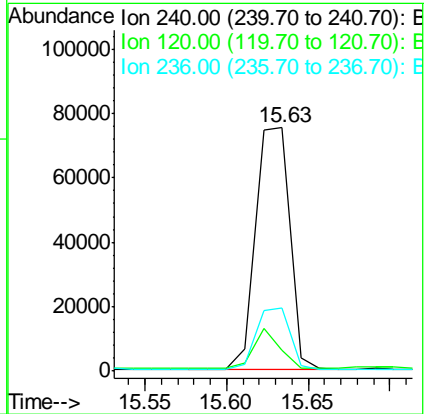
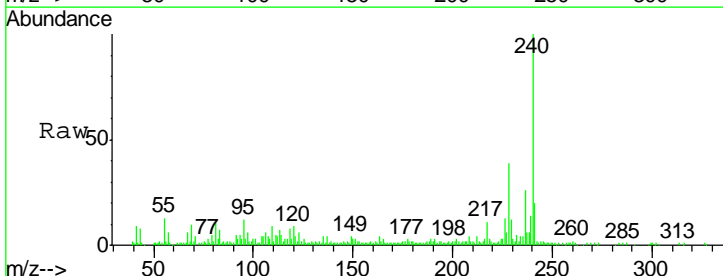
Instrument :
 BNA_F
 ClientSampled :
 HS-SB01A

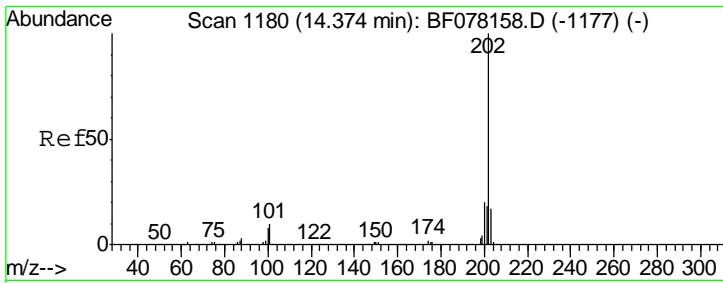
Tgt Ion	Resp	Lower	Upper
202	510986		
101	9.9	0.0	35.2
203	17.6	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
240	109815		
120	8.8	7.1	10.7
236	25.8	21.4	32.2

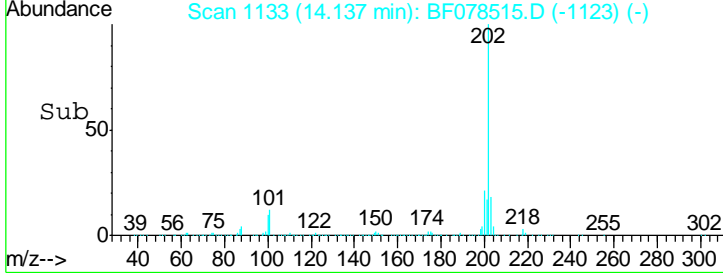
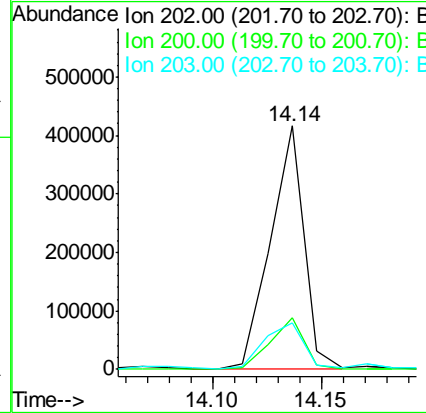
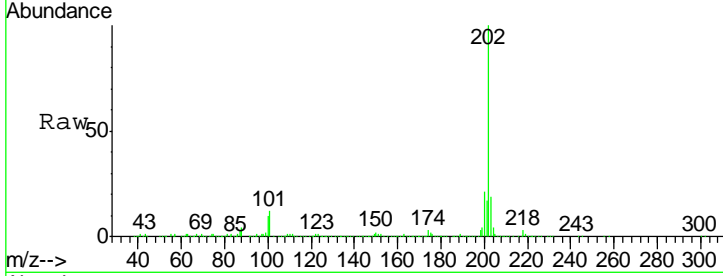




#77
 Pyrene
 Concen: 65.17 ng
 RT: 14.14 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

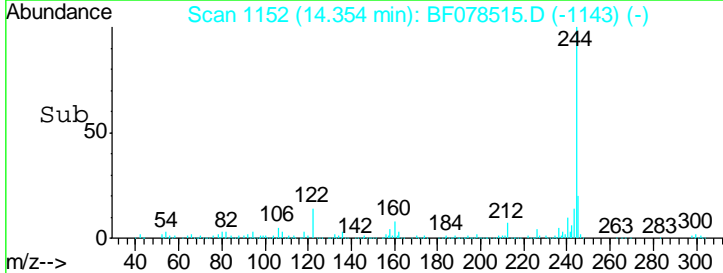
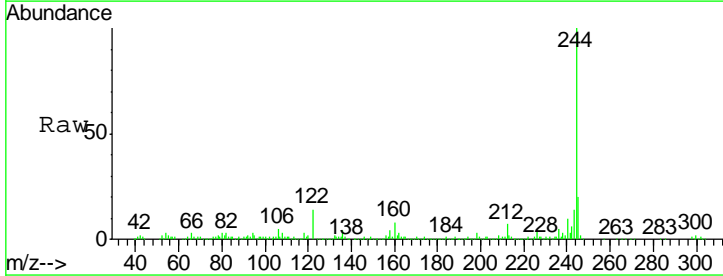
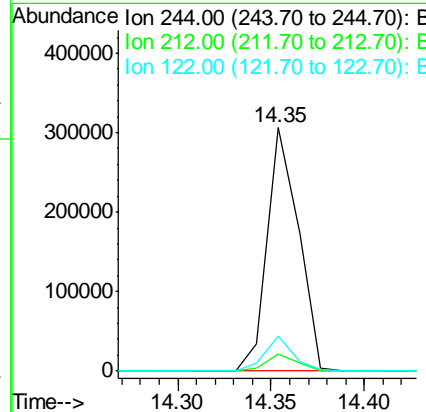
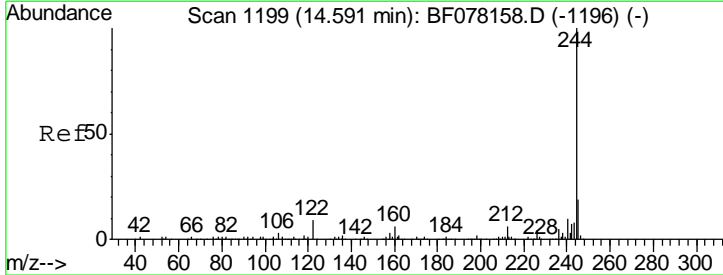
Instrument :
 BNA_F
 ClientSampled :
 HS-SB01A

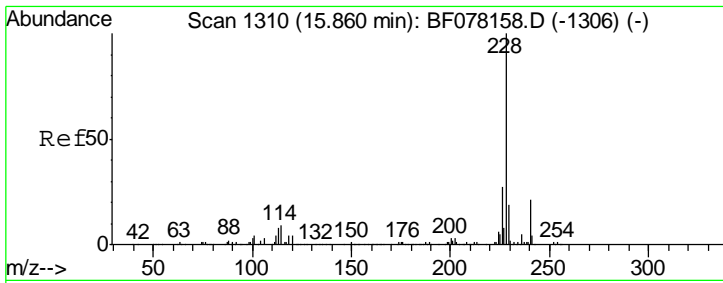
Tgt Ion	Resp	Lower	Upper
202	100		
200	21.1	16.3	24.5
203	19.0	13.8	20.6



#78
 Terphenyl-d14
 Concen: 73.03 ng
 RT: 14.35 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
244	100		
212	7.1	5.0	7.4
122	14.1	7.1	10.7#

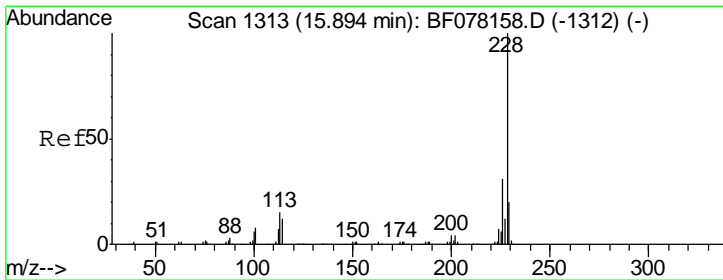
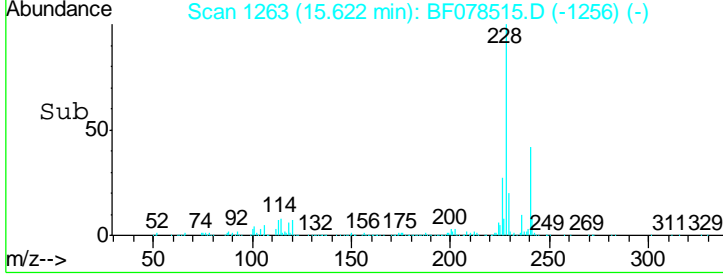
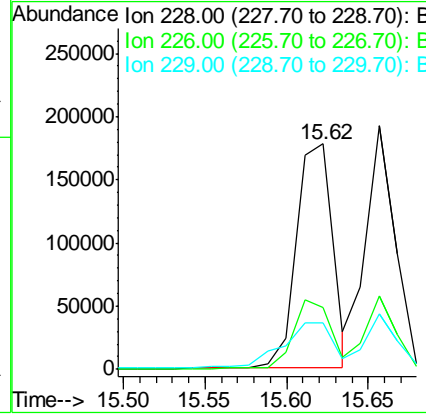
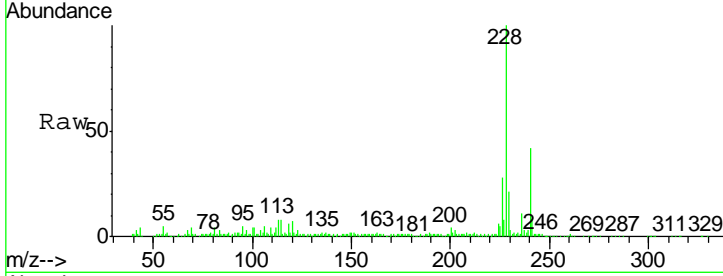




#80
 Benzo(a)anthracene
 Concen: 42.45 ng
 RT: 15.62 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

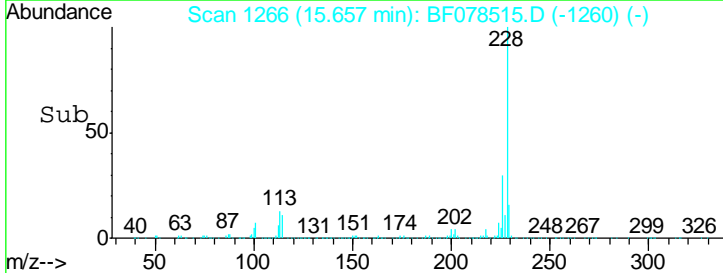
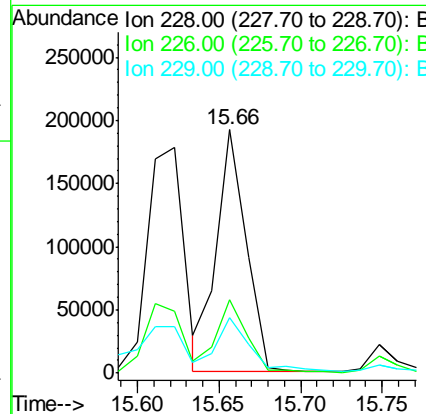
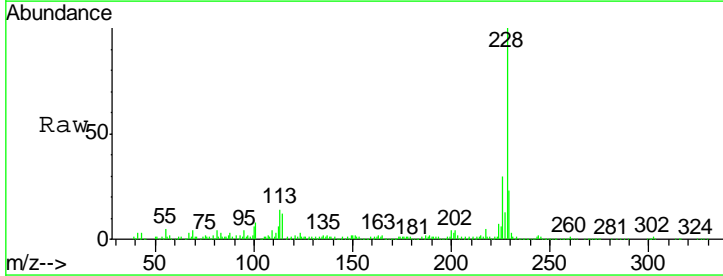
Instrument : BNA_F
 ClientSampled : HS-SB01A

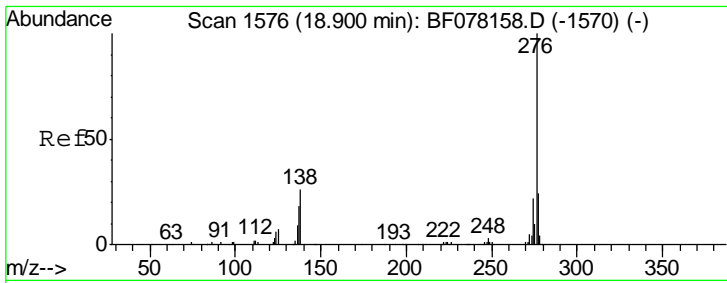
Tgt Ion	Resp	Lower	Upper
228	100		
226	27.6	21.3	31.9
229	20.7	15.4	23.2



#82
 Chrysene
 Concen: 39.29 ng
 RT: 15.66 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	22.7	15.8	23.8

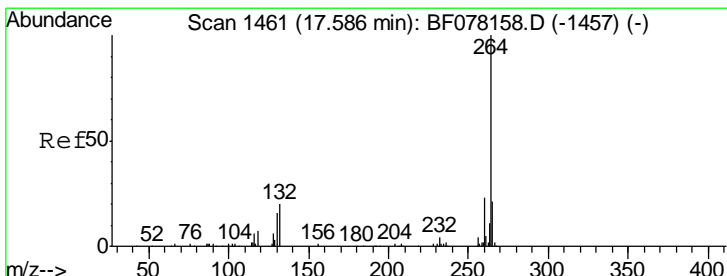
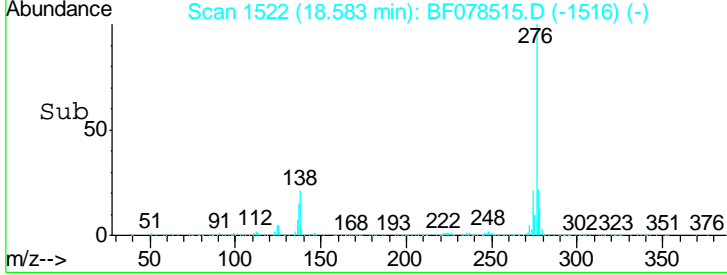
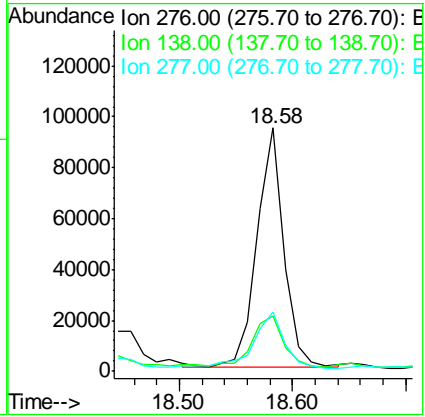
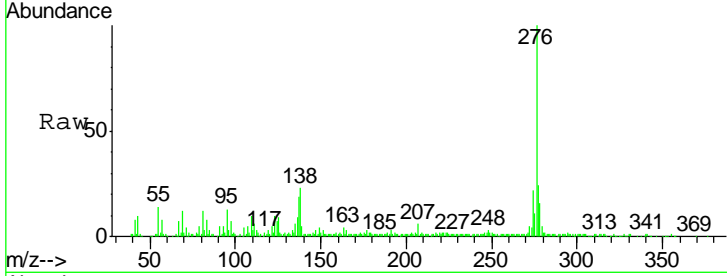




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 22.56 ng m
 RT: 18.58 min Scan# 1522
 Delta R.T. -0.23 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

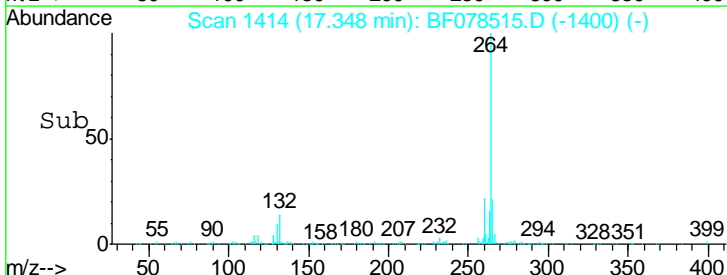
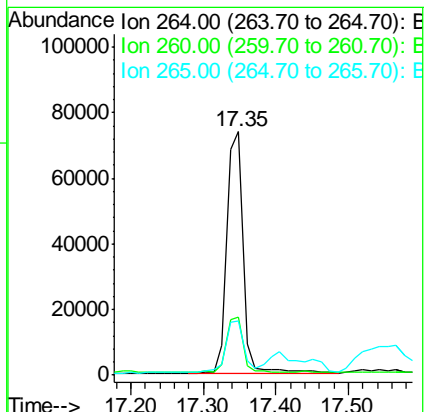
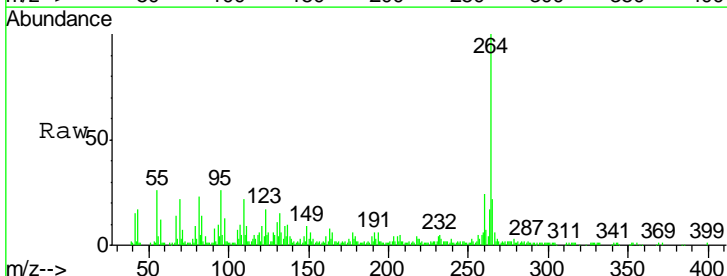
Instrument :
 BNA_F
ClientSampled :
 HS-SB01A

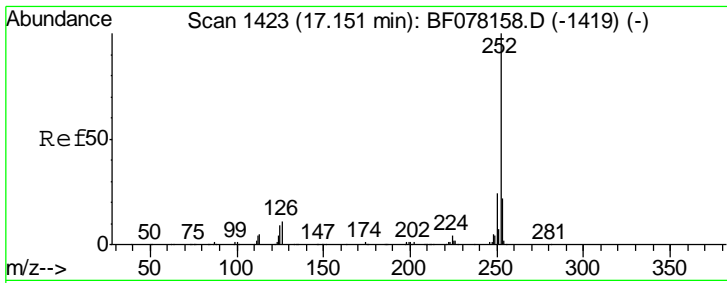
Tgt Ion	Resp	Lower	Upper
276	157118		
138	5.1	16.9	25.3#
277	5.8	15.8	23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.35 min Scan# 1414
 Delta R.T. -0.14 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
264	117521		
260	23.9	18.6	27.8
265	22.2	17.0	25.6

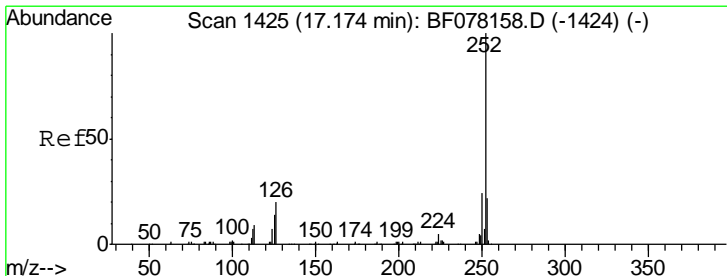
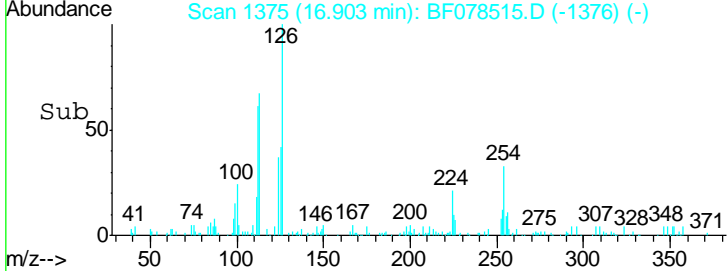
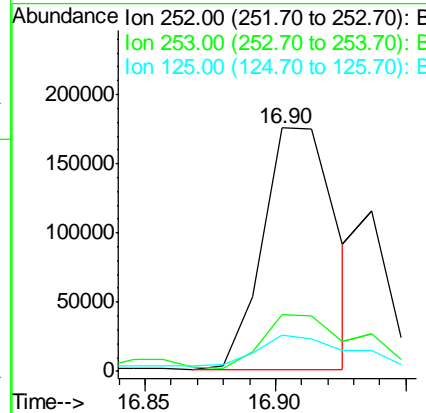
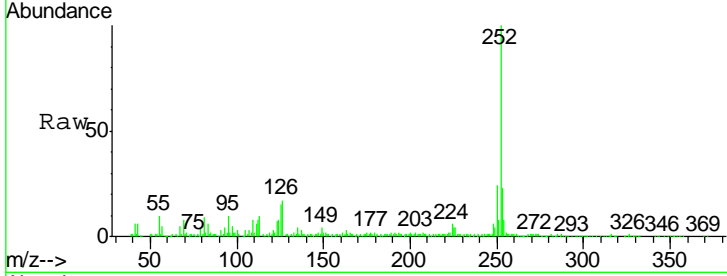




#87
 Benzo(b)fluoranthene
 Concen: 46.79 ng
 RT: 16.90 min Scan# 1375
 Delta R.T. -0.11 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

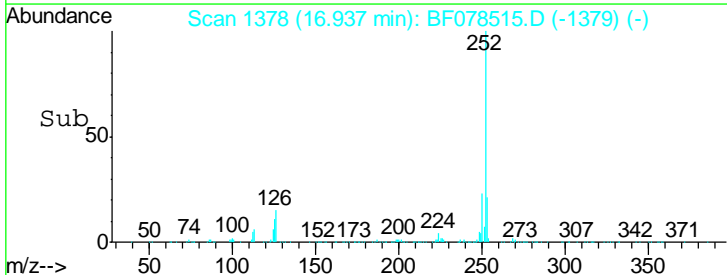
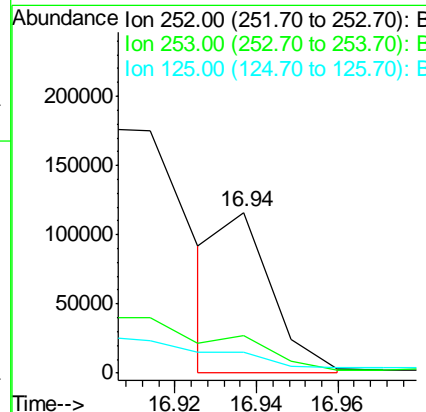
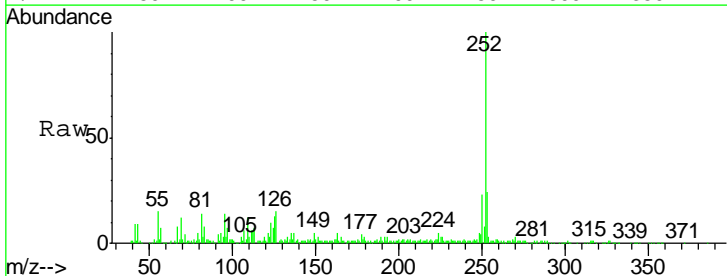
Instrument :
 BNA_F
 ClientSampleID :
 HS-SB01A

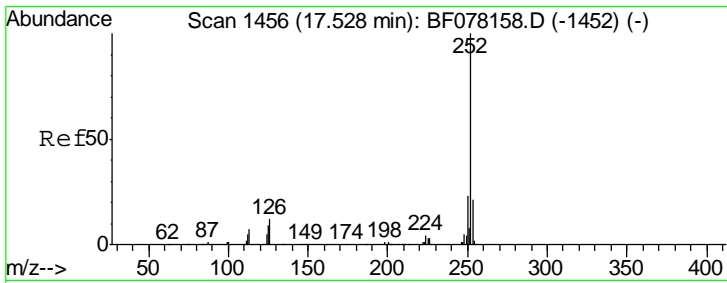
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	15.0	7.0	10.4



#88
 Benzo(k)fluoranthene
 Concen: 15.26 ng m
 RT: 16.94 min Scan# 1378
 Delta R.T. -0.11 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	12.9	11.6	17.4

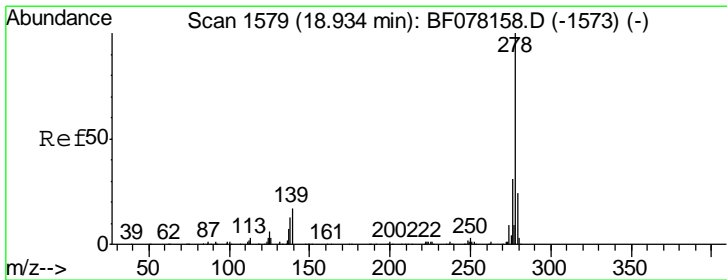
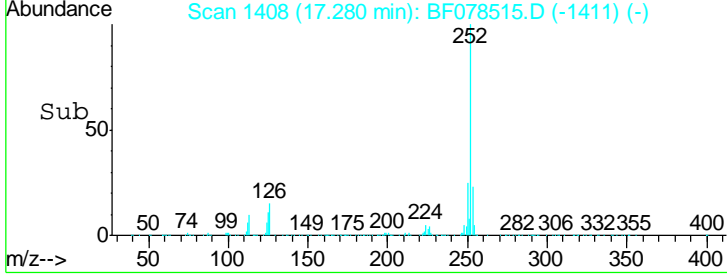
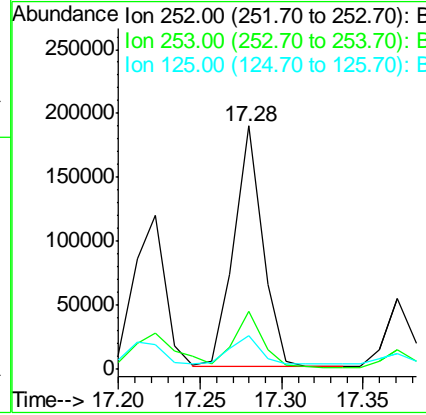
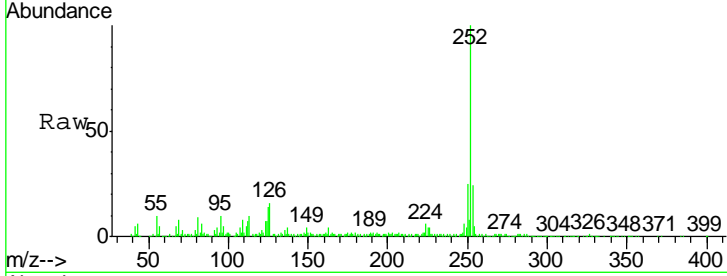




#89
 Benzo(a)pyrene
 Concen: 36.27 ng
 RT: 17.28 min Scan# 1408
 Delta R.T. -0.14 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Instrument : BNA_F
 ClientSampled : HS-SB01A

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.7	16.8	25.2
125	13.7	7.4	11.0#



#90
 Dibenzo(a,h)anthracene
 Concen: 5.65 ng m
 RT: 18.59 min Scan# 1523
 Delta R.T. -0.24 min
 Lab File: BF078515.D
 Acq: 14 Apr 2015 22:51

Tgt Ion	Resp	Lower	Upper
278	100		
139	23.0	13.6	20.4#
279	30.8	19.0	28.6#

