Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 21 01:14:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	67959	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	265228	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	102572	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	159417	20.00	ng	0.00
75) Chrysene-d12	18.29	240	104051	20.00	ng	0.02
86) Perylene-d12	19.96	264	88936	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	519761	121.87	ng	0.00
7) Phenol-d6	6.87	99	619138	121.26	ng	0.00
23) Nitrobenzene-d5	8.21	82	343454	80.42	ng	-0.01
41) 2,4,6-Tribromophenol	13.45	330	94916	104.59	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	651617	88.40	ng	0.00
78) Terphenyl-d14	16.93	244	434946	103.74	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
2) 1,4-Dioxane	1.55	88	39242	19.34	ng	#	21
19) n-Nitroso-di-n-propylamine	8.21	70	44212	13.66	ng	#	75
31) Naphthalene	9.36	128	44230	3.32	ng		98
37) 2-Methylnaphthalene	10.49	142	30088	3.35	ng		94
48) Acenaphthylene	11.92	152	396627	35.12	ng		98
49) Dimethylphthalate	11.80	163	118992	15.28	ng		99
51) Acenaphthene	12.20	154	73821	11.32	ng		99
54) Dibenzofuran	12.49	168	59500	6.48	ng		97
55) 4-Nitrophenol	12.57	139	2432	6.61	ng		86
57) Fluorene	13.04	166	128543	16.09	ng		93
65) n-Nitrosodiphenylamine	13.26	169	12645	2.21	ng	#	75
70) Phenanthrene	14.59	178	1181737	128.47	ng		99
71) Anthracene	14.67	178	500453	52.11	ng		98
72) Carbazole	14.97	167	33005	3.53	ng	#	93
74) Fluoranthene	16.40	202	1905685	209.32	ng		99
77) Pyrene	16.51	202	167584	21.59	ng		96
80) Benzo(a)anthracene	18.28	228	982766	162.45	ng		94
82) Chrysene	18.33	228	916011	151.52	ng		97
85) Indeno(1,2,3-cd)pyrene	21.12	276	356501	68.92	ng	#	91
87) Benzo(b)fluoranthene	19.56	252	1132661	203.39	ng	#	96
88) Benzo(k)fluoranthene	19.56	252	1132661	212.79	ng		99
89) Benzo(a)pyrene	19.91	252	658694	128.69	ng		96
90) Dibenzo(a,h)anthracene	21.28	278	56823	13.09	ng		93
91) Benzo(g,h,i)perylene	21.45	276	340818	77.00	ng		98

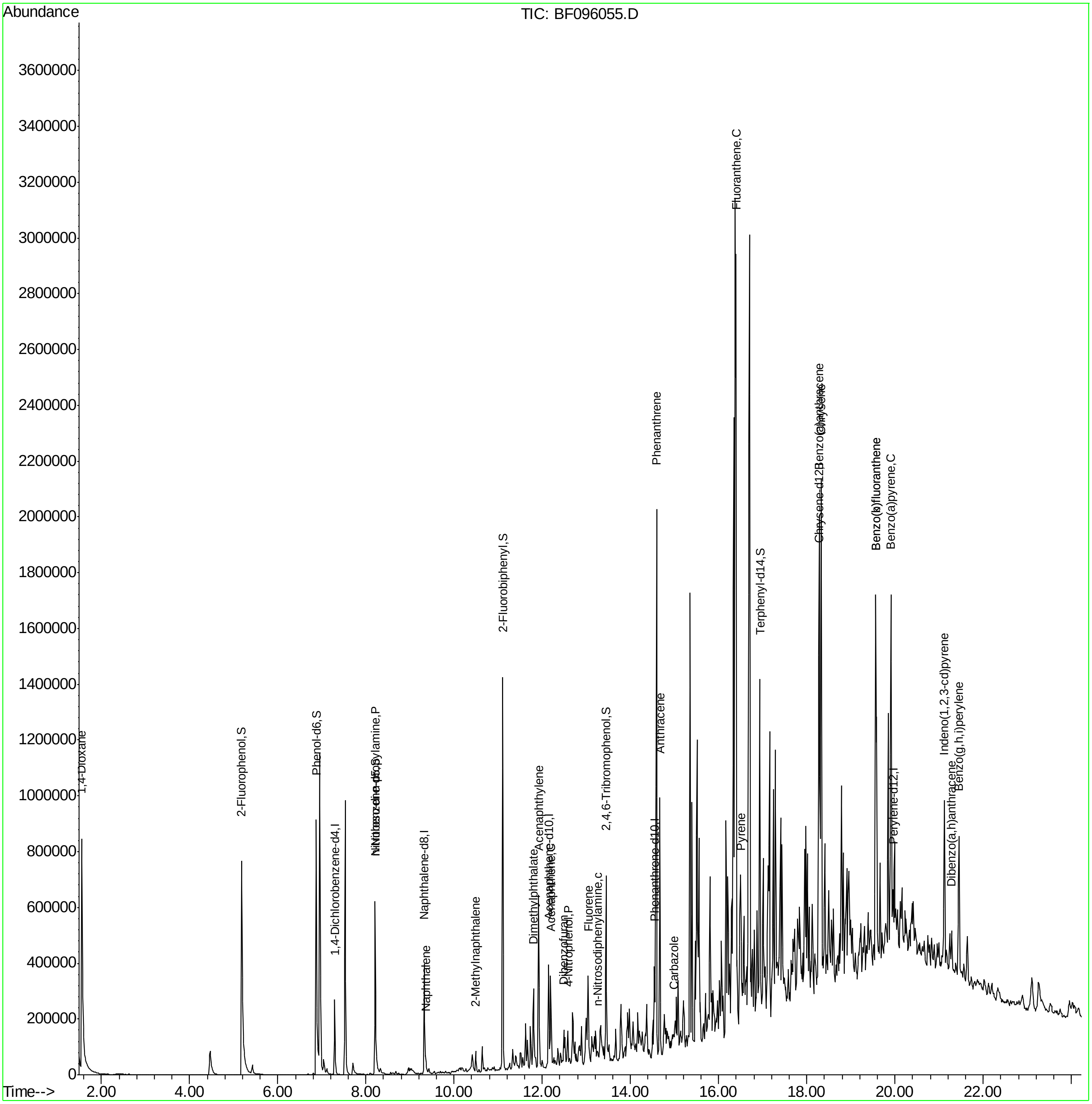
(#) = qualifier out of range (m) = manual integration (+) = signals summed

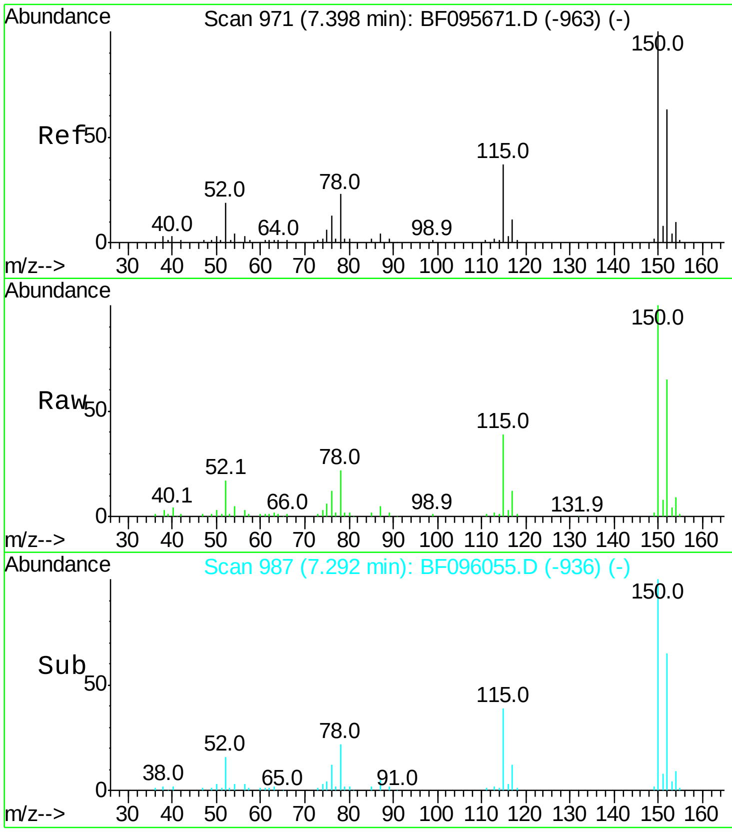
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096055.D
Acq On : 20 Jun 2017 20:47
Operator : SJ/MA
Sample : I3759-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 21 01:14:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration



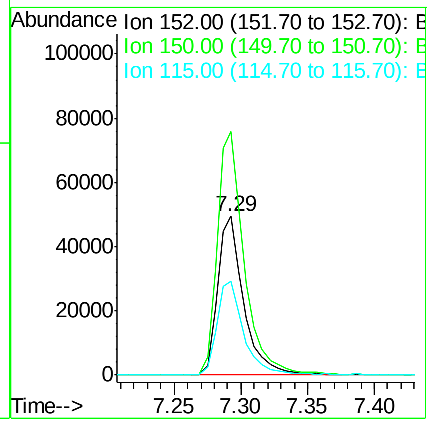


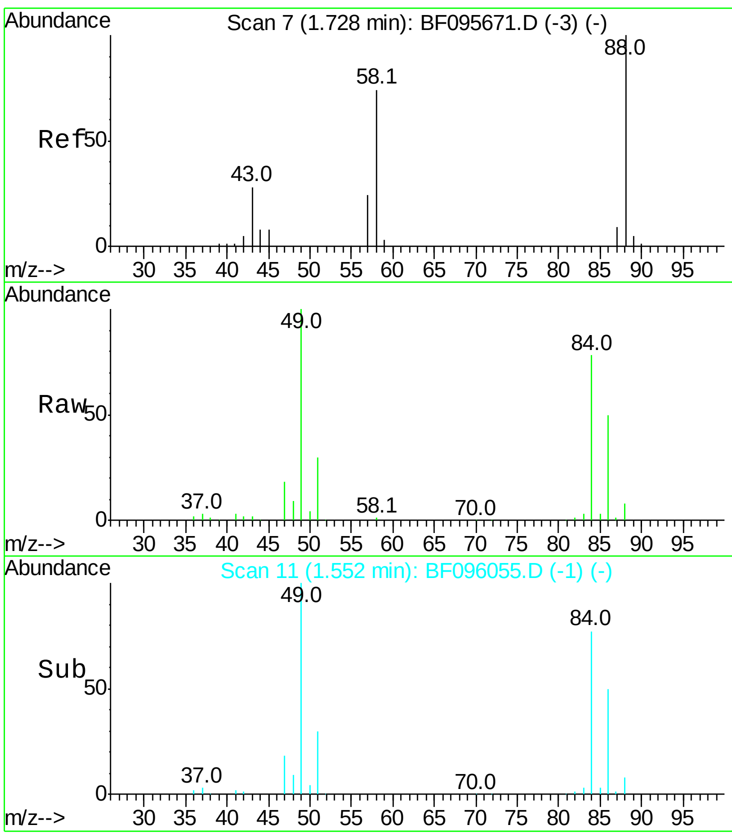
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 67959

Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	59.2	52.2	78.2

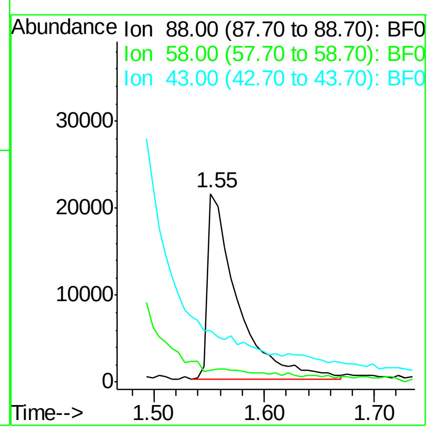


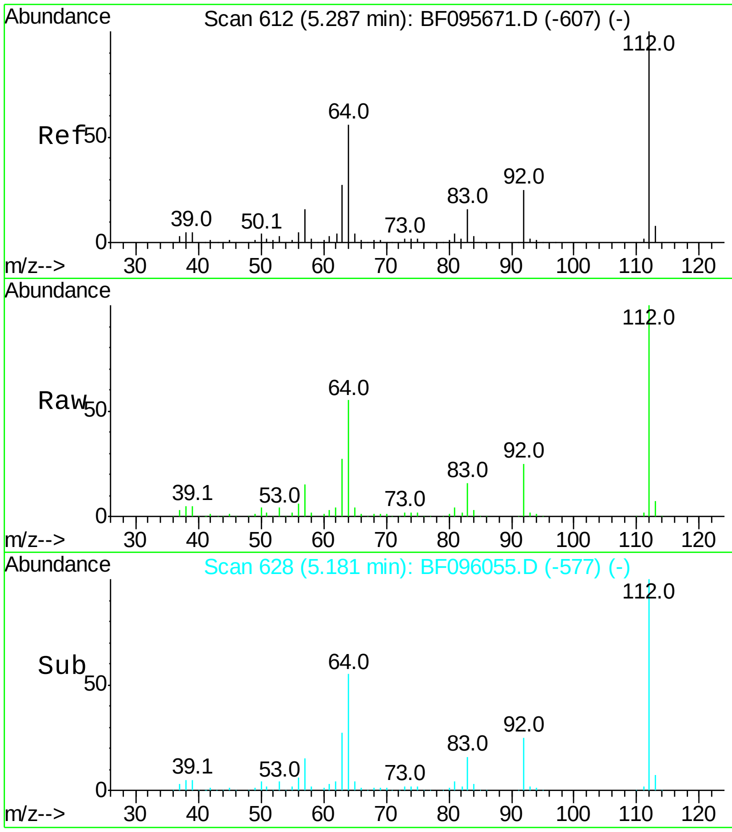


#2
1,4-Dioxane
Concen: 19.34 ng
RT: 1.55 min Scan# 11
Delta R.T. -0.06 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion: 88 Resp: 39242

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	0.0	23.4	35.0#



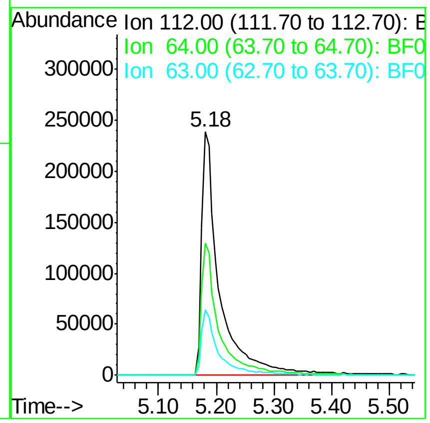


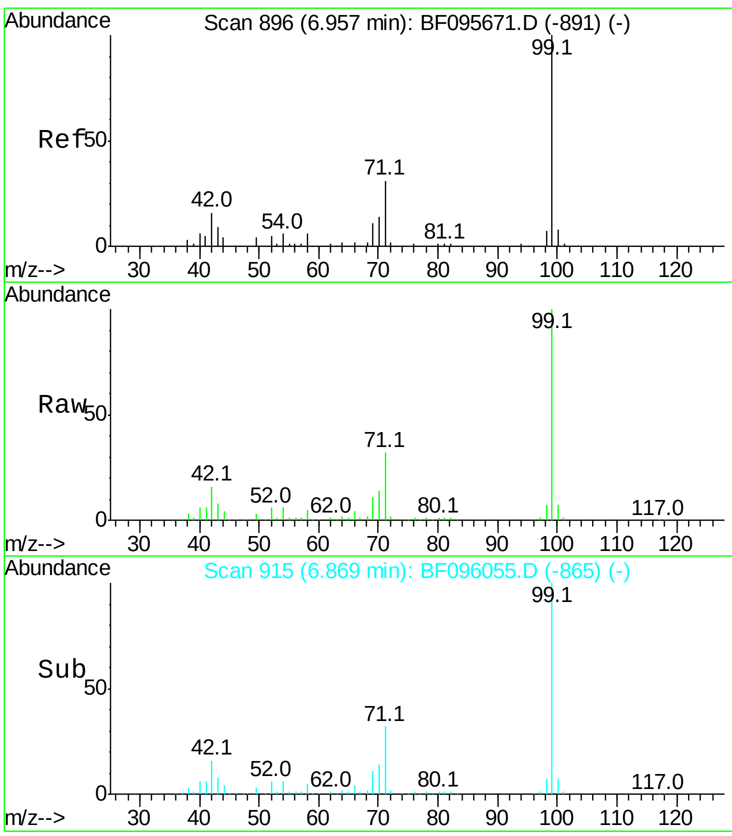
#5
2-Fluorophenol
Concen: 121.87 ng
RT: 5.18 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 519761

Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	26.9	23.4	35.0

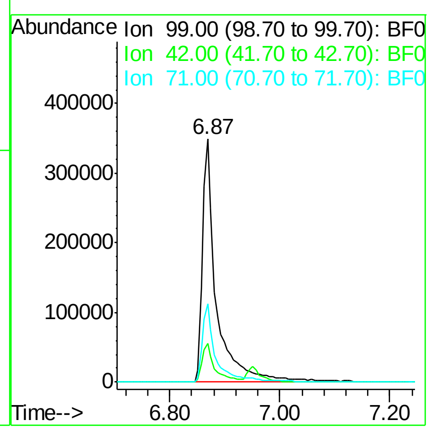


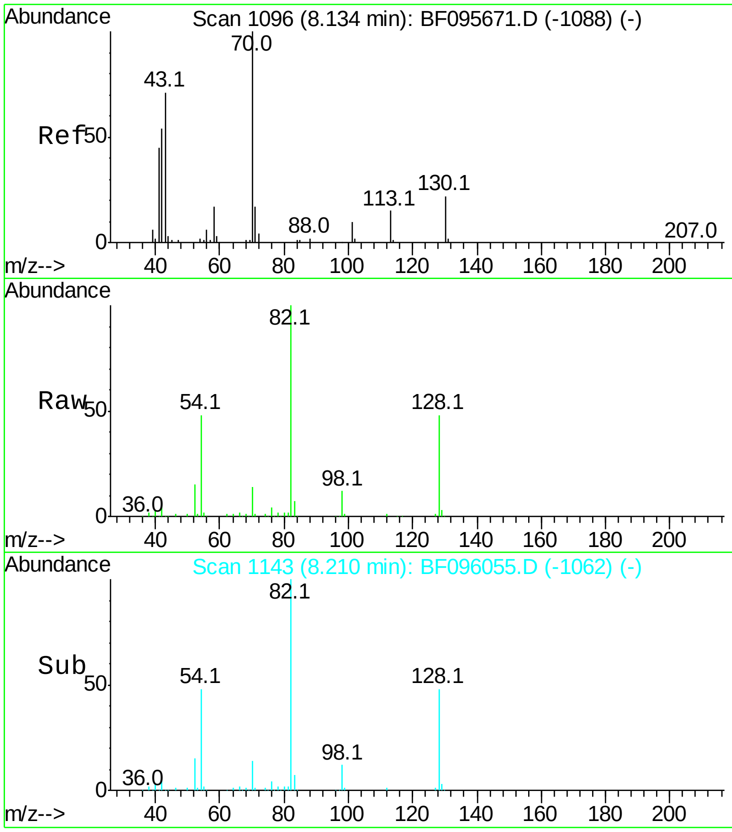


#7
Phenol-d6
Concen: 121.26 ng
RT: 6.87 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion: 99 Resp: 619138

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	32.1	24.5	36.7



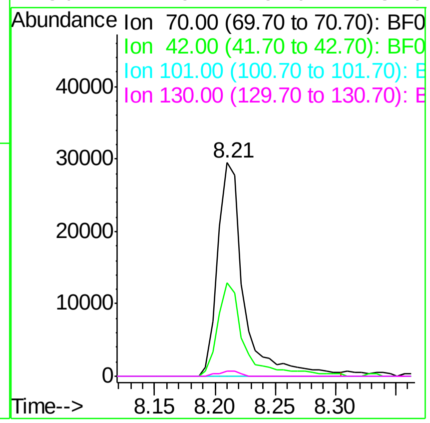


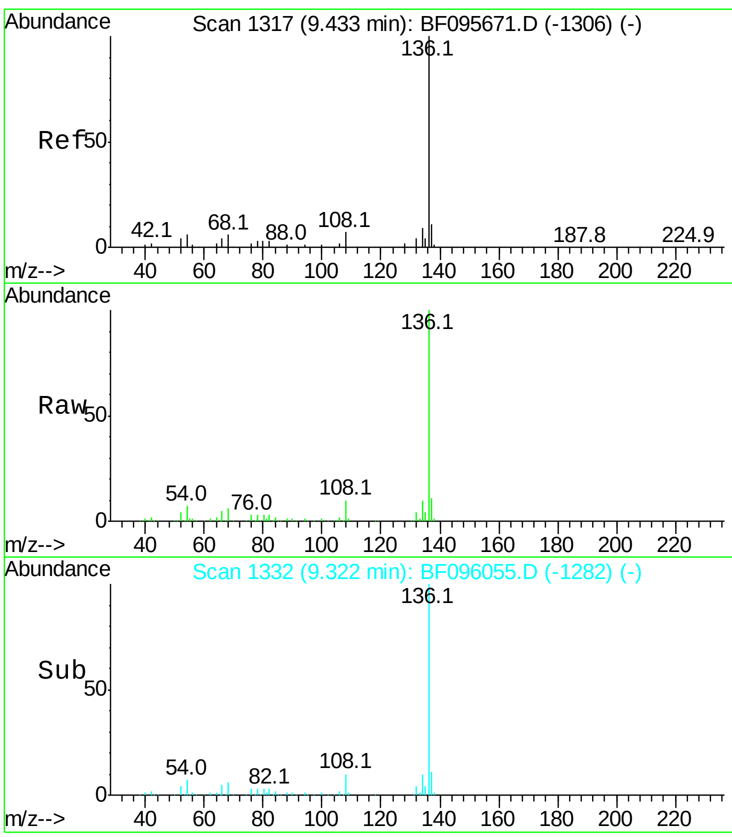
#19
n-Nitroso-di-n-propylamine
Concen: 13.66 ng
RT: 8.21 min Scan# 1143
Delta R.T. 0.18 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 44212

Ion	Ratio	Lower	Upper
70	100		
42	43.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#

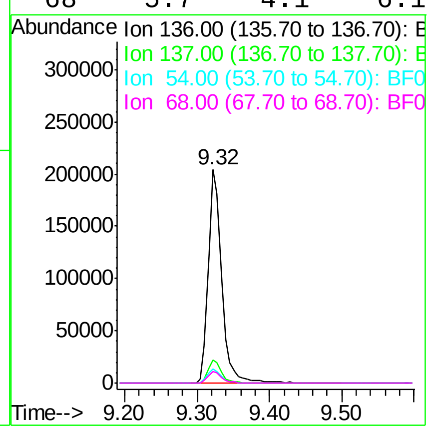


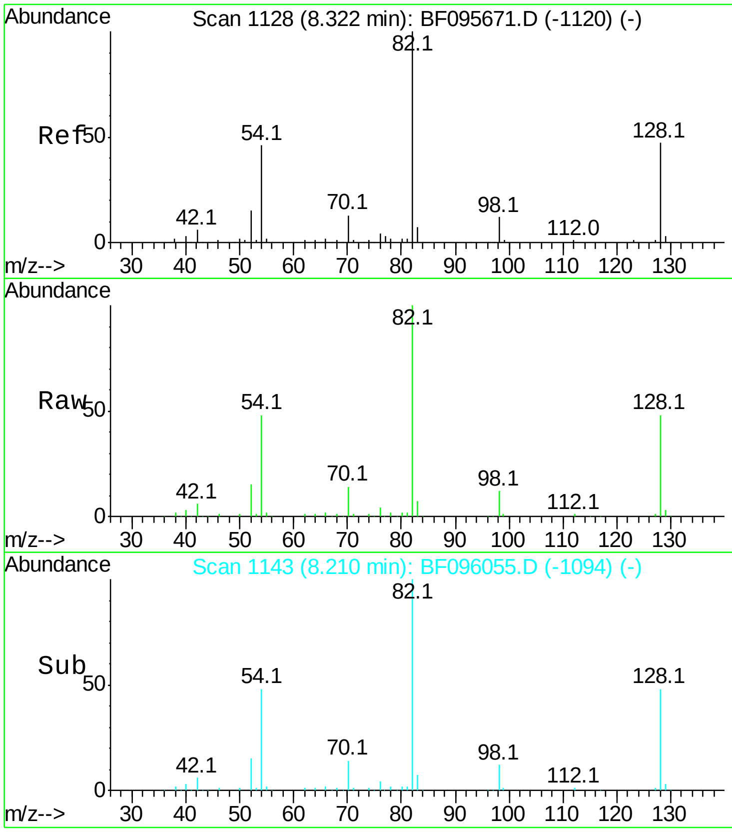


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:136 Resp: 265228

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.9	4.9	7.3
68	5.7	4.1	6.1



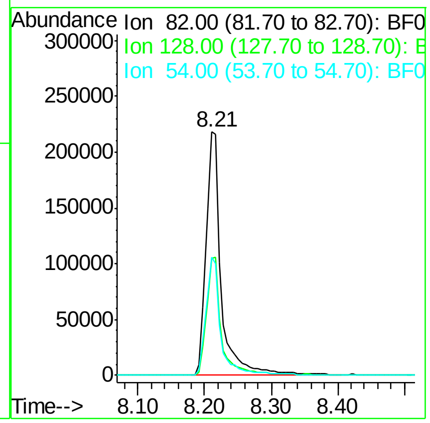


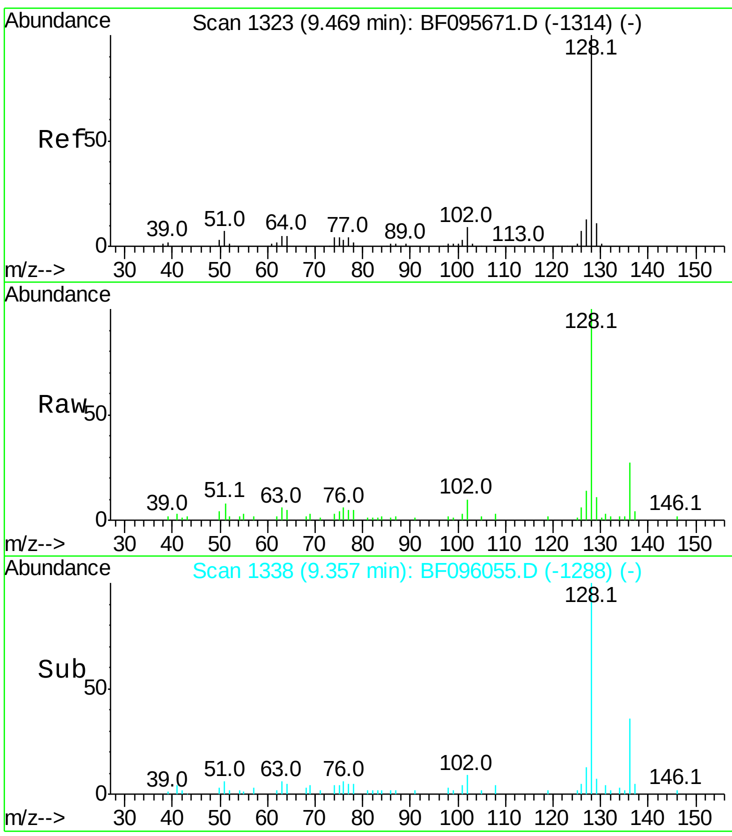
#23
Nitrobenzene-d5
Concen: 80.42 ng
RT: 8.21 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 343454

Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	48.4	42.2	63.2

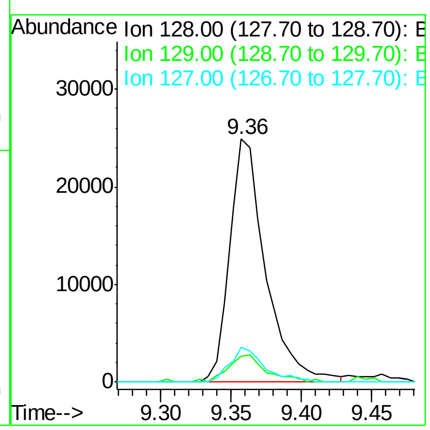


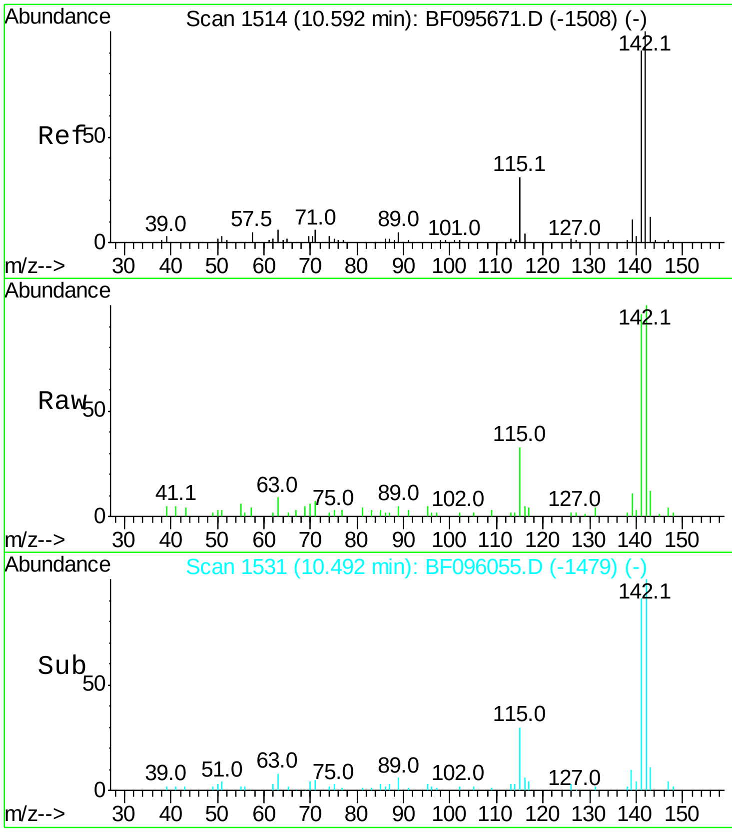


#31
Naphthalene
Concen: 3.32 ng
RT: 9.36 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:128 Resp: 44230

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	14.2	10.8	16.2



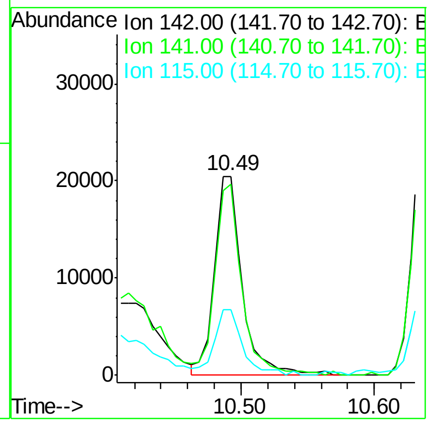


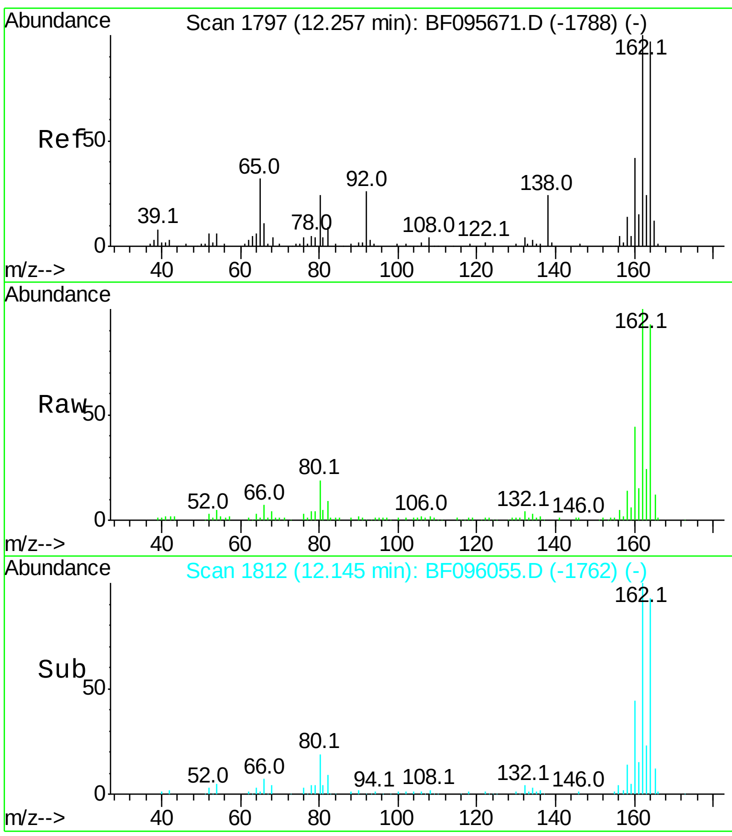
#37
2-Methylnaphthalene
Concen: 3.35 ng
RT: 10.49 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 30088

Ion	Ratio	Lower	Upper
142	100		
141	95.9	71.3	106.9
115	32.8	27.1	40.7

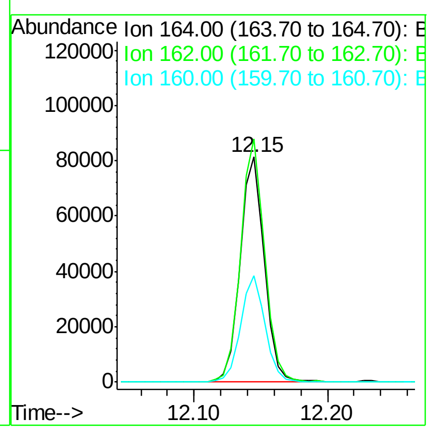




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.15 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:164 Resp: 102572

Ion	Ratio	Lower	Upper
164	100		
162	108.0	82.6	123.8
160	47.1	36.2	54.2

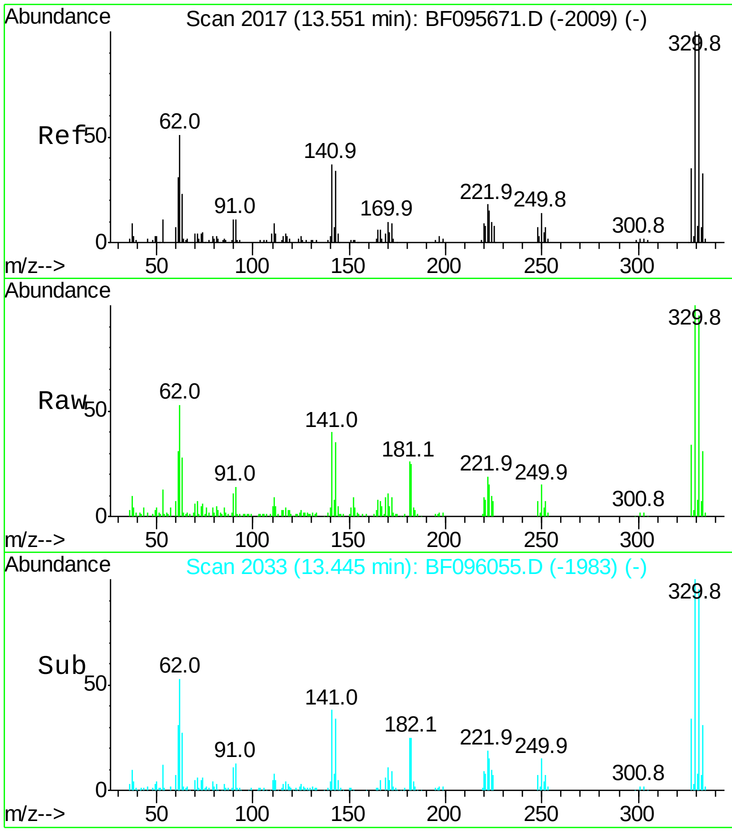


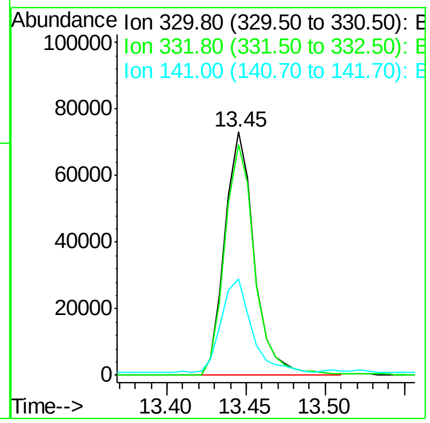
#41
2,4,6-Tribromophenol
Concen: 104.59 ng
RT: 13.45 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:330 Resp: 94916

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	40.2	31.4	47.2

Instrument :
BNA_F
ClientSampleId :

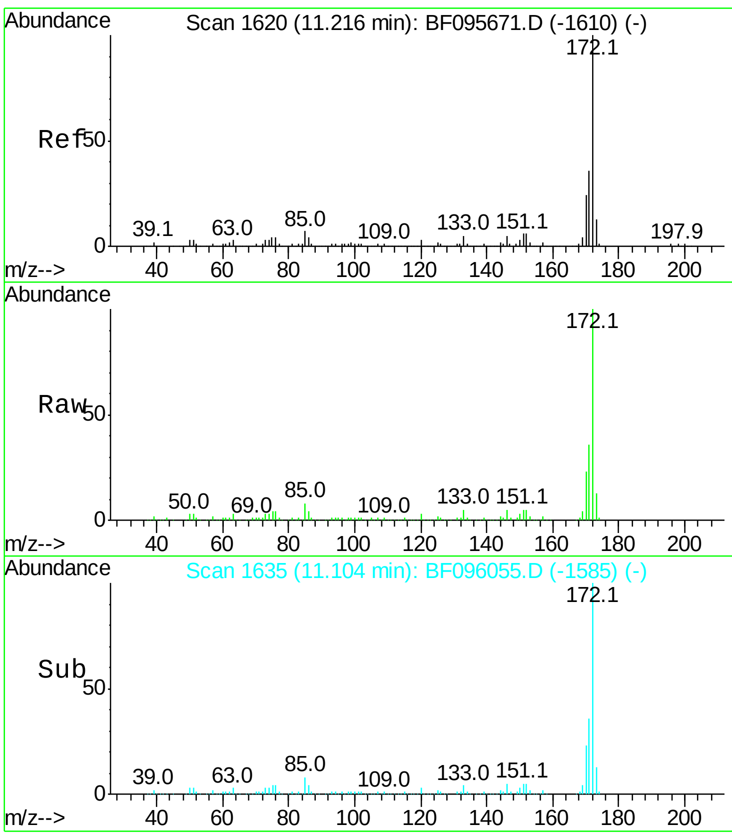


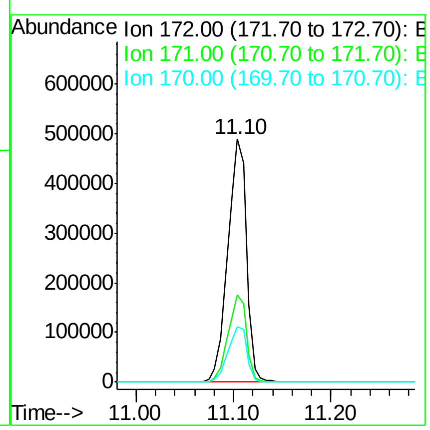


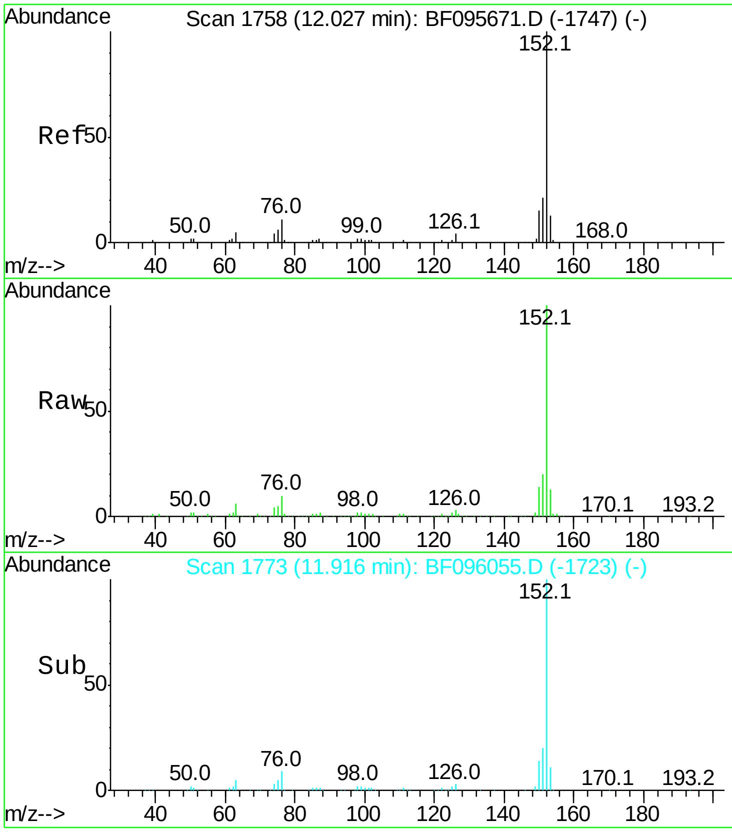
#44
2-Fluorobiphenyl
Concen: 88.40 ng
RT: 11.10 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:172 Resp: 651617

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





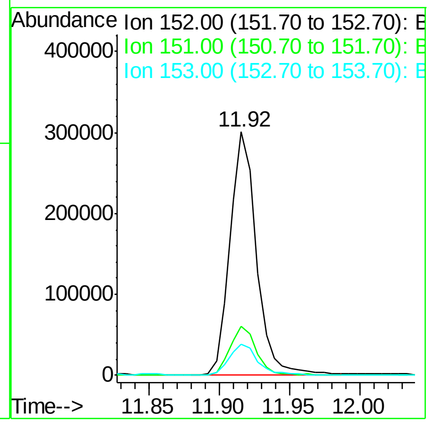


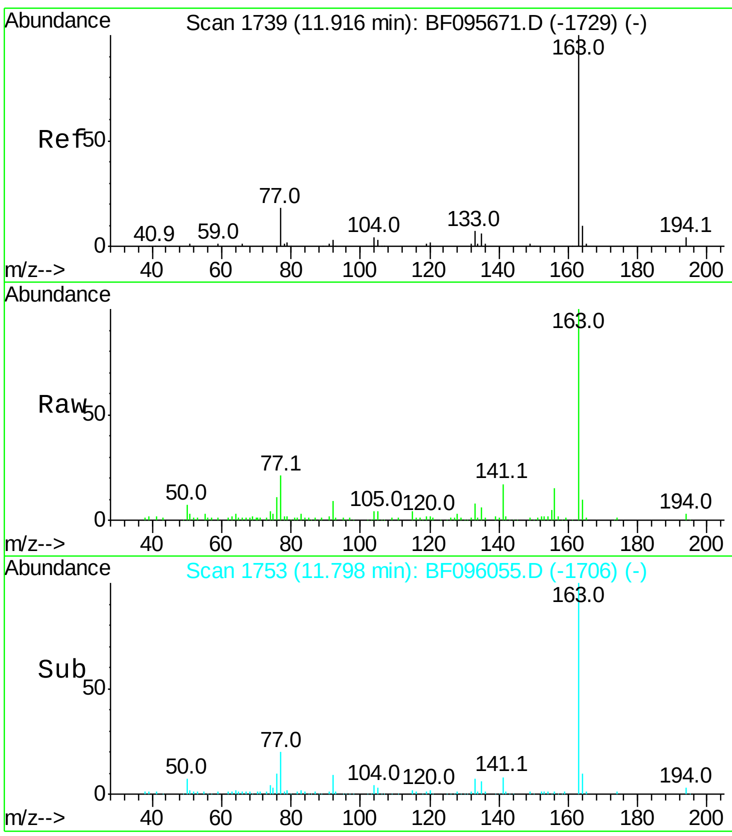
#48
Acenaphthylene
Concen: 35.12 ng
RT: 11.92 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 396627

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	12.9	10.8	16.2

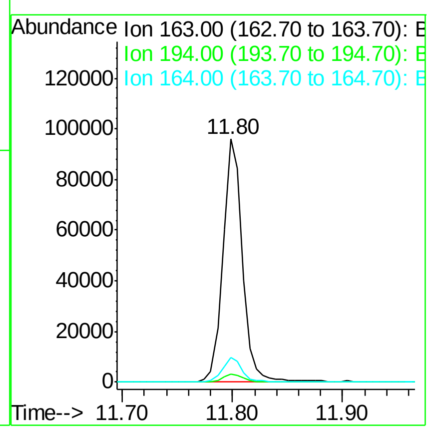


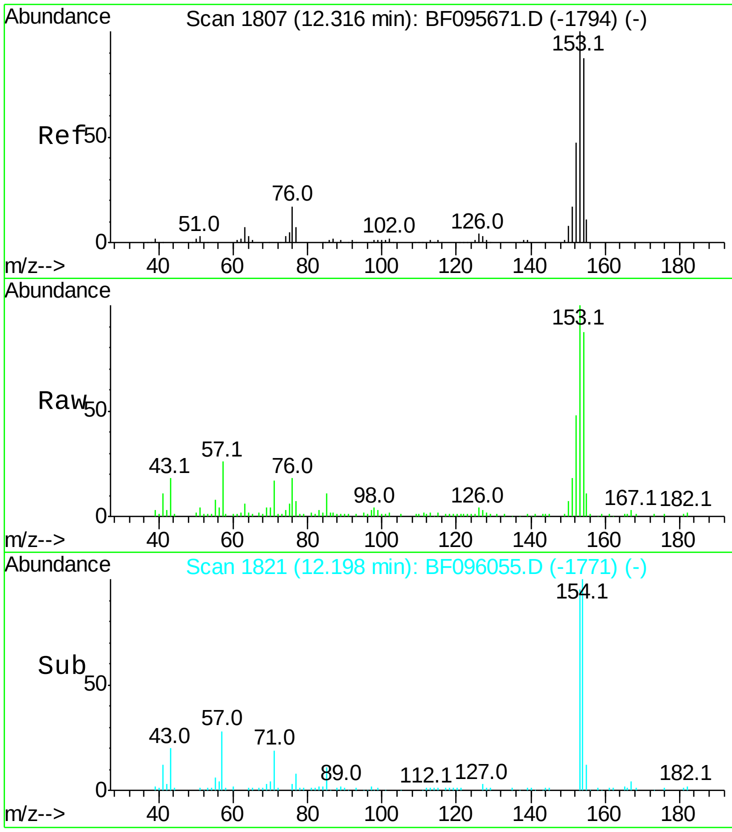


#49
Dimethylphthalate
Concen: 15.28 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:163 Resp: 118992

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6



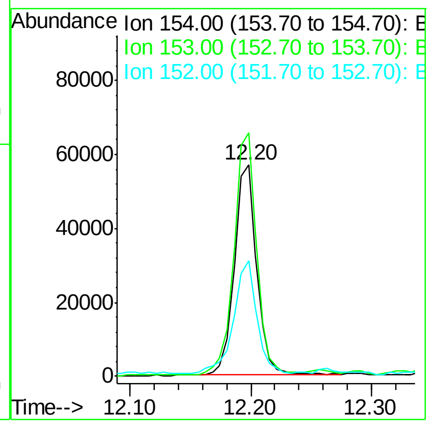


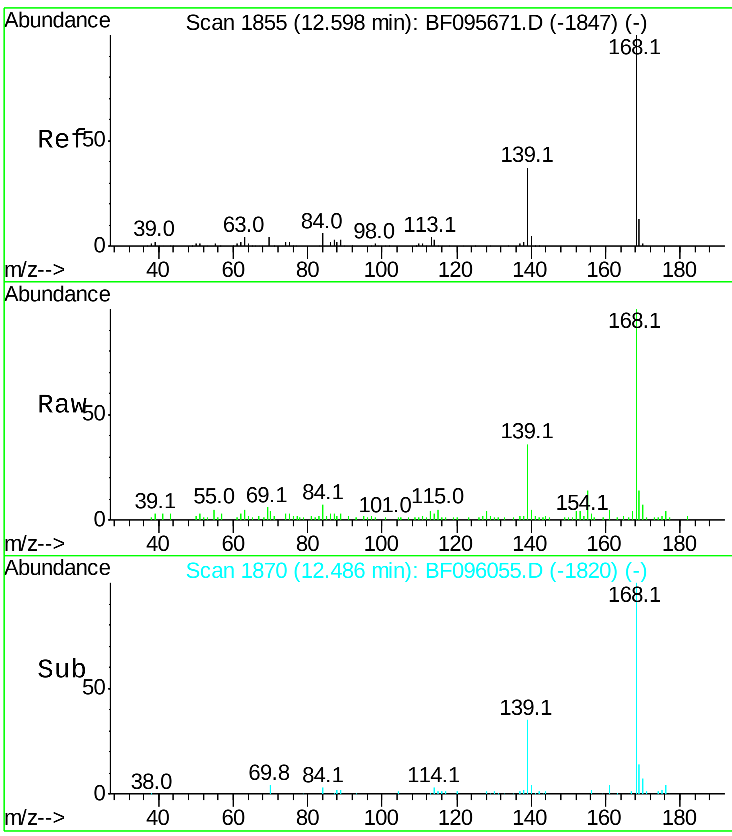
#51
Acenaphthene
Concen: 11.32 ng
RT: 12.20 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 73821

Ion	Ratio	Lower	Upper
154	100		
153	115.2	90.5	135.7
152	54.7	43.6	65.4

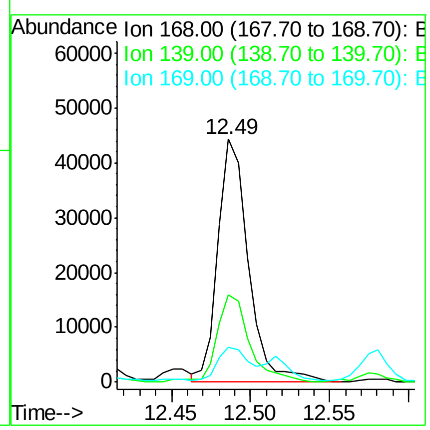


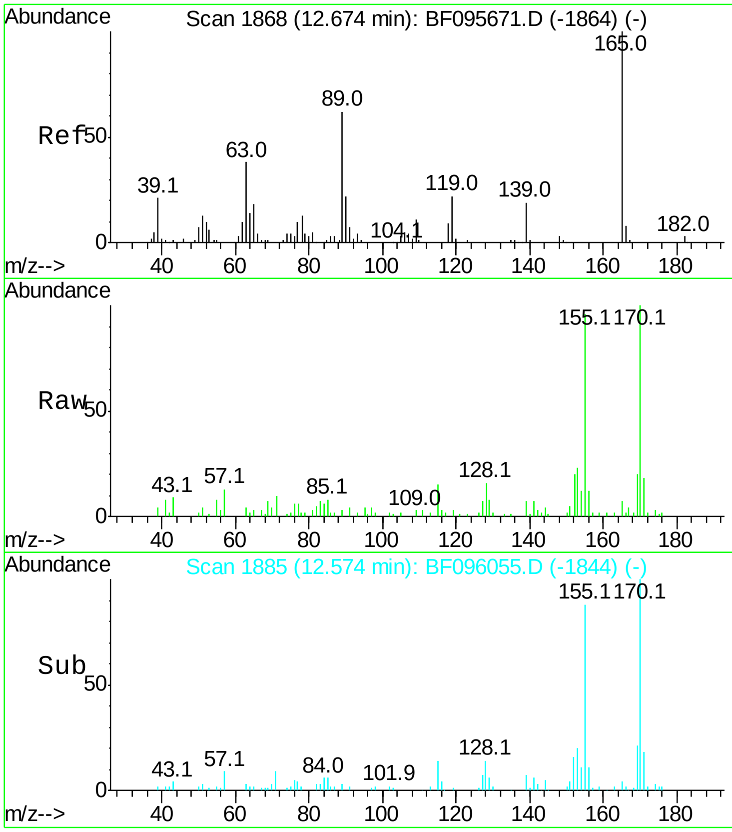


#54
Dibenzofuran
Concen: 6.48 ng
RT: 12.49 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:168 Resp: 59500

Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.6	45.8
169	14.3	10.8	16.2



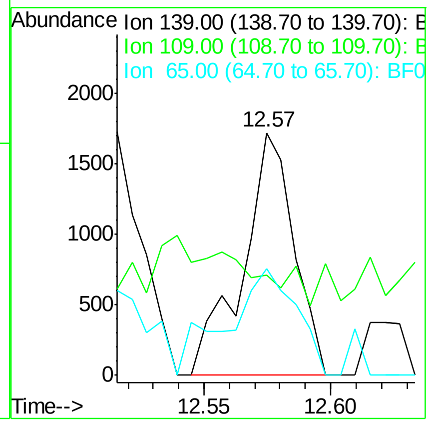


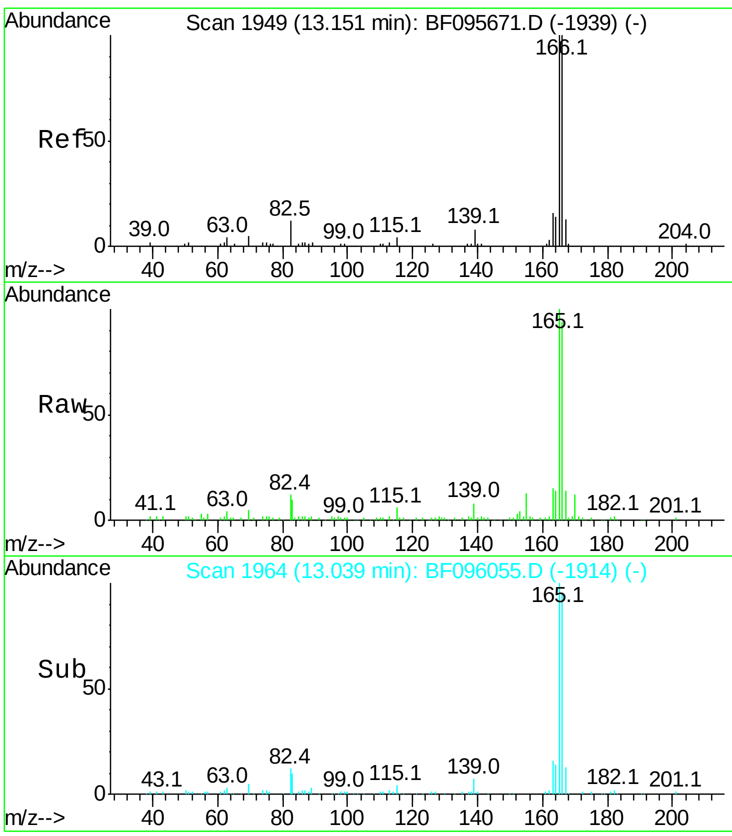
#55
4-Nitrophenol
Concen: 6.61 ng
RT: 12.57 min Scan# 1885
Delta R.T. -0.06 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 2432

Ion	Ratio	Lower	Upper
139	100		
109	41.4	34.1	74.1
65	43.7	31.4	71.4

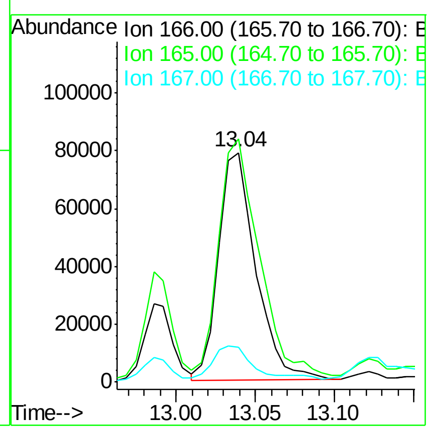


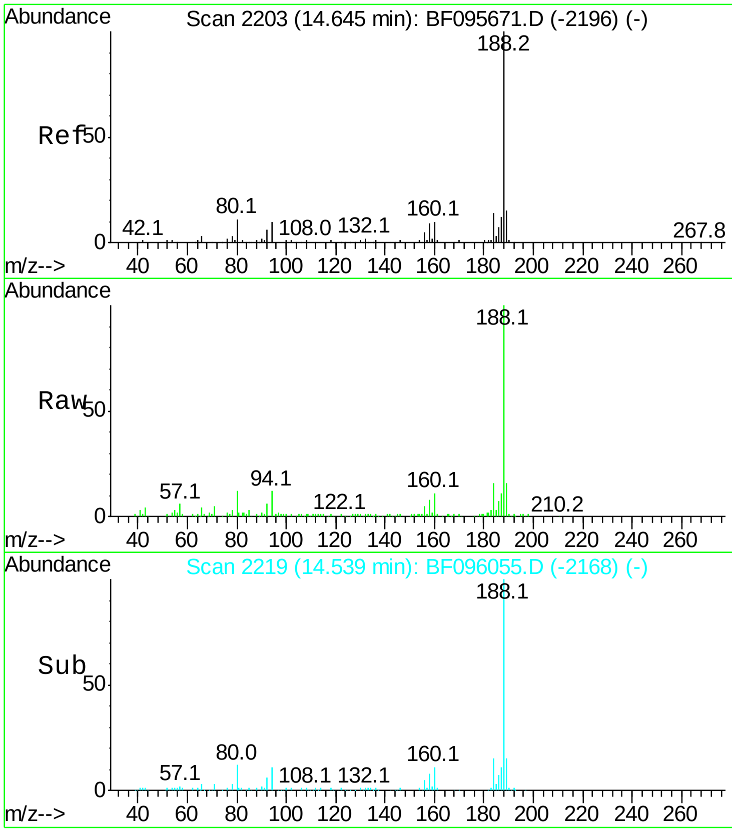


#57
Fluorene
Concen: 16.09 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:166 Resp: 128543

Ion	Ratio	Lower	Upper
166	100		
165	106.1	78.8	118.2
167	15.1	10.6	16.0



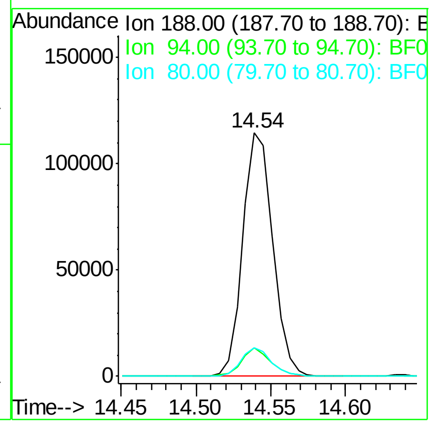


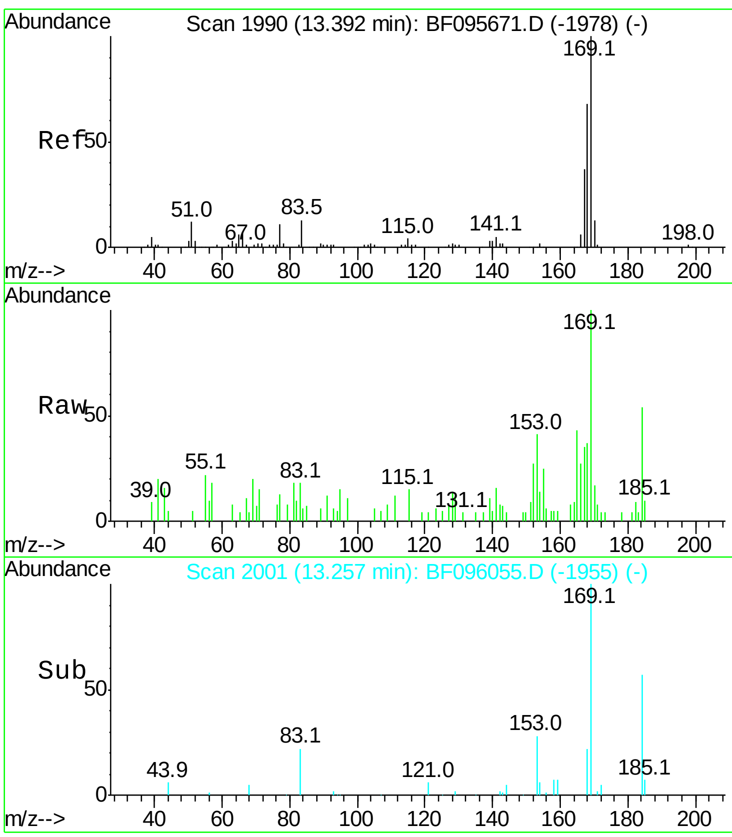
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument : BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 159417

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.9	10.2	15.2

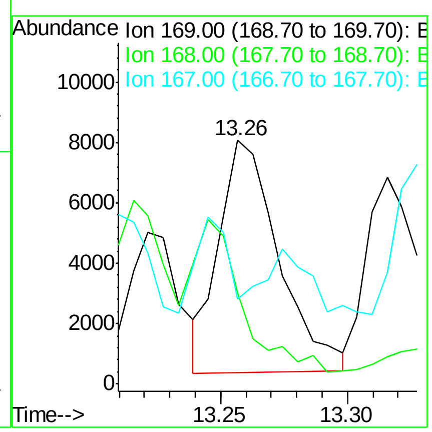


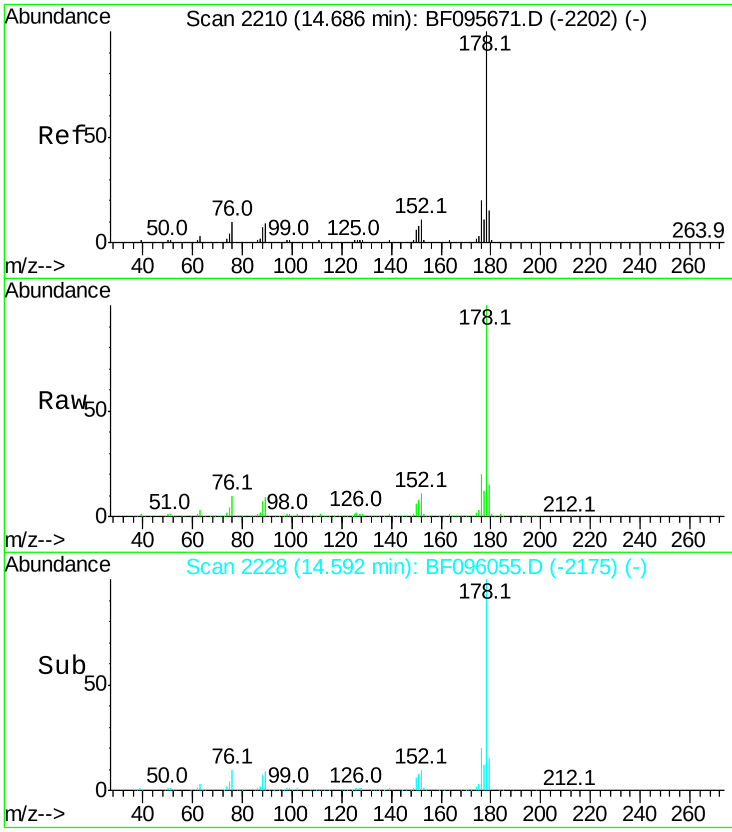


#65
n-Nitrosodiphenylamine
Concen: 2.21 ng
RT: 13.26 min Scan# 2001
Delta R.T. -0.03 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:169 Resp: 12645

Ion	Ratio	Lower	Upper
169	100		
168	37.3	53.2	79.8#
167	34.8	29.5	44.3



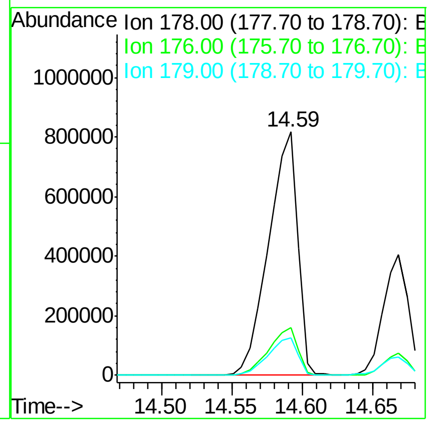


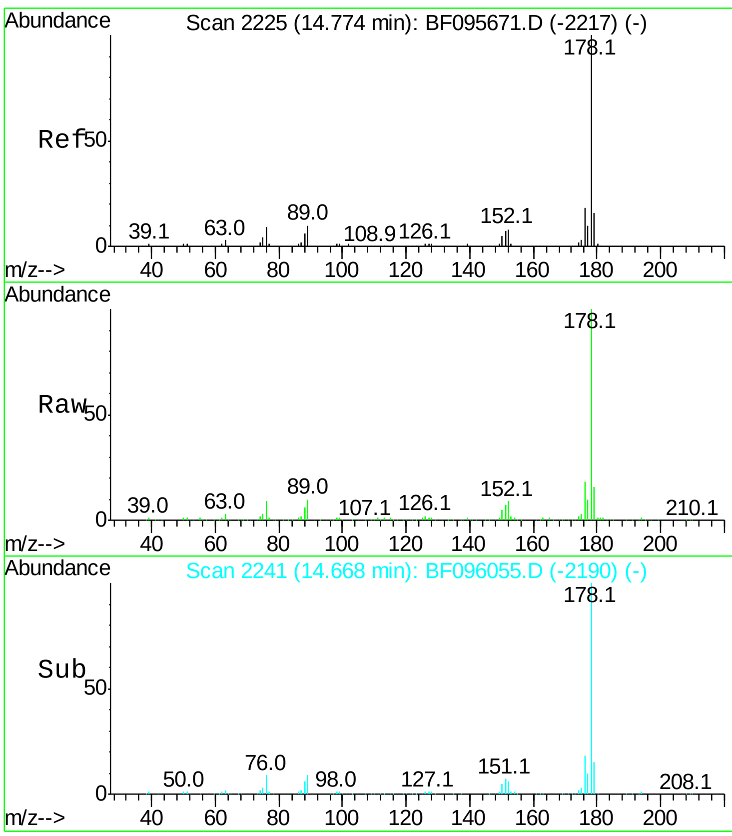
#70
Phenanthrene
Concen: 128.47 ng
RT: 14.59 min Scan# 2228
Delta R.T.   0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1181737

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.5	12.6	19.0

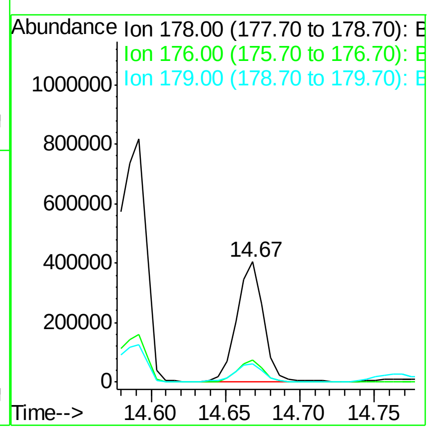




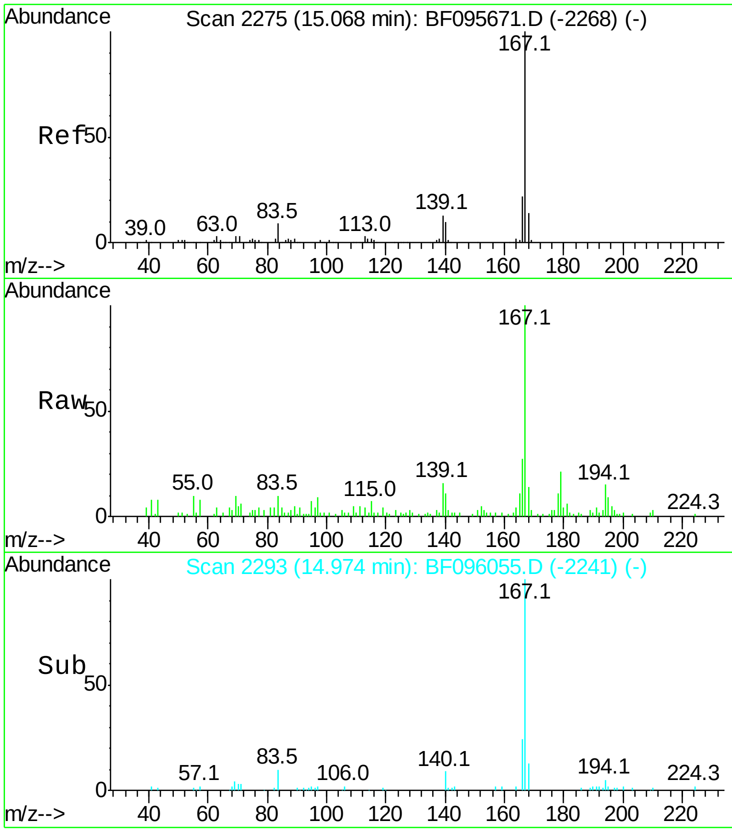
#71
Anthracene
Concen: 52.11 ng
RT: 14.67 min Scan# 2241
Delta R.T.   0.00 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:178 Resp: 500453

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.7	12.7	19.1



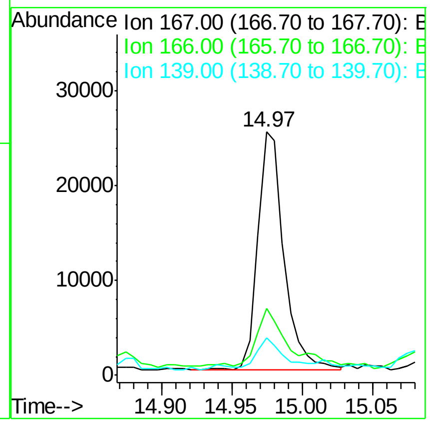
Instrument :
BNA_F
ClientSampleId :

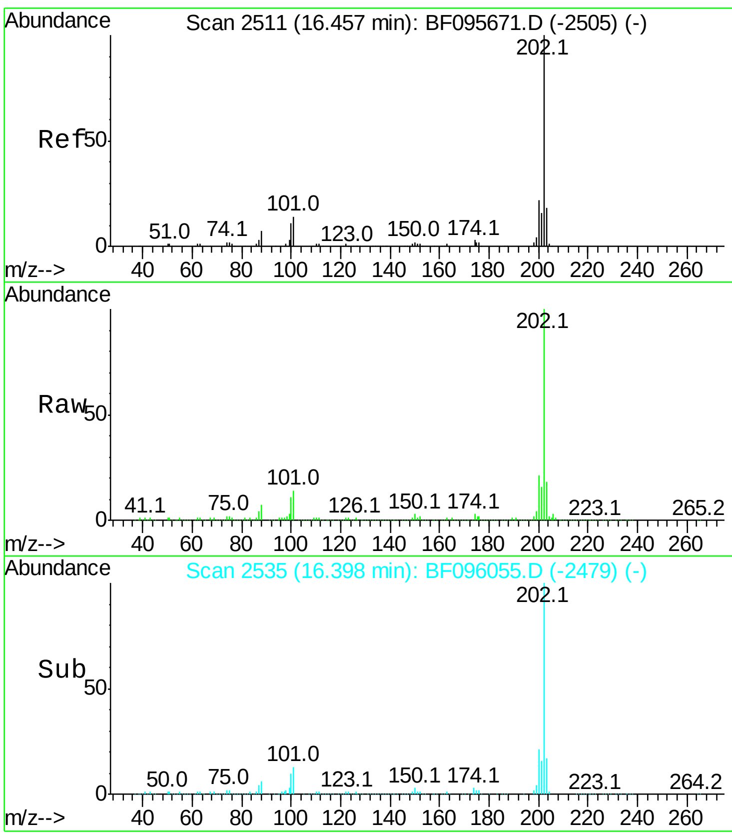


#72
Carbazole
Concen: 3.53 ng
RT: 14.97 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:167 Resp: 33005

Ion	Ratio	Lower	Upper
167	100		
166	27.3	18.1	27.1#
139	15.6	11.7	17.5

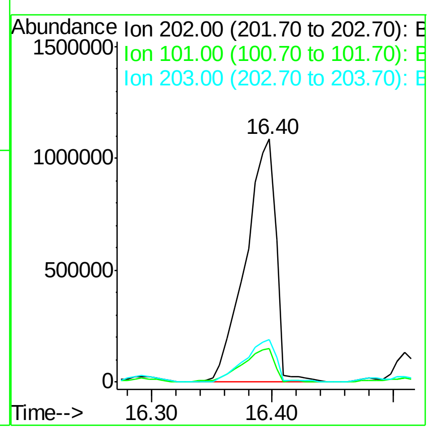


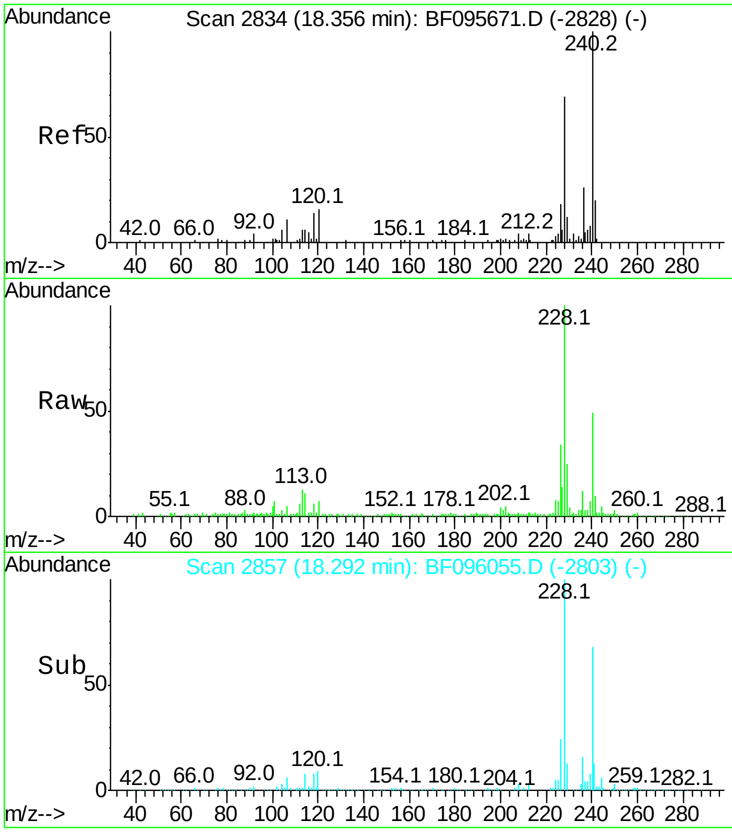


#74
Fluoranthene
Concen: 209.32 ng
RT: 16.40 min Scan# 2535
Delta R.T. 0.03 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:202 Resp: 1905685

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.7	0.0	38.1

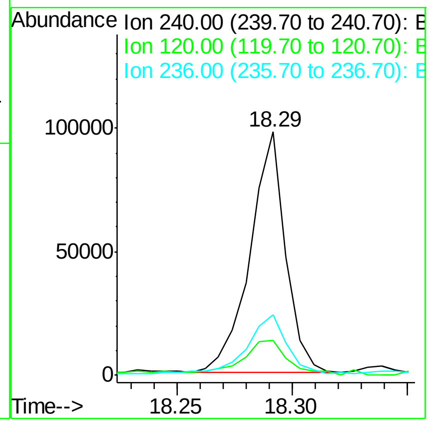


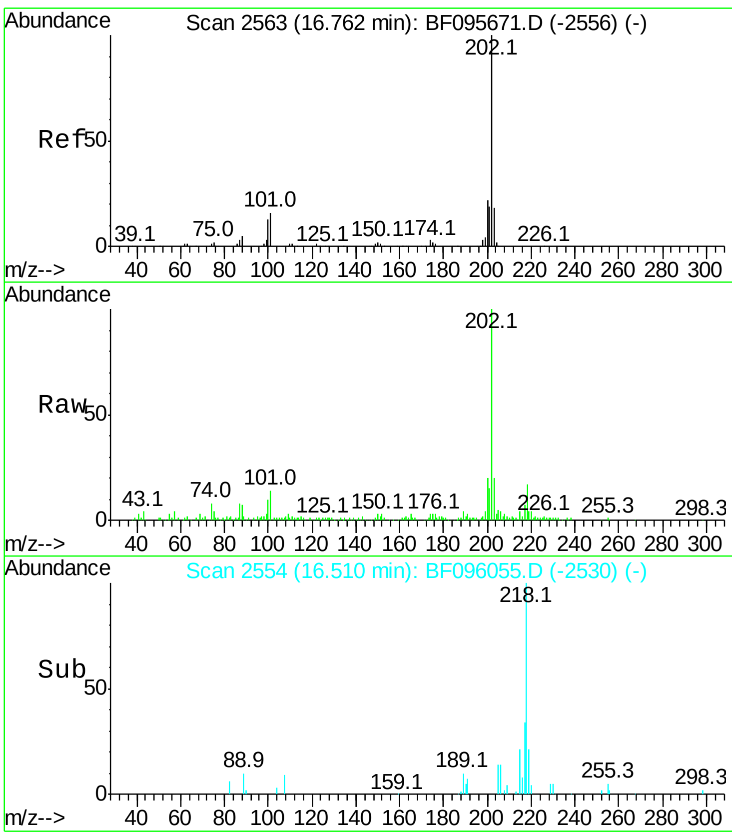


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.29 min   Scan# 2857
Delta R.T.   0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017   20:47

Instrument :
BNA_F
ClientSampleId :

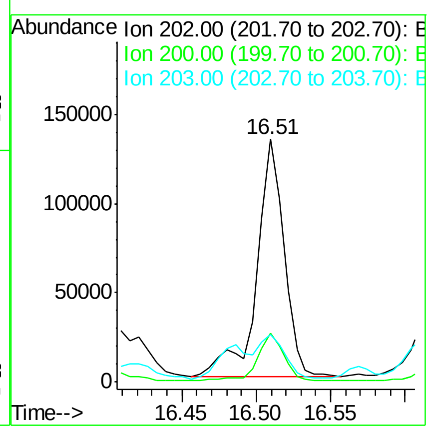
Tgt Ion:240	Resp:	104051	
Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.7	20.5	30.7

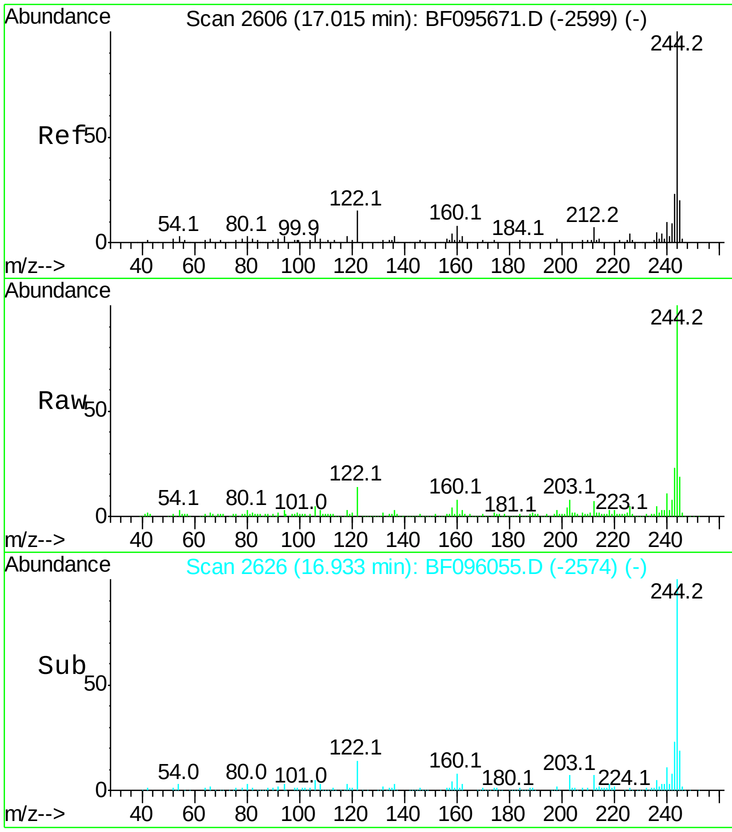




#77
Pyrene
Concen: 21.59 ng
RT: 16.51 min   Scan# 2554
Delta R.T.   -0.16 min
Lab File: BF096055.D
Acq: 20 Jun 2017   20:47

Tgt Ion:202	Resp:	167584	
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	19.9	14.4	21.6



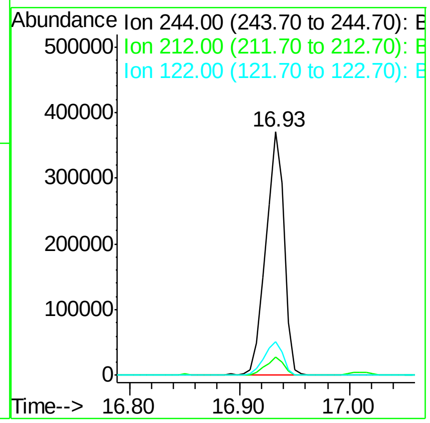


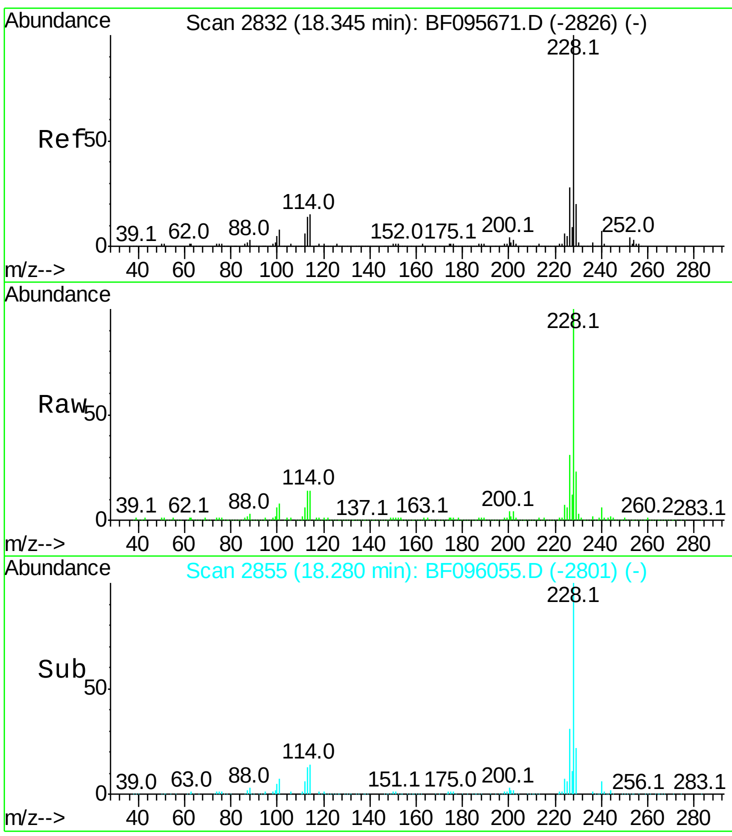
#78
Terphenyl-d14
Concen: 103.74 ng
RT: 16.93 min Scan# 2626
Delta R.T. 0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 434946

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.0	10.3	15.5

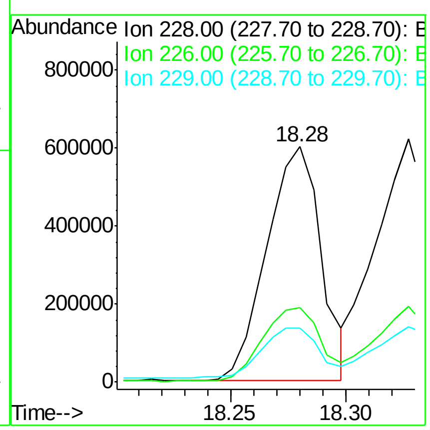


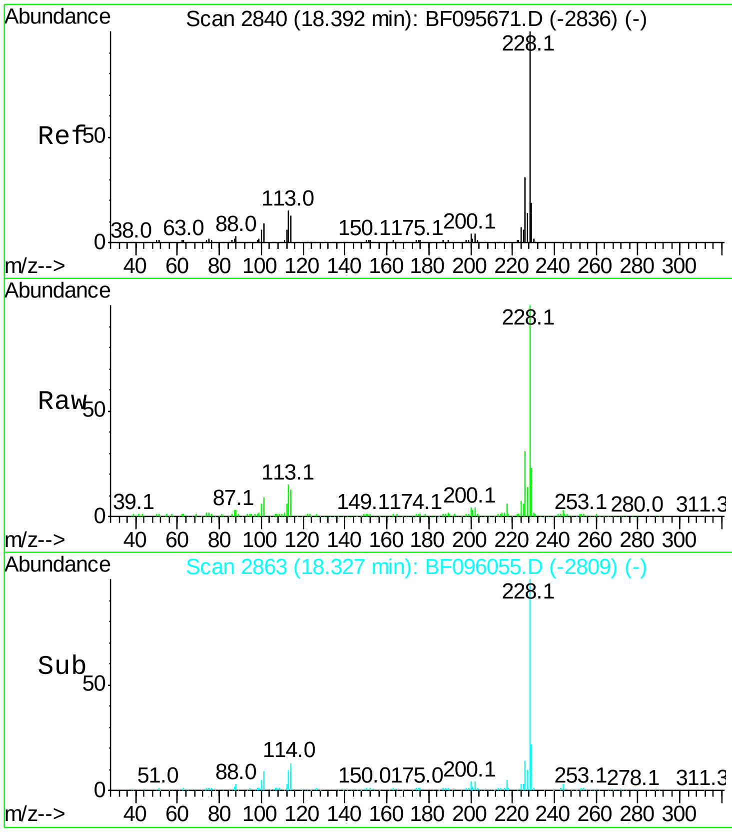


#80
Benzo(a)anthracene
Concen: 162.45 ng
RT: 18.28 min Scan# 2855
Delta R.T. 0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:228 Resp: 982766

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	23.0	16.3	24.5



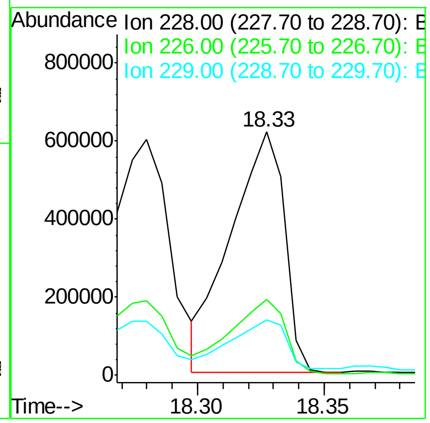


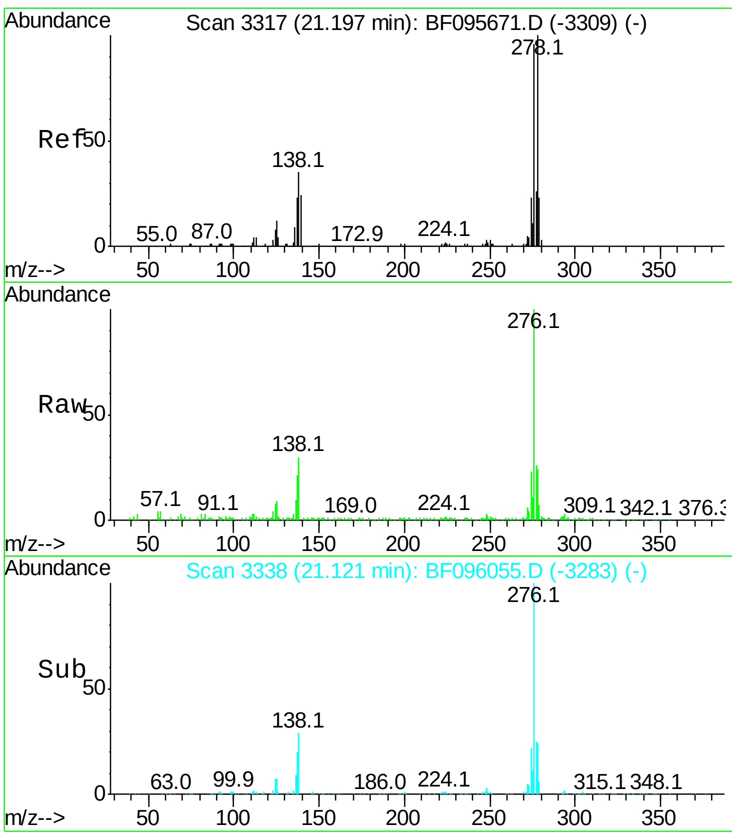
#82
Chrysene
Concen: 151.52 ng
RT: 18.33 min Scan# 2863
Delta R.T. 0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 916011

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	23.0	15.8	23.6

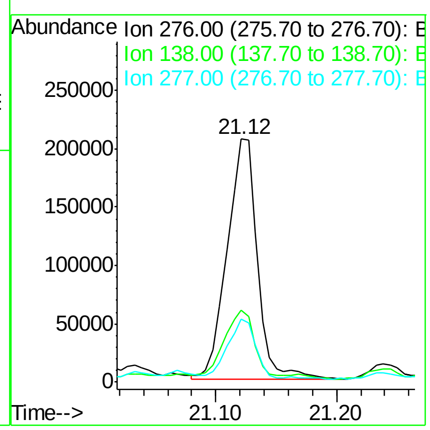


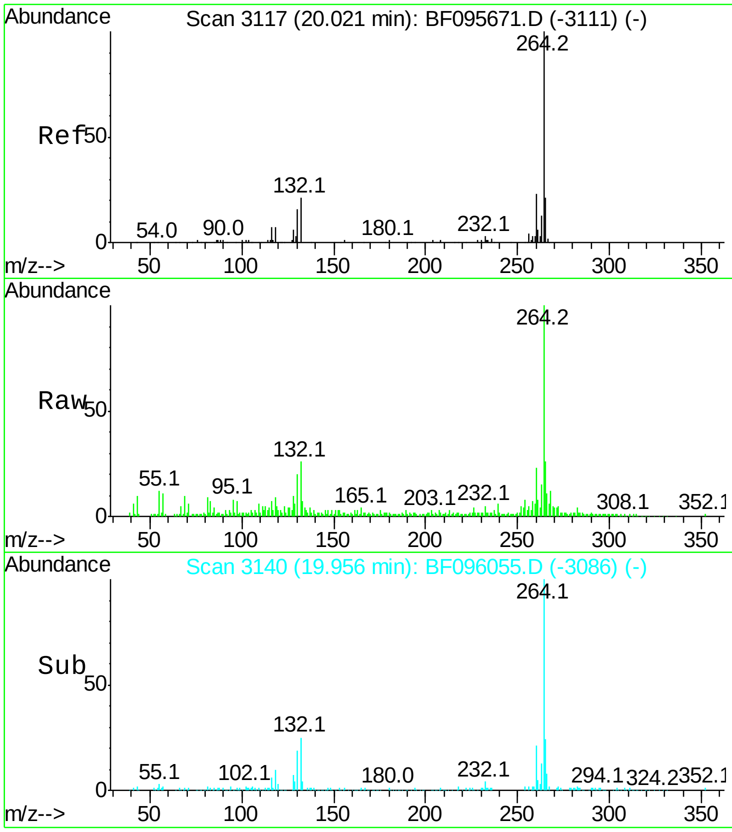


#85
Indeno(1,2,3-cd)pyrene
Concen: 68.92 ng
RT: 21.12 min Scan# 3338
Delta R.T. 0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:276 Resp: 356501

Ion	Ratio	Lower	Upper
276	100		
138	26.3	27.8	41.6#
277	24.8	20.2	30.4



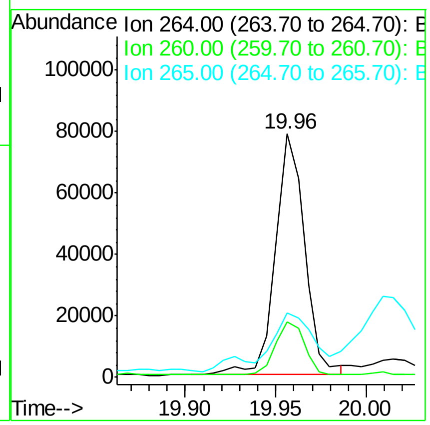


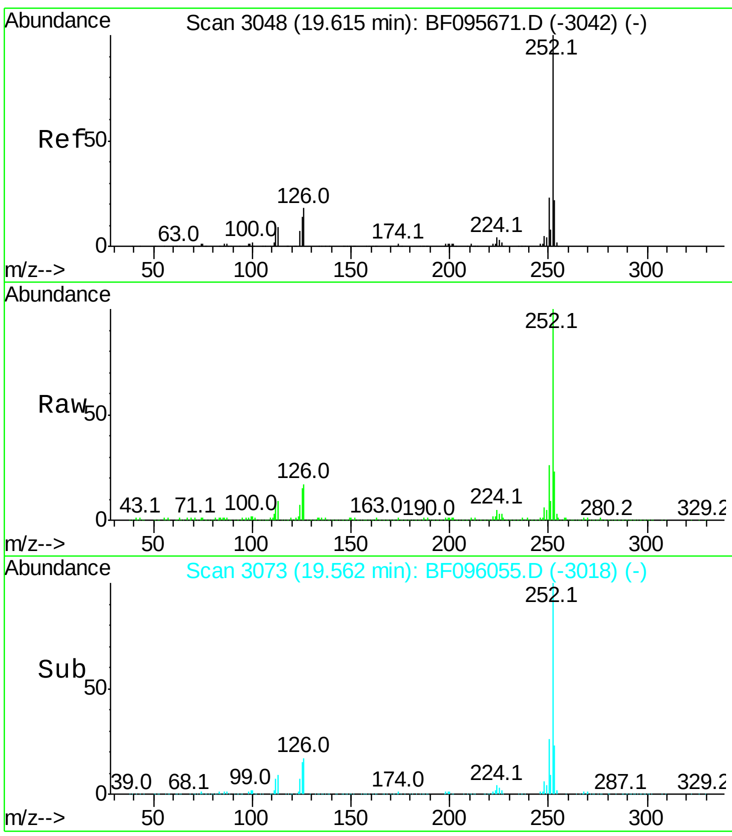
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3140
Delta R.T. 0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 88936

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	26.3	17.2	25.8#

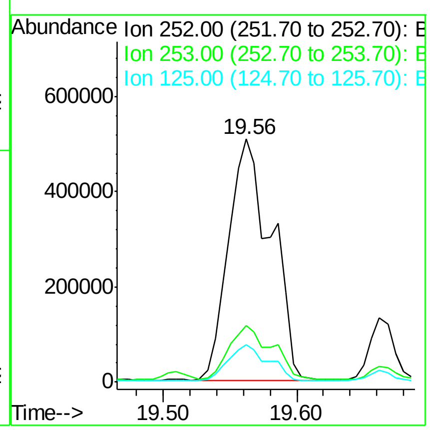


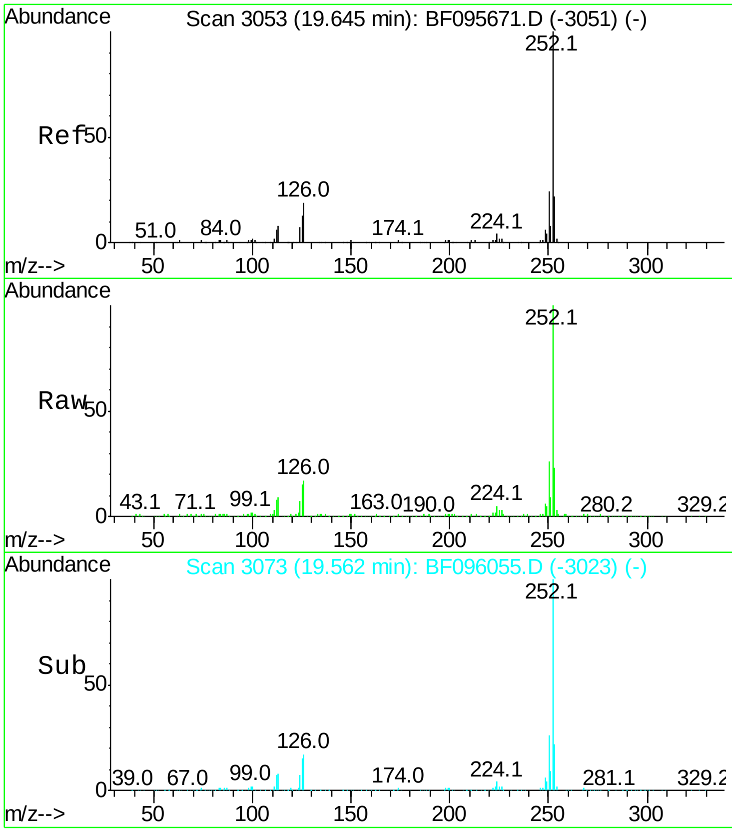


#87
Benzo(b)fluoranthene
Concen: 203.39 ng
RT: 19.56 min Scan# 3073
Delta R.T. 0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:252 Resp: 1132661

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	15.3	9.8	14.8#



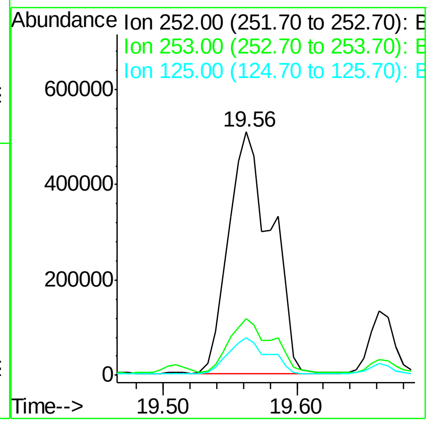


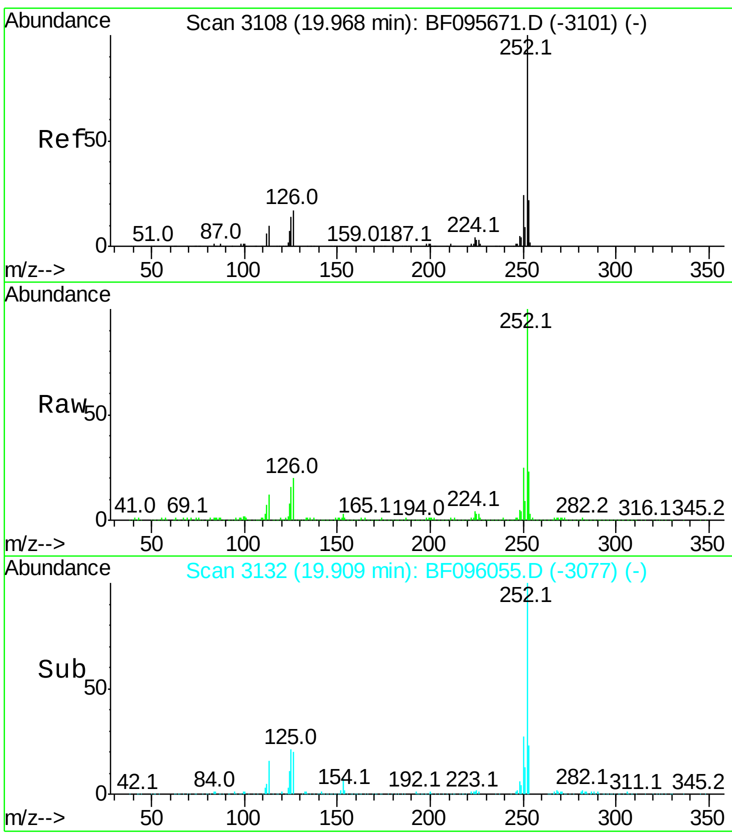
#88
Benzo(k)fluoranthene
Concen: 212.79 ng
RT: 19.56 min   Scan# 3073
Delta R.T.   -0.01 min
Lab File: BF096055.D
Acq: 20 Jun 2017   20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1132661

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	15.3	13.1	19.7

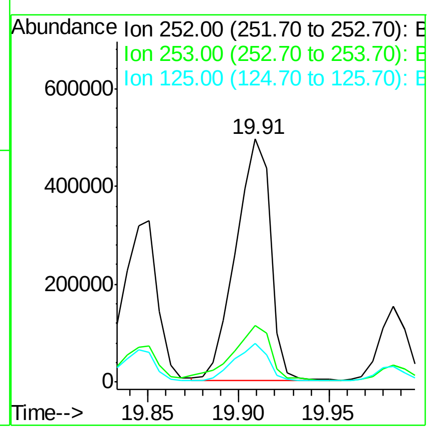


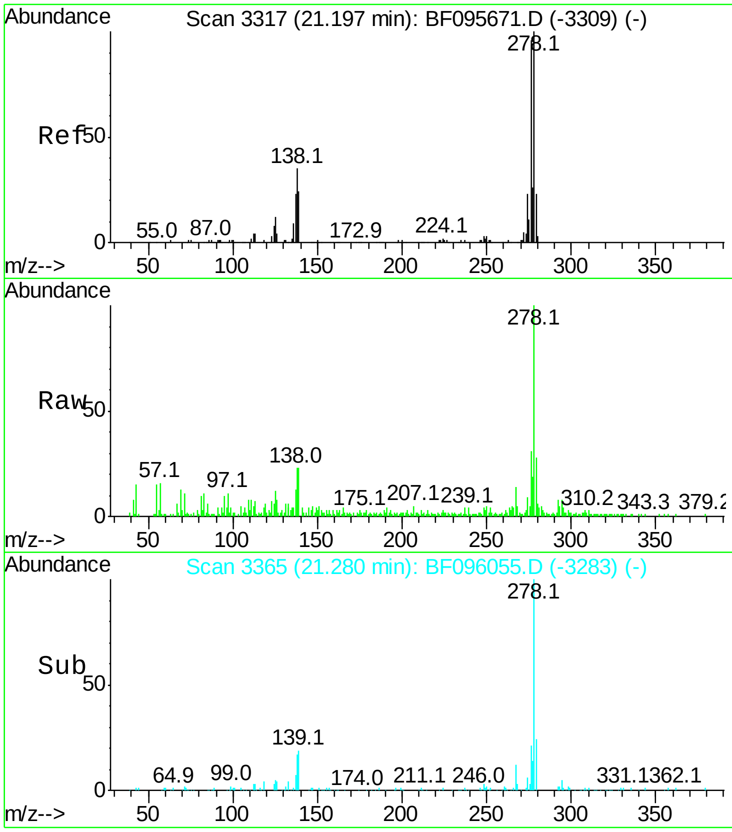


#89
Benzo(a)pyrene
Concen: 128.69 ng
RT: 19.91 min   Scan# 3132
Delta R.T.   0.02 min
Lab File: BF096055.D
Acq: 20 Jun 2017   20:47

Tgt Ion:252 Resp: 658694

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.7	11.0	16.4



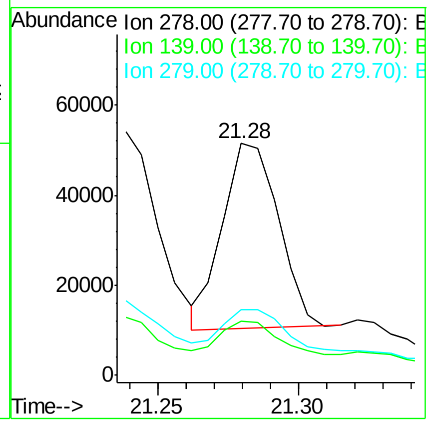


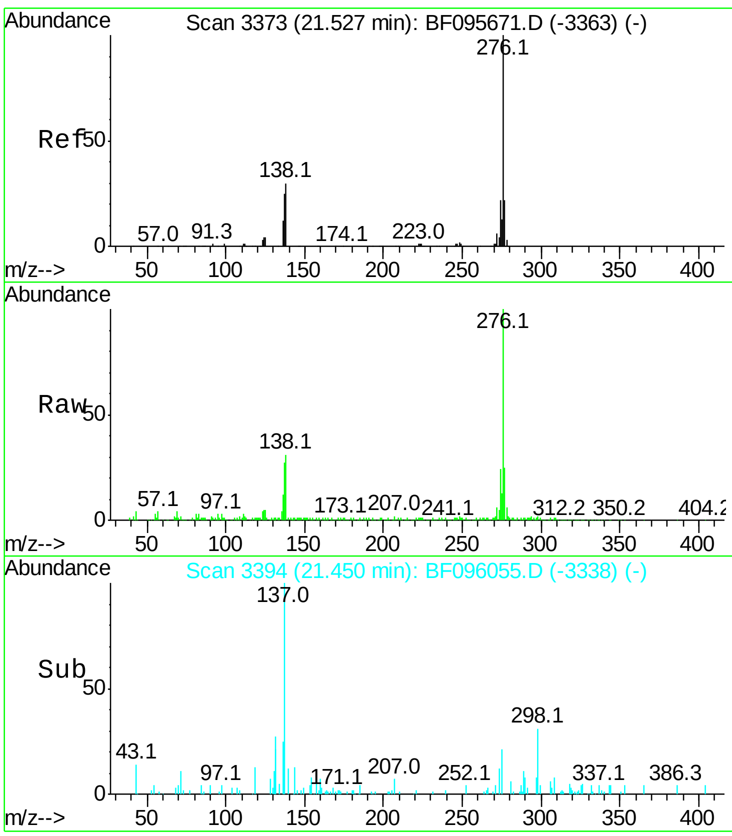
#90
Dibenzo(a,h)anthracene
Concen: 13.09 ng
RT: 21.28 min Scan# 3365
Delta R.T. 0.18 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 56823

Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.6	24.8
279	28.4	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 77.00 ng
RT: 21.45 min Scan# 3394
Delta R.T. 0.03 min
Lab File: BF096055.D
Acq: 20 Jun 2017 20:47

Tgt Ion:276 Resp: 340818

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	31.1	25.4	38.0