Figure S1

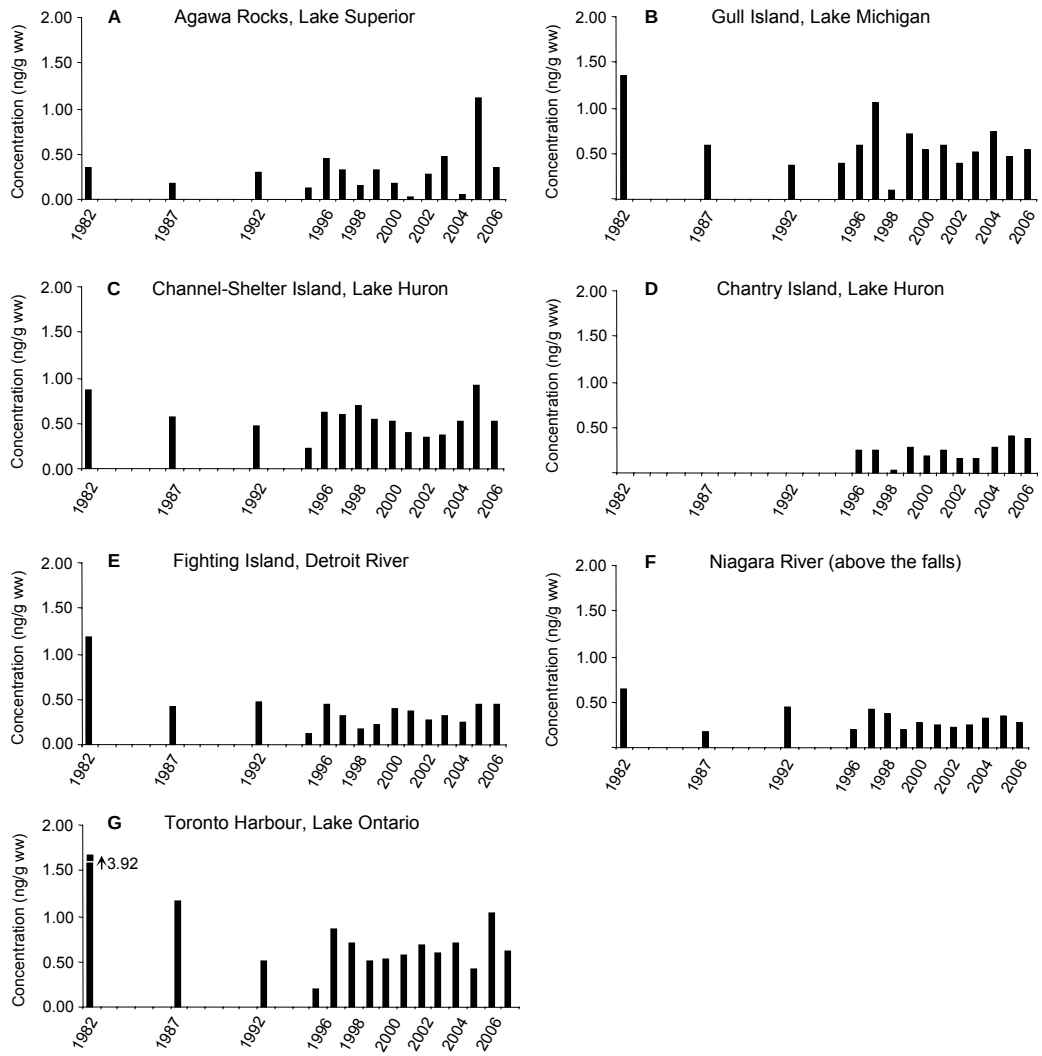

A
Agawa Rocks, Lake Superior
B
Gull Island, Lake Michigan
C
Channel-Shelter Island, Lake Huron
D
Chantry Island, Lake Huron
E
Fighting Island, Detroit River
F
Niagara River (above the falls)
G
Toronto Harbour, Lake Ontario
Concentration (ng/g ww)
2.00
1.50
1.00
0.50
0.00
3.92
1982
1987
1992
1996
1998
2000
2002
2004
2006

Figure S2

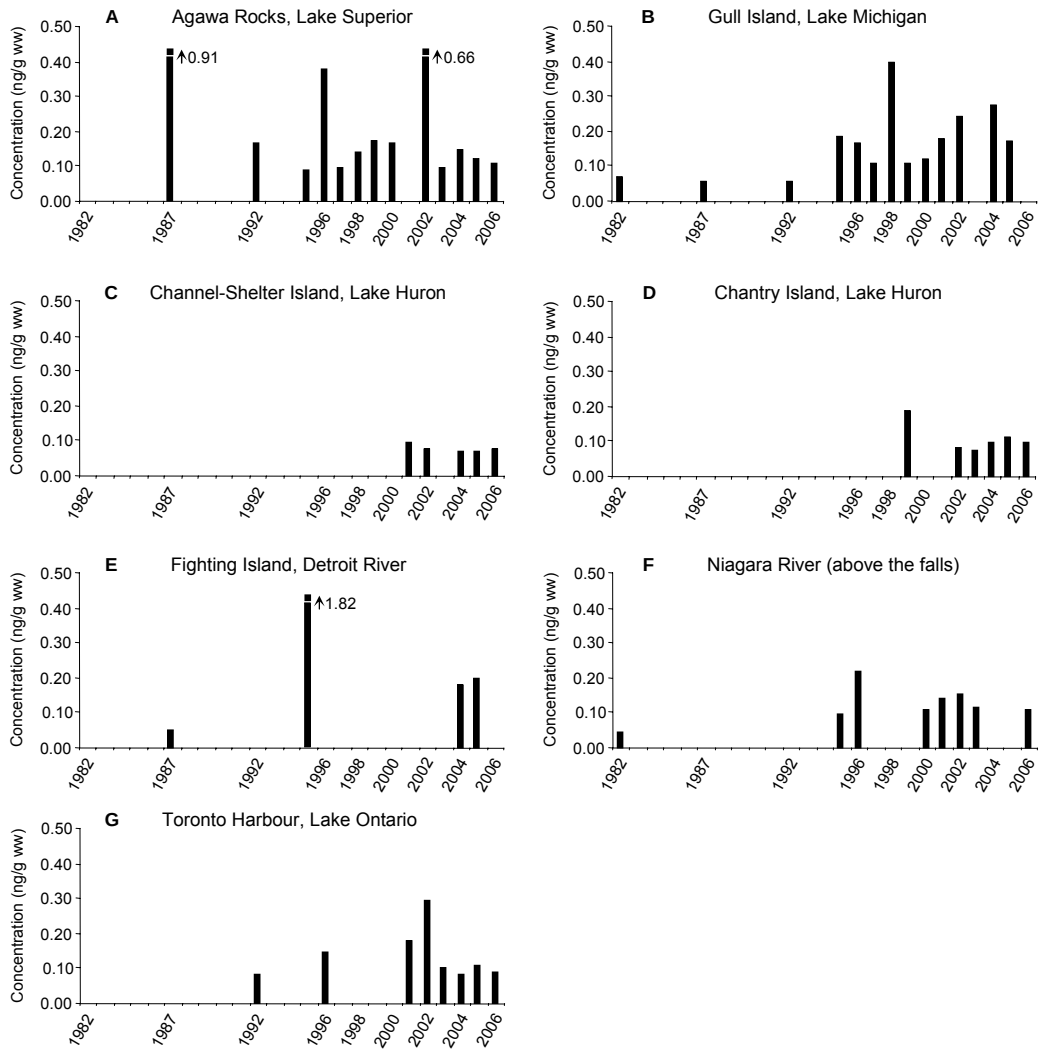

A
Agawa Rocks, Lake Superior
0.91
0.66
B
Gull Island, Lake Michigan
C
Channel-Shelter Island, Lake Huron
D
Chantry Island, Lake Huron
E
Fighting Island, Detroit River
1.82
F
Niagara River (above the falls)
G
Toronto Harbour, Lake Ontario
Concentration (ng/g ww)
0.00
0.10
0.20
0.30
0.40
0.50
1982
1987
1992
1996
1998
2000
2002
2004
2006

Figure S3

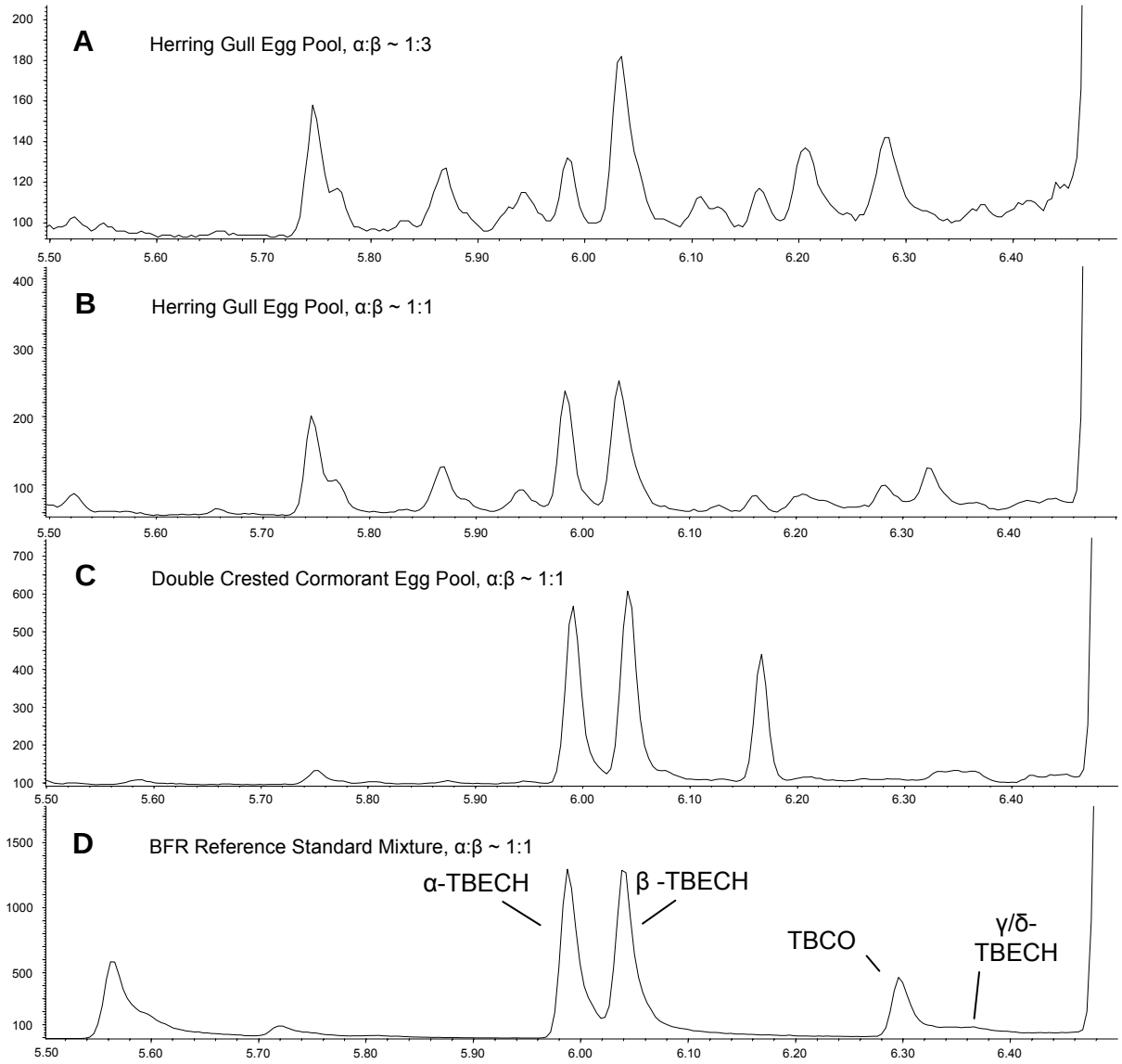

A
Herring Gull Egg Pool, α:β ~ 1:3
B
Herring Gull Egg Pool, α:β ~ 1:1
C
Double Crested Cormorant Egg Pool, α:β ~ 1:1
D
BFR Reference Standard Mixture, α:β ~ 1:1
α-TBECH
β -TBECH
TBCO
γ/δ-
TBECH

Figure S4

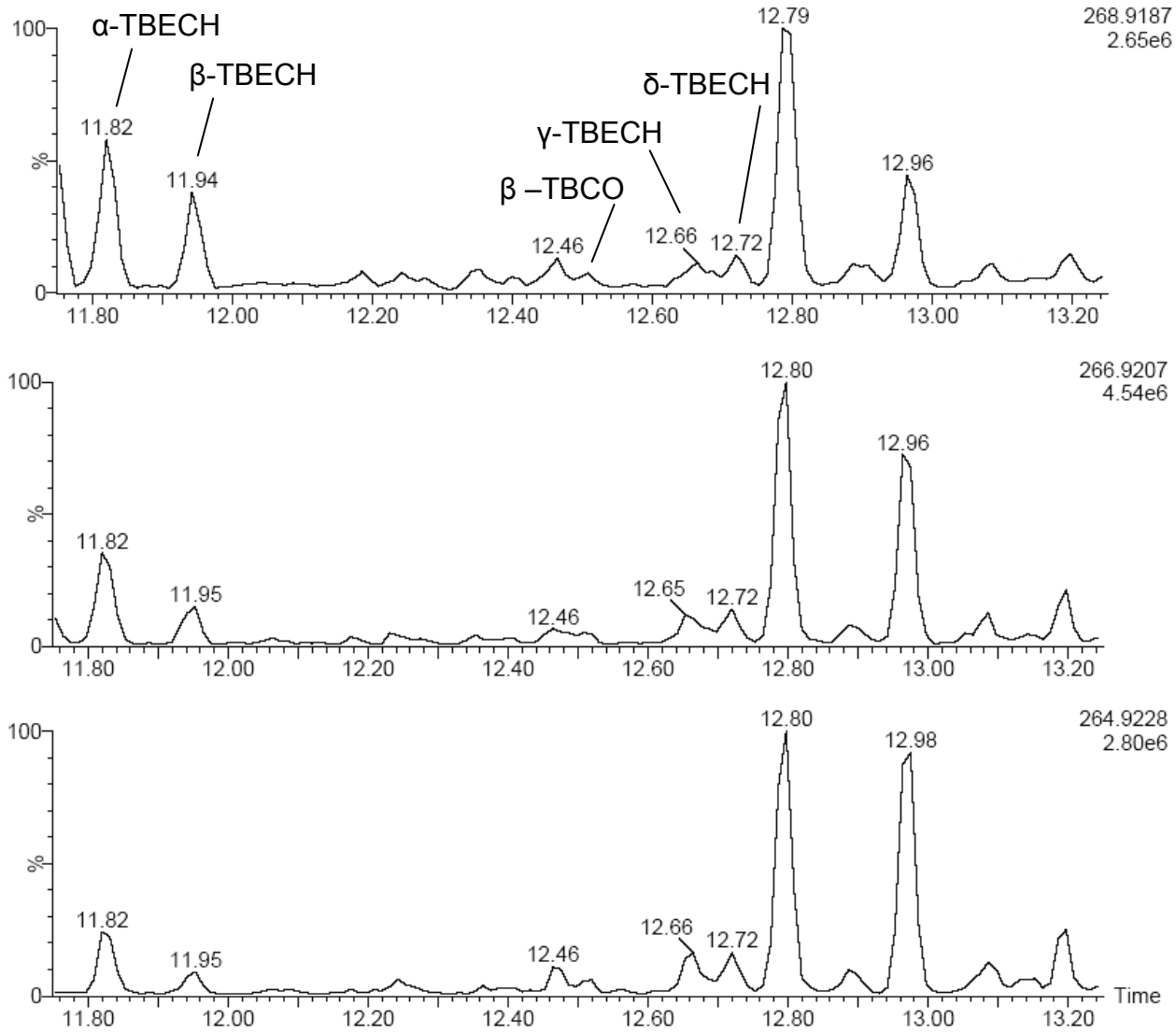

α-TBECH
β-TBECH
γ-TBECH
δ-TBECH
β –TBCO
268.9187
2.65e6
266.9207
4.54e6
264.9228
2.80e6
11.82
11.94
12.46
12.66
12.72
12.79
12.96
11.95
12.65
12.80
12.98
100
%
0
11.80
12.00
12.20
12.40
12.60
12.80
13.00
13.20
Time

Figure S5

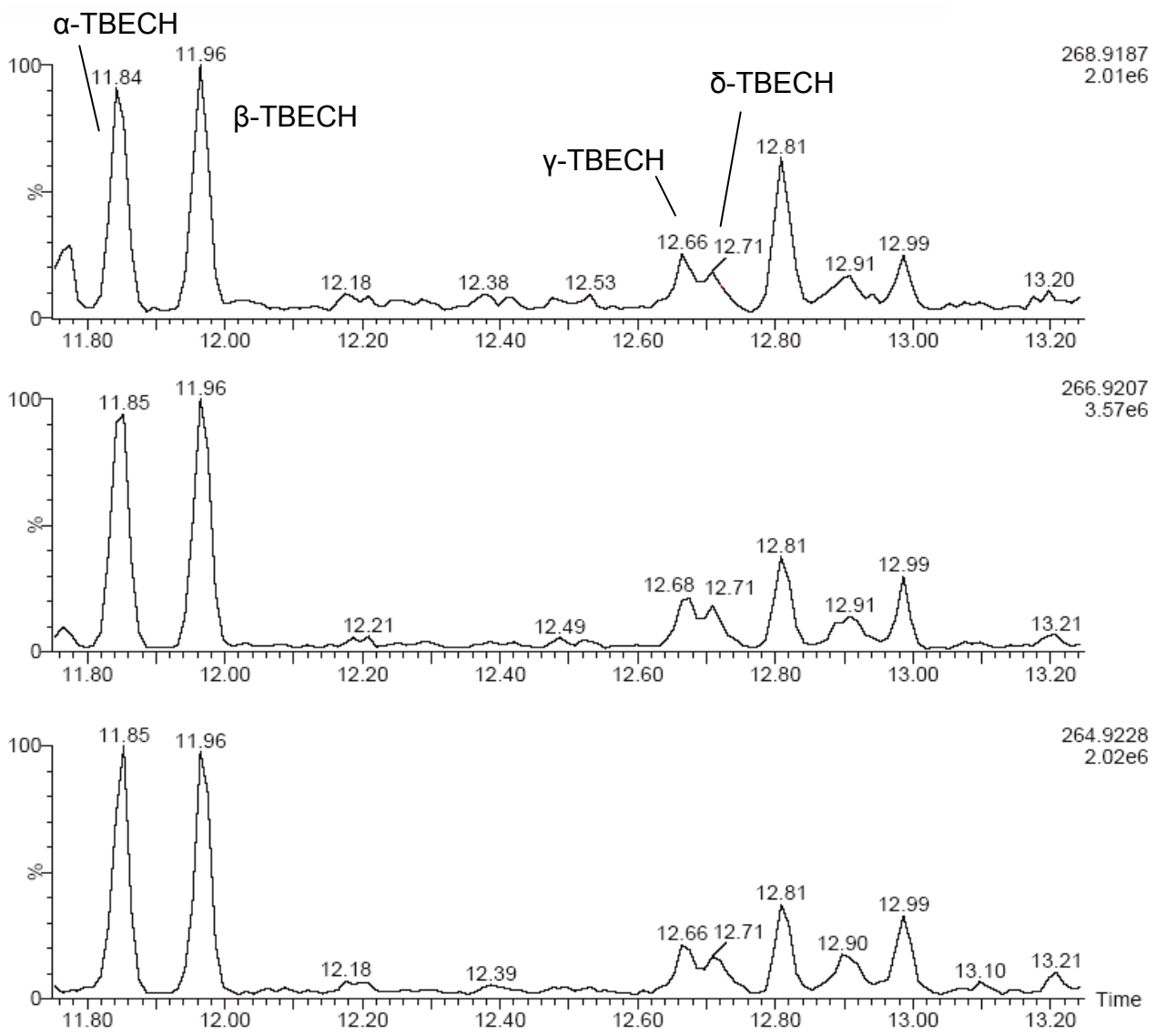

α-TBECH
β-TBECH
γ-TBECH
δ-TBECH
268.9187
2.01e6
266.9207
3.57e6
264.9228
2.02e6
Time

Figure S6

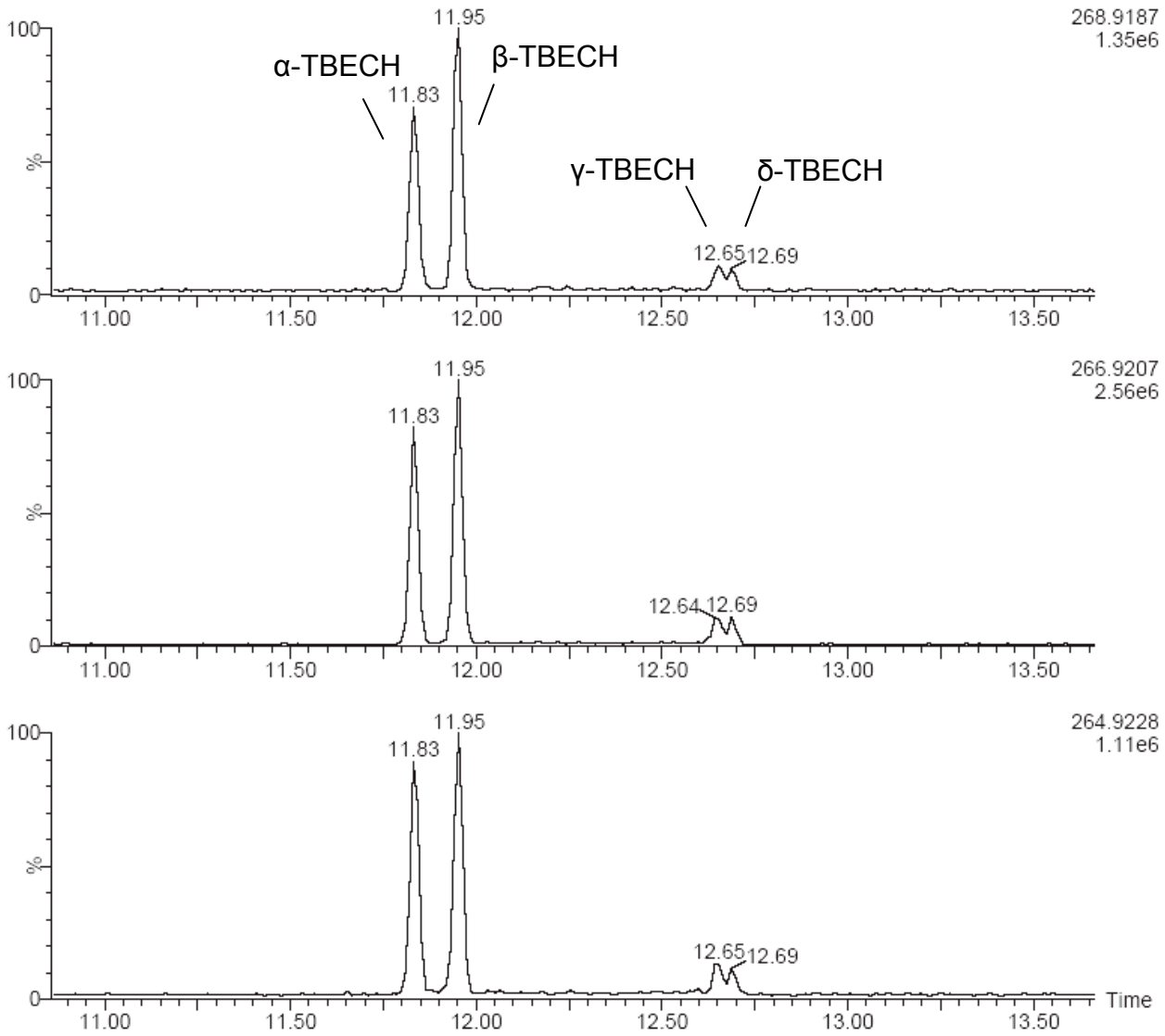
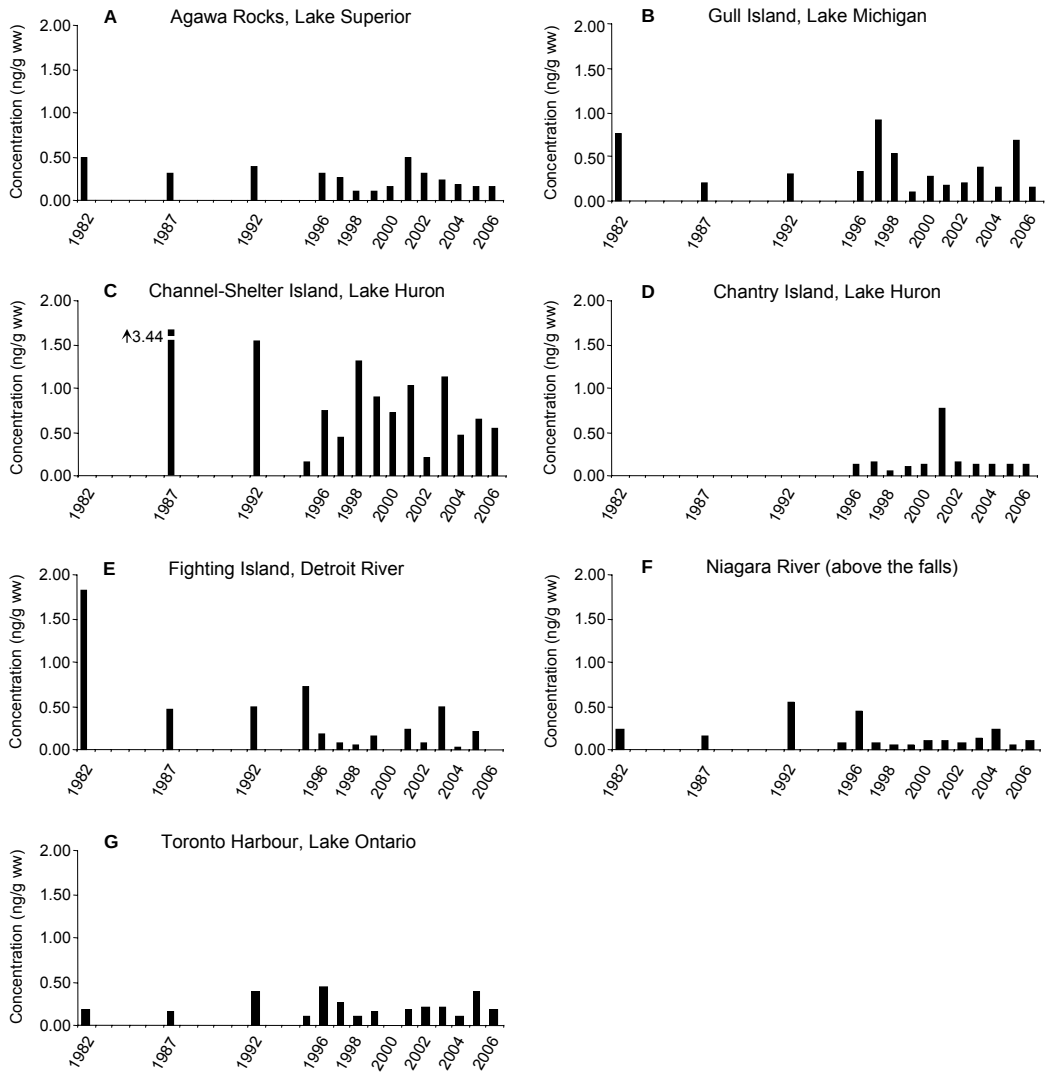

α-TBECH
β-TBECH
γ-TBECH
δ-TBECH
11.83
11.95
12.65
12.69
268.9187
1.35e6
266.9207
2.56e6
264.9228
1.11e6
100
%
0
11.00
11.50
12.00
12.50
13.00
13.50
Time

Figure S7


A
Agawa Rocks, Lake Superior
B
Gull Island, Lake Michigan
C
Channel-Shelter Island, Lake Huron
3.44
D
Chantry Island, Lake Huron
E
Fighting Island, Detroit River
F
Niagara River (above the falls)
G
Toronto Harbour, Lake Ontario
Concentration (ng/g ww)
2.00
1.50
1.00
0.50
0.00
1982
1987
1992
1996
1998
2000
2002
2004
2006