

Supporting Information

Temporal variation of the profile and concentrations of paralytic shellfish toxins and tetrodotoxin in the scallop, *Patinopecten yessoensis*, cultured in a bay of east Japan

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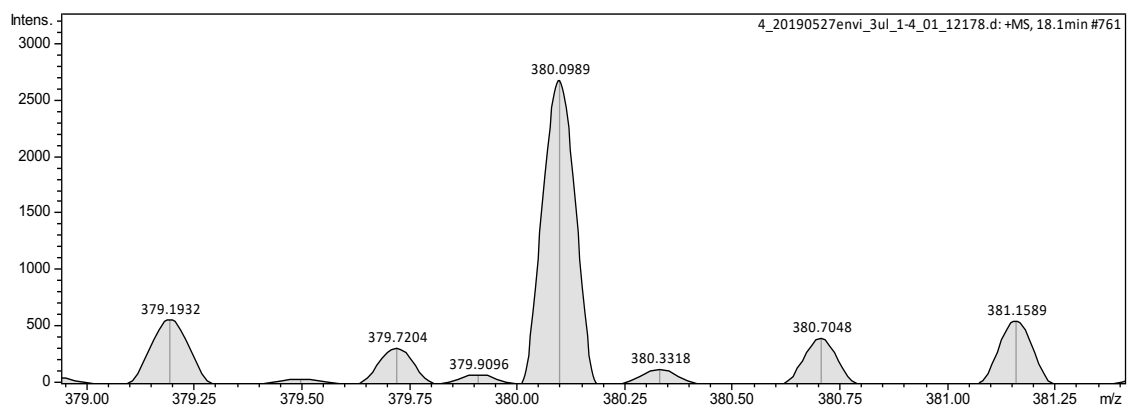


Figure S1. HR-MS spectrum of 12 β -deoxyGTX3 detected in the hepatopancreas of scallops.

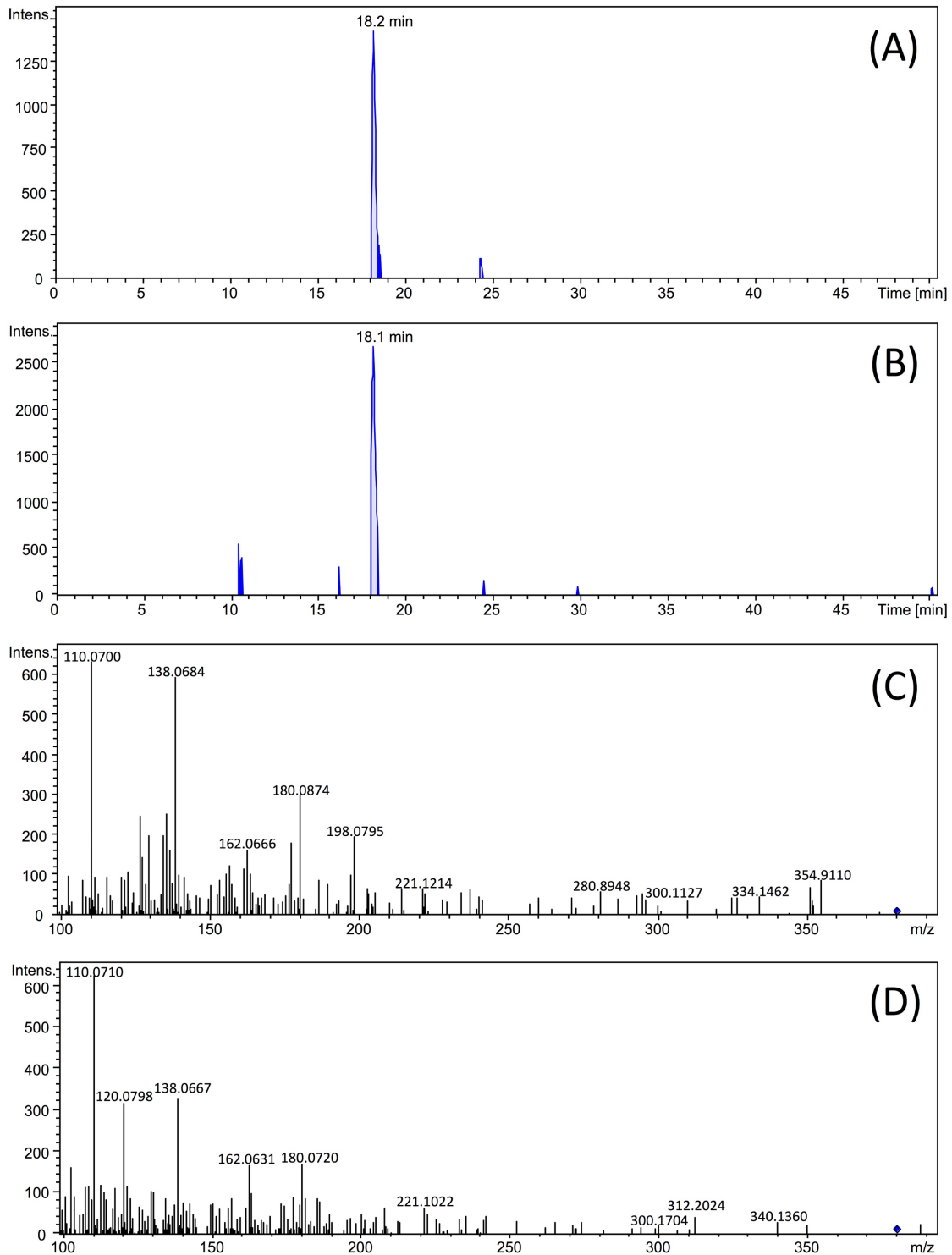


Figure S2. HR-LC-MS chromatograms (A, B) detected at m/z 380.0979 ± 0.05 and HR-LC-MS/MS spectra (C, D) of authentic 12β-deoxyGTX3 (A, C) and the sample solution from the hepatopancreas of scallops (B, D). The retention time of 12β-deoxyGTX3 was

different from those in Figures 2, 3, and 5, using the slightly different solvent for LC-MS from that for those figures (see, Section 4.7). The HR-LC-MS conditions are same as those described in text (Section 4.8) without MS/MS.

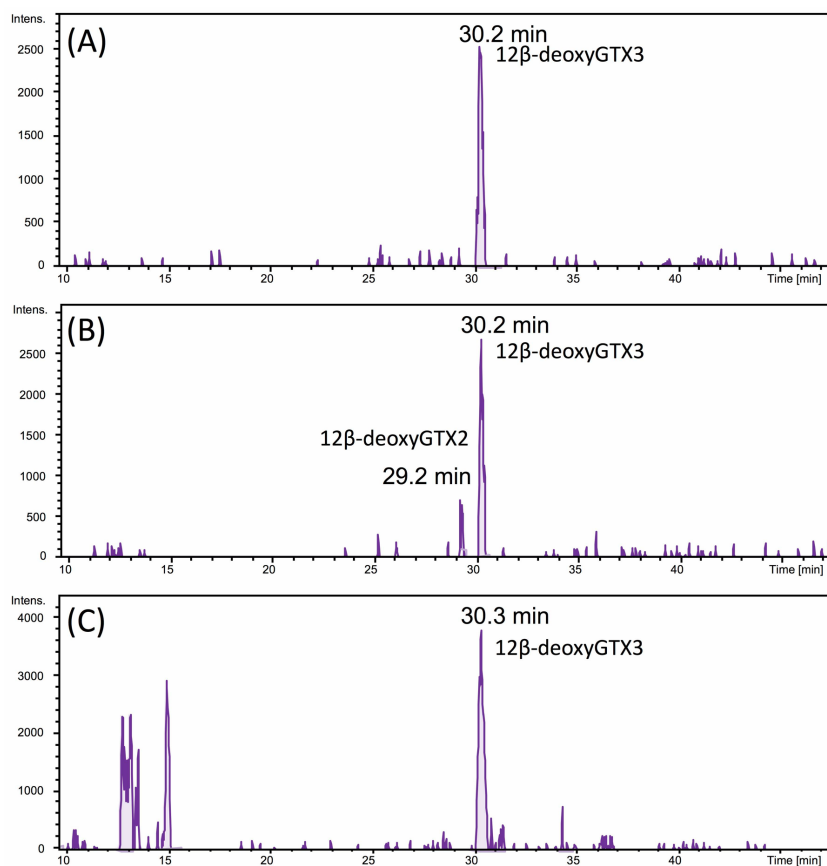


Figure S3. HR-LC-MS chromatograms of synthetic 12 β -deoxyGTX3 (A) [53], the mixture of synthetic 12 β -deoxyGTX2 and 12 β -deoxyGTX3 (B), and the sample solution from the hepatopancreas of scallops (C) detected at m/z 380.0979 \pm 0.05 under the column switching condition reported in [54].