Supplementary Materials: Development of an Efficient Extraction Method for Harvesting Gymnodimine-A from Large-Scale Cultures of *Karenia selliformis*

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Table S1. Recovery (%) of spiked GYM-A with different concentrations (ng mL^{-1}) in seawater loading on HLB SPE cartridge.

Spiked Concentration	Recovery	RSD
97	99	2.0
10	101	1.8
1.1	104	1.3

Table S2. Intracellular GYM-A content in different growth stages of *Karenia selliformis* (fg $cell^{-1}$).

Growth time (day)	5	10	15	20	25	30
Intracellular GYM-A	107	102	64	55	82	149

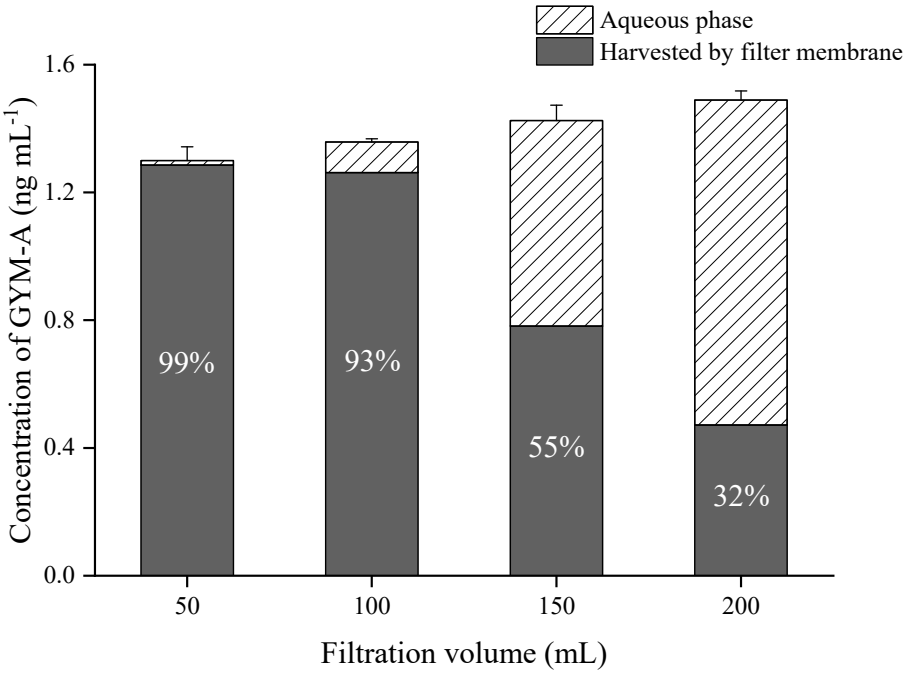

Figure S1. GYM-A distribution in algal pellets on filter and aqueous phase when collecting different volumes of *K. selliformis cultures* by filter filtration

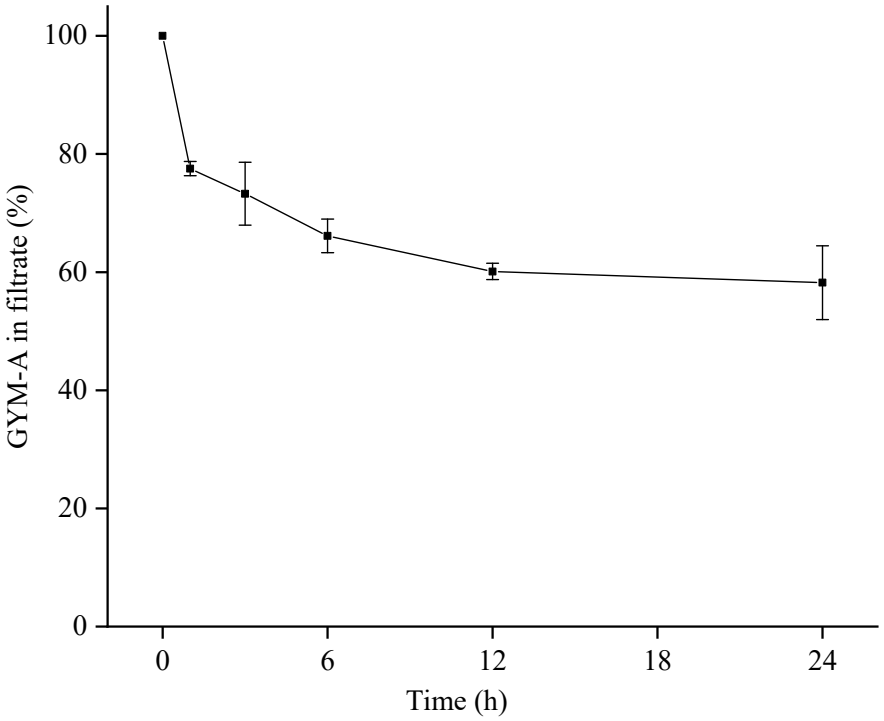

Figure S2. Variation of GYM-A content (%) in *K. selliformis* filtrate with adsorption time of HP20 resin bag.

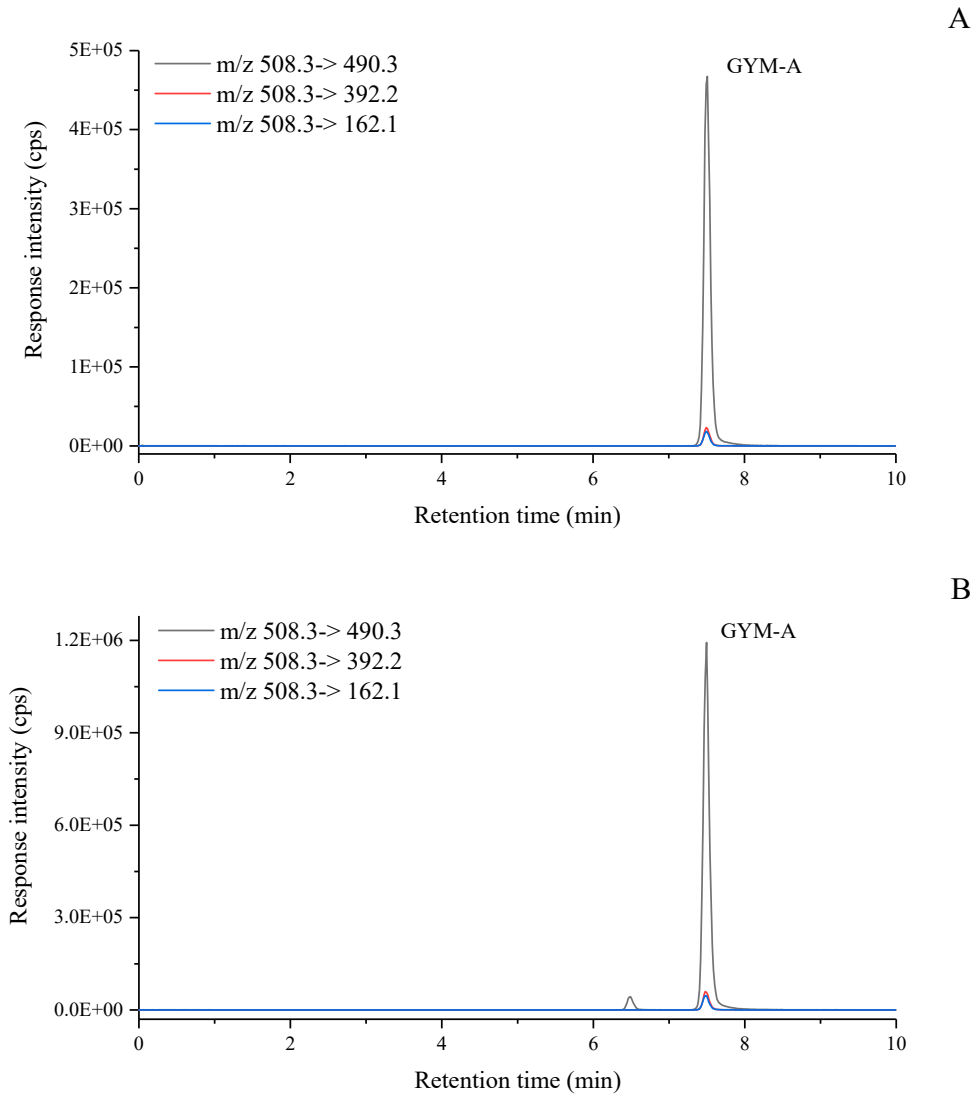

Figure S3. LC-MS/MS chromatograms of GYM-A in standard (A) and crude GYM-A methanolic extracts (B).