TABLE 1.

Concentration of YTXs in *M. edulis* in microgram YTX equivalents per kilogram wet weight.

Transition	*m/z* 1,141.5 > 1,061.5	*m/z* 1,157.5 > 1,077.5	*m/z* 1,173.5 > 1,093.5	*m/z* 1,189.5 > 1,089.5	*m/z* 1,047.5 > 967.5	*m/z* 1,191.5 > 1,111.5
Retention time (min)	21.3	19.4	18.5	18.7	19.5	18.2
Time (day)			concentration (µg/kg BW)			
2	9.12	6.50	7.42	2.66	1.77	2.81
4	9.18	7.30	10.44	3.69	2.35	3.35
6	8.14	8.01	11.69	4.44	2.03	2.83
8	10.95	9.73	15.24	6.54	3.89	4.42
10	9.89	11.50	16.18	4.74	3.20	3.09
12	7.20	9.38	13.61	5.55	4.07	3.15
14	8.03	9.64	9.91	6.43	2.88	2.63
16	28.92	24.98	36.29	16.50	12.93	13.63
22	22.84	19.24	25.88	17.01	9.06	11.45
24	28.35	48.27	60.84	30.98	22.51	14.17
26	25.40	27.63	40.17	24.64	21.50	14.63
28	33.93	57.86	51.55	24.57	18.42	11.20
30	22.86	28.38	29.07	20.60	11.51	7.95
32	19.14	31.42	25.74	24.86	12.04	13.09
34	13.06	13.85	21.68	13.75	7.57	7.78
36	11.67	16.18	21.64	17.89	14.58	7.98

toxification period, was calculated on the basis of cell densities and YTX load per cell.

Toxins in Bivalves: Accumulation, Metabolism, and Depuration

M. edulis contained YTX, 45-OH YTX, COOH YTX, and the putative 45-OH COOH YTX. The retention times (Rt) of the detected YTXs were YTX *m/z* 1,141.5 > 1,061.5 with an Rt of 21.3 min, 45-OH YTX *m/z* 1,157.5 > 1,077.5 with an Rt of 19.4 min, COOH YTX *m/z* 1,173.5 > 1,093.5 with an Rt of 18.2 min, and 45-OH-COOH YTX *m/z* 1,189.8 > 1,109.5 with an Rt of 18.7 min, *m/z* 1,047.5 > 967.5 with an Rt of 19.5 min, and *m/z* 1,191.5 > 1,111.5 with an Rt of 18.2 min. No strong increase of YTXs in the tissue was observed directly after start of the inoculation. The amount of all detected YTXs increased significantly after 16 days (Fig. 1, Table 1). We stopped feeding at day 16. After a break of 4 days, the concentration of the YTXs did not decrease. Subsequently, the levels of YTX, 45-OH

TABLE 2.

Concentration of YTXs in *C. gigas* in microgram YTX equivalents per kilogram wet weight.

Transition	*m/z* 1,141.5 > 1,061.5	*m/z* 1,157.5 > 1,077.5	*m/z* 1,173.5 > 1,093.5	*m/z* 1,189.5 > 1,089.5	*m/z* 1,047.5 > 967.5	*m/z* 1,191.5 > 1,111.5
Retention time (min)	21.3	19.4	18.5	18.7	19.5	18.2
Time (day)			concentration (µg/kg BW)			
2	23.00	32.96	20.77	n.d.	5.55	4.06
4	26.39	60.32	25.87	n.d.	10.04	4.54
6	23.66	20.23	16.93	n.d.	9.72	5.53
8	48.13	28.48	31.11	1.86	15.78	5.21
10	140.11	130.16	67.32	8.28	47.75	13.94
12	58.69	58.31	45.17	3.38	28.85	8.48
14	16.07	13.66	14.95	2.35	46.51	4.88
16	120.25	224.55	49.50	11.92	72.84	25.49
22	18.11	10.34	15.66	2.19	19.88	4.99
24	18.40	6.67	27.37	2.29	46.95	7.89
26	19.48	11.81	23.19	2.58	65.67	9.16
28	40.79	30.22	19.23	4.21	79.18	10.20
30	15.63	9.61	n.d	1.70	33.77	3.64
32	25.57	8.37	4.47	n.d	102.18	4.35
34	21.92	11.12	11.16	3.10	142.84	7.22
36	2.89	n.d.	n.d.	n.d.	n.d.	n.d.

n.d., not detected.