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2 **First Evidence of the Presence of Anatoxin-A in Sea** 3 **Figs Associated with Human Food Poisonings in** 4 **France**

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8 **Supplementary materials**

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Table S1. Chromatographic conditions for the Conditioning of the HILIC-LCMS system.

Time (min)	Flow rate (ml/min)	% A	% B1 or B2
0.0	0.10	100	0
1.5	0.20	100	0
3.0	0.30	100	0
4.0	0.35	100	0
30.0	0.35	100	0

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Table S2. Chromatographic conditions for the Shutdown of the HILIC-LCMS system.

Time (min)	Flow rate (ml/min)	% C	% D
0.0	0.3	100	0
4.0	0.3	100	0
8.0	0.3	0	100
9.0	0.3	0	100
11.0	0.6	0	100
15.0	0.6	0	100

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Table S3. Chromatographic conditions for the Start-Up of the HILIC-LCMS system.

Time (min)	Flow rate (ml/min)	% A	% B1 or B2
0.0	0.3	50	50
4.0	0.3	50	50
6.0	0.5	50	50
15.0	0.5	50	50
16.0	0.5	2	98
17.0	0.4	2	98
17.5	0.4	2	98

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18 **Table S4.** Chromatographic conditions for the analysis of the hydrophilic cyanotoxins (ATXs, CYNs)
19 by HILIC-LCMS.

Time (min)	Flow rate (ml/min)	% A	% B2
0.0	0.4	2	98
5.0	0.4	2	98
11.5	0.4	50	50
13.0	0.5	50	50
13.5	0.5	2	98
14.0	0.8	2	98
14.6	0.8	2	98
15.0	0.4	2	98

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Table S5. Chromatographic conditions for the analysis of the STXs by HILIC-LCMS.

Time (min)	Flow rate (ml/min)	% A	% B1
0	0.4	2	98
5	0.4	2	98
7.5	0.4	50	50
10.5	0.5	50	50
11	0.5	2	98
11.5	0.8	2	98
12.6	0.8	2	98
13	0.4	2	98

(A) H₂O + 0.015% FA + 0.015% NH₃; (B2) 70% ACN + 0.01% FA

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Table S6. MS parameters for HILIC-LRMS analysis of the STXs in the sea fig samples.

Toxin	Transition (m/z) (*)	Ionisation mode	Collision energy (V)	S-lens (V)
C1	474,0 – 351,1	-	24	100
	474,0 – 121,9	-	28	100
C2	396,0 – 291,1	+	17	65
	474,0 – 121,9	-	28	100
C3	490,0 – 410,1	-	20	100
	412,0 – 332,1	+	17	65
C4	412,0 – 314,1	+	17	65
	490,0 – 392,1	-	20	100
GTX 1	410,0 – 367,1	-	17	100
	410,0 – 349,1	-	21	100
GTX 4	410,0 – 367,1	-	17	80
	412,1 – 314,1	+	19	80
GTX 2	394,1 – 351,1	-	17	100
	394,1 – 333,1	-	22	100
GTX 3	394,1 – 333,1	-	22	100
	396,1 – 298,1	+	17	71
GTX 5	380,0 – 300,0	+	13	58
	378,0 – 122,0	-	28	90
GTX 6	396,0 – 316,1	+	14	70
	394,0 – 121,9	-	23	80
dcGTX 2	351,0 – 164,0	-	29	100
	351,0 – 333,1	-	18	100
dcGTX 3	353,0 – 255,0	+	16	66
	351,0 – 333,1	-	18	100
dcGTX 1	367,0 – 274,1	-	20	100
	367,0 – 349,1	-	18	100
dcGTX 4	369,0 – 271,0	+	16	66
	367,0 – 349,1	-	18	90
STX	300,1 – 204,0	+	22	86
	300,0 – 138,0	+	26	86
dcSTX	257,1 – 126,0	+	36	84
	257,1 – 222,1	+	17	84
doSTX	241,1 – 60,0	+	22	84
	241,1 – 206,1	+	19	84
NEO	316,0 – 126,0	+	24	100
	316,0 – 220,0	+	21	100
dcNEO	273,0 – 126,0	+	22	86
	273,0 – 110,0	+	36	86

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(*) Quantitation transitions are indicated in **bold**.