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Title: Analytical Challenges to Ciguatoxins

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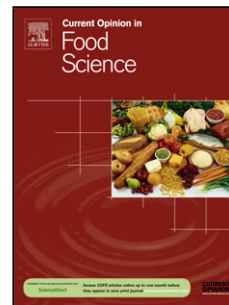
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Highlights

In monitoring of CTXs in fish, LC/MS is useful for confirmation of CTXs in the second step after screening fish with rapid assay methods.

Practical approach to detect CTX analogues on the basis of the previous method is proposed with a single LC/MS by using selected ion monitoring (SIM).

High resolution mass spectrometry (HRMS) coupled with LC is proven as a reliable approach for identification of CTX analogues even in the situation that analytical standards are not available.

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