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Assessment of different isotope dilution strategies and combination with switchable solvent liquid phase microextraction prior to quantification of bisphenol A at trace

levels by GC-MS

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Supplementary Material 2

Compositions of all blends with their target isotope ratios for all isotope dilution strategies are given in the following tables.

Symbol	Description
A*	Standard of the analyte
Α	Sample (containing the analyte)
В	Labelled material of the analyte
m _x	Mass of the standard/sample solution, labelled solution of the analyte or
	deionized water x: A, A*, B or w

 Table S1. Notations and description of symbols.

Blends	$m_{A,A^{\star}},g$	m _B , g	Target isotope ratio
A*B	0.60	0.60	1.11
AB	0.60	0.60	1.11

Table S2. Compositions of all blends with their target isotope ratios for ID²-GC-MS.

Blends	m _{A, A*} , g	m _B , g	Target isotope ratio
A*B-1	0.80	0.40	2.22
A*B-2	0.60	0.60	1.11
AB	0.60	0.60	1.11

Table S3. Compositions of all blends with their target isotope ratios for ID³-GC-MS.

Blends	$m_{A,A^{\star}},g$	m _B , g	Target isotope ratio
A*B-1	0.80	0.40	2.22
A*B-2	0.60	0.60	1.11
A*B-3	0.40	0.80	0.57
AB	0.60	0.60	1.11

Table S4. Compositions of all blends with their target isotope ratios for ID⁴-GC-MS.

Blends	$m_{A^{\star}}, g$	m _A , g	m _B , g	m _w , g	Target isotope ratio
A*AB-1	-	0.40	0.40	0.40	1.11
A*AB-2	0.40	0.40	0.40	-	2.20

Table S5. Compositions of all blends with their target isotope ratios for SA-ID²-GC-MS

Blends	m _{A*} , g	m _A , g	m _B , g	m _w , g	Target isotope ratio
A*AB-1	-	0.40	0.40	0.40	1.11
A*AB-2	0.40	0.40	0.40	-	2.02
A*AB-3	0.20	0.40	0.60	-	1.11

Table S6. Compositions of all blends with their target isotope ratios for SA-ID³-GC-MS