Supporting informations

A pretreatment method combined matrix solid-phase dispersion with dispersive liquid–liquid micro-extraction for polybrominated diphenyl ethers in vegetables through quantitation of gas chromatography-tandem mass spectrometry (GC-MS)

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Pages: 2

Table S1 Monitored ions (quantity and quality ions) and Collision energy

Analytes	Precursor	Product	Collision energy(eV)	Retention time(min)
BDE-28	246.0	139.0	30.0	6.43
	405.8	245.9		
BDE-47	327.0	218.2	30.0	8.04
	485.6	325.9		
	563.6	403.8		
BDE-100	403.8	296.7	30.0	9.45
	405.8	296.6		
	405.8	405.7		
BDE-99	563.6	403.6	20.0	9.95
	403.8	296.7		
	483.7	483.7	30.0	
BDE-154	485.7	485.7	30.0	11.20
	643.6	482.9	40.0	
	485.7	485.5	30.0	
BDE-153	643.6	482.9	35.0	11.92
	641.6	480.9	35.0	
	721.3	563.6		
BDE-183	563.6	403.6	30.0	14.12
	561.6	561.1		
13C-PCB141	372.0	302.0	30.0	6.79
	374.0	302.0		

Table S2 The concentration of PBDEs (ng·g^{-1}) in six real samples

Sample	BDE-28	BDE-47	BDE-100	BDE-99	BDE-154	BDE-153	BDE-183	Σ7PBDE
Baby cabbage	3.9	6.4	11.1	ND	10.4	28.8	ND	60.6
Eggplant	2.7	ND	8.7	ND	12.3	ND	ND	23.7
Brassica chinensis	4.9	14	ND	ND	15.4	3.0	ND	37.3
Carrots	17.2	20.6	16.2	11.7	11.3	33.3	ND	110.3
Chinese cabbage	5.6	9.9	ND	ND	10.5	23.0	ND	49.0
Sweet potato	10.3	8.5	8.0	ND	16.5	ND	ND	43.3

Note: ND indicates non-detected.