Electronic Supplementary Material (ESI) for RSC Advances.
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Table S1 Precision and accuracy of the HPLC method for detecting catechins and caffeine of tea samples.

Concentration (ng/ml)	catechins		caffeine	
	RSD%[a]	RE%[b]	RSD%	RE%
0.1	7.8	5.3	8.4	10.6
0.5	9.4	6.5	7.6	9.2
1	4.6	3.8	5.9	-7.6

[a] Relative standard deviation (RSD%) was used to evaluate the precision.

[b] Relative error (RE%) was used to evaluate the accuracy. RE% = [(assayed value - nominal value)/nominal value] × 100%.

The precision for samples was within 15%, and accuracy was between -15 and 15%.

Table S2 Precision for of the GC-MS method for detecting nonanal, linalool oxide, decanal, β-Lonone, methyl salicylate, and geraniol of tea samples.

Concentration	Nonanal	Linalool oxide	Methyl salicylate	Geraniol	Decanal	β-Lonone
(μl/ ml)	RSD%[a]	RSD%	RSD%	RSD%	RSD%	RSD%
0.1	8.7	11.7	8.0	9.2	8.1	12.3
1	6.2	8.5	8.8	7.6	6.7	8.3
5	6.4	10.4	6.5	4.7	5.3	6.7

[a] Relative standard deviation (RSD%) was used to evaluate the precision.

The precision for samples was within 15%.