SUPPLEMENTARY FILE

The role of extracting solvents in the recovery of polyphenols from green tea and its antiradical activity supported by Principal Component Analysis

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Table S1. Correlation between the content of phytochemical compounds and F-C method, DPPH and Trolox equivalent.

|       | C     | EC    | ECG   | EGC   | EGCG  | GA    | TOT   |
|-------|-------|-------|-------|-------|-------|-------|-------|
| **F-C** |       |       |       |       |       |       |       |
|       | 0.317*** | 0.576*** | 0.757*** | 0.794*** | 0.756*** | 0.009 | 0.873*** |
| **DPPH** |       |       |       |       |       |       |       |
|       | 0.093 | 0.243** | 0.543*** | 0.603*** | 0.634*** | -0.075 | 0.733*** |
| **Trolox** |       |       |       |       |       |       |       |
|       | 0.034 | 0.187* | 0.547*** | 0.605*** | 0.655*** | -0.097 | 0.741*** |

* p ≤ 0.05, ** p ≤ 0.01, *** p ≤ 0.001
Figure S1. Graphs showing the content of phytochemical compounds (C, EC, ECG, EG, EGC, GA, TOT), F-C equivalent, DPPH and Trolox equivalent. Each value represents mean ±SD. Means not sharing the same letter are significantly different at p ≤ 0.05.
Table S2. The MS/MS spectra of all compounds quantified in the obtained extract in the negative ionization mode, together with a sample total mass chromatogram.