## Supporting Information

"Microwave-assisted green synthesis of silver nanoparticles using orange peel extract."

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We present data for batch-to-batch variation of silver nanoparticles (AgNPs) synthesized with orange peel extract. These samples were prepared in the CEM microwave for 15 min. The relative standard deviation (as a measure of precision) is provided and is, in most cases, less than 20%.

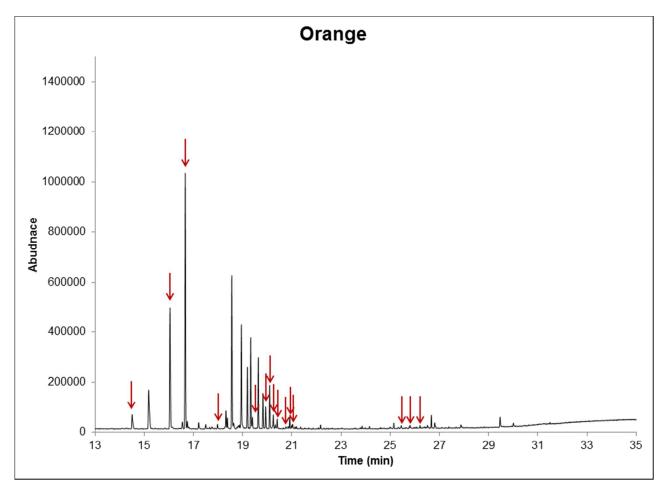
Table S1: Indicators of batch-to-batch variation for AgNPs synthesized with orange peel extract in the CEM microwave for 15 min (temperature may vary)

Replicate #	Temp (°C)	$\lambda_{max}$	Absorbance (AU)	Normalized Absorbance <sup>1</sup>	Norm. Abs. / Mass (g) of AgNO <sub>3</sub>	Peak Width at Half-Maximum
1	75.0	416	2.02	2.02	91.5	131
2	100.	416	1.28	2.57	110	193
3	90.0	428	1.40	2.80	105	180
4	90.0	425	1.51	3.03	122	188
5	90.0	420	1.62	1.62	70.4	149
Mean	89.0	421	1.57	2.41	99.8	168
Std Dev	8.94	5.39	0.284	0.578	19.7	26.9
RSD, %	10.1	1.28	18.1	24.0	19.8	16.0

<sup>1</sup>Sample replicates 2, 3, and 4 exceed the 2 AU limit of the UV-Vis spectrophotometer. These samples were diluted in a 1:1 ratio with 18 M $\Omega$  DI water and re-analyzed.

The following GC/MS chromatograms of the various citrus peel extracts utilized in the microwave-assisted syntheses of silver nanoparticles (AgNPs) are provided. Arrows indicate the highest abundance of a particular compound in a given extract when compared to the other extracts. Samples that were analyzed included orange, grapefruit, tangelo, lemon, and lime extracts. Finally, a reagent blank is provided.

Figure S1: Orange Peel Extract



**Figure S2: Grapefruit Peel Extract** 

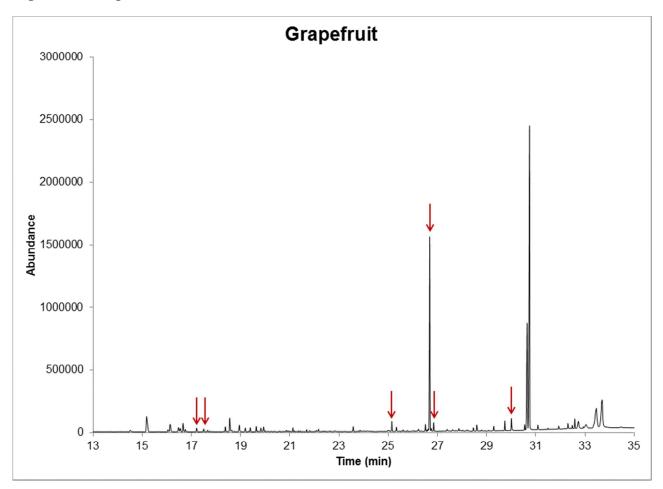
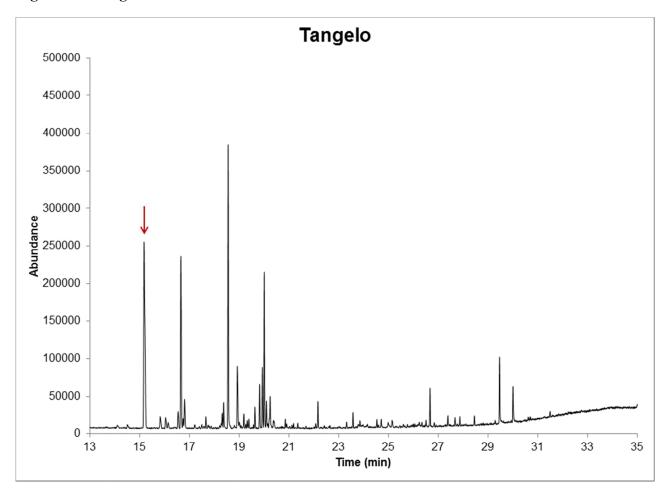


Figure S3: Tangelo Peel Extract



**Figure S4: Lemon Peel Extract** 

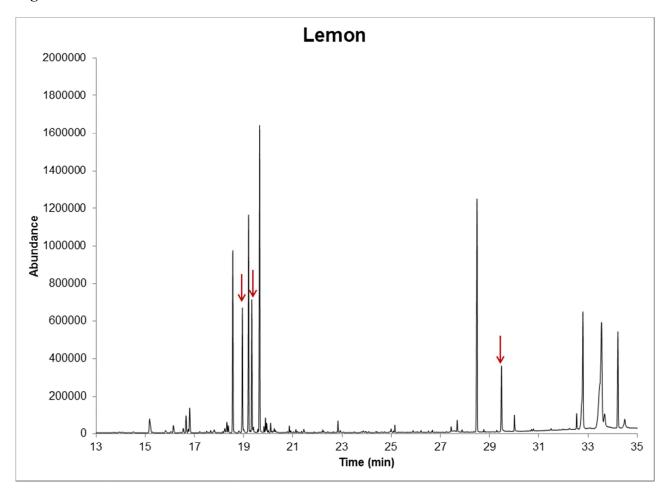


Figure S5: Lime Peel Extract

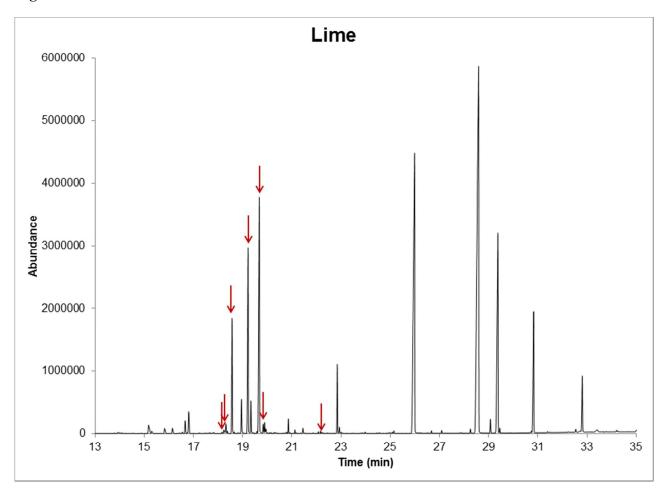


Figure S6: Reagent Blank

