

## **Analytical and Bioanalytical Chemistry**

### **Electronic Supplementary Material**

#### **Determination of porphyrins in oral bacteria by liquid chromatography electrospray ionization tandem mass spectrometry**

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**Table S1** Linear regression equation and R2 values for porphyrins using a calibration curve for selected porphyrins between 50-900 pmol/mL

Porphyrin	Linear regression equation	Coefficient of determination R <sup>2</sup>
Uroporphyrin I	Y = 27 x	0.995
7-carboxylporphyrin I	Y = 70 x	0.987
6-carboxylporphyrin I	Y = 190 x	0.999
5-carboxylporphyrin I	Y = 380 x	0.998
Coproporphyrin I	Y = 490 x	0.999
Mesoporphyrin IX	Y = 830 x	0.997
Protoporphyrin IX	Y = 1 200 x	0.988

<sup>y</sup> = area in cps

<sup>x</sup> = concentration in pmol/mL

**Table S2** CV% for retention time and area at six different concentration levels of the standard solution (n=18)

Porphyrin	Retention time	Area
	CV%	CV%
Uroporphyrin I	1.0	7.3
7-carboxylporphyrin I	0.9	9.4
6-carboxylporphyrin I	0.4	6.2
5-carboxylporphyrin I	0.3	3.4
Coproporphyrin I	0.2	3.6
Mesoporphyrin IX	0.1	2.8
Protoporphyrin IX	0.1	4.3