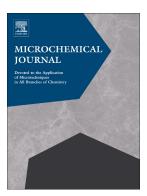
## Accepted Manuscript

High throughput screening of phenolic constituents in a complex sample matrix using post-column derivatisations employing reaction flow HPLC columns



Andrew Jones, Agustín Acquaviva, Gary R. Dennis, R. Andrew Shalliker, Arianne Soliven

PII: DOI: Reference:	S0026-265X(18)30270-4 doi:10.1016/j.microc.2018.03.026 MICROC 3099
To appear in:	Microchemical Journal
Received date:	7 March 2018
Revised date:	15 March 2018
Accepted date:	16 March 2018

Please cite this article as: Andrew Jones, Agustín Acquaviva, Gary R. Dennis, R. Andrew Shalliker, Arianne Soliven, High throughput screening of phenolic constituents in a complex sample matrix using post-column derivatisations employing reaction flow HPLC columns. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Microc(2017), doi:10.1016/j.microc.2018.03.026

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

## High throughput screening of phenolic constituents in a complex sample matrix using post-column derivatisations employing reaction flow HPLC columns.

Andrew Jones<sup>1,a</sup>, Agustín Acquaviva<sup>1,b</sup>, Gary R. Dennis<sup>a</sup>, R. Andrew Shalliker<sup>a,b</sup>, Arianne Soliven<sup>\*c</sup>

<sup>1</sup> Joint first authorship

<sup>a</sup> Australian Centre for Research on Separation Sciences (ACROSS), School of Science and Health, Western Sydney University, South Parramatta Campus, NSW, 2150, Australia.

<sup>b</sup> LIDMA (Laboratorio de Investigación y Desarrollo de Métodos Analíticos), Facultad de Ciencias Exactas, Universidad Nacional de La Plata, 47 and 115 (1900) La Plata, Argentina.

<sup>c</sup> Grupo de Análisis de Contaminantes Traza, Cátedra de Farmacognosia y Productos Naturales, Facultad de Química, Universidad de la República, General Flores 2124, 11800 Montevideo, Uruguay.

**Keywords:** Phenolics; high throughput; post-column derivatisation; multiplexed detection; reaction flow chromatography; tea

\*Corresponding author:

E-mail: a.soliven@fq.edu.uy

Download English Version:

## https://daneshyari.com/en/article/7640224

Download Persian Version:

https://daneshyari.com/article/7640224

Daneshyari.com