

## Accepted Manuscript

Title: Development of an analytical method for detecting nitrofurans in bee pollen by liquid chromatography-electrospray ionization tandem mass spectrometry



Author: <ce:author id="aut0005" author-id="S1570023216308066-54f041a3df7976dab9f49609251eb754"> Mi Sun Park<ce:author id="aut0010" author-id="S1570023216308066-82f4148942fe6c8cf8dd8e9a2f598c0e"> Kyung Tae Kim<ce:author id="aut0015" author-id="S1570023216308066-bb3c14e035dd110b898b825b7ec1f219"> Jong Seong Kang

PII: S1570-0232(16)30806-6  
DOI: <http://dx.doi.org/doi:10.1016/j.jchromb.2016.11.042>  
Reference: CHROMB 20403

To appear in: *Journal of Chromatography B*

Received date: 7-9-2016  
Revised date: 24-11-2016  
Accepted date: 30-11-2016

Please cite this article as: Mi Sun Park, Kyung Tae Kim, Jong Seong Kang, Development of an analytical method for detecting nitrofurans in bee pollen by liquid chromatography-electrospray ionization tandem mass spectrometry, *Journal of Chromatography B* <http://dx.doi.org/10.1016/j.jchromb.2016.11.042>

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.

Manuscript for Journal of Chromatography B

# Development of an analytical method for detecting nitrofurans in bee pollen by liquid chromatography-electrospray ionization tandem mass spectrometry

Mi Sun Park<sup>1,2#</sup>, Kyung Tae Kim<sup>1#</sup> and Jong Seong Kang<sup>1\*</sup>

<sup>1</sup>*College of Pharmacy Chungnam National University, Daejeon 34134, Korea*

<sup>2</sup>*Ministry of Food and Drug Safety Korea, Cheongju-si, 28159, Korea*

## Highlights

- Sensitive LC-MS/MS method was developed for nitrofuran metabolites in bee pollen.
- Sample preparation was optimized to avoid the formation of a powder-induced emulsion.
- The developed method was validated and the obtained data showed high accuracy.
- The established method can analyze nitrofurans in various types of bee pollen products.

Download English Version:

<https://daneshyari.com/en/article/5136474>

Download Persian Version:

<https://daneshyari.com/article/5136474>

[Daneshyari.com](https://daneshyari.com)