

## Supplementary Information

### Study of Thermoplastic Extrusion and Its Impact on the Chemical and Nutritional Characteristics in Two Sorghum Genotypes SC 319 and BRS 332

**Flávia A. Campelo,<sup>a</sup> Gilberto S. Henriques,<sup>b</sup> Maria Lucia F. Simeone,<sup>c</sup> Valéria A. V. Queiroz,<sup>d</sup> Mauro R. Silva,<sup>a</sup> Rodinei Augusti,<sup>e</sup> Júlio O. F. Melo,<sup>e</sup> Inayara C. A. Lacerda<sup>a</sup> and Raquel L. B. Araújo<sup>a</sup>**

<sup>a</sup>*Departamento de Alimentos, Universidade Federal de Minas Gerais (UFMG), 31270-901 Belo Horizonte-MG, Brazil*

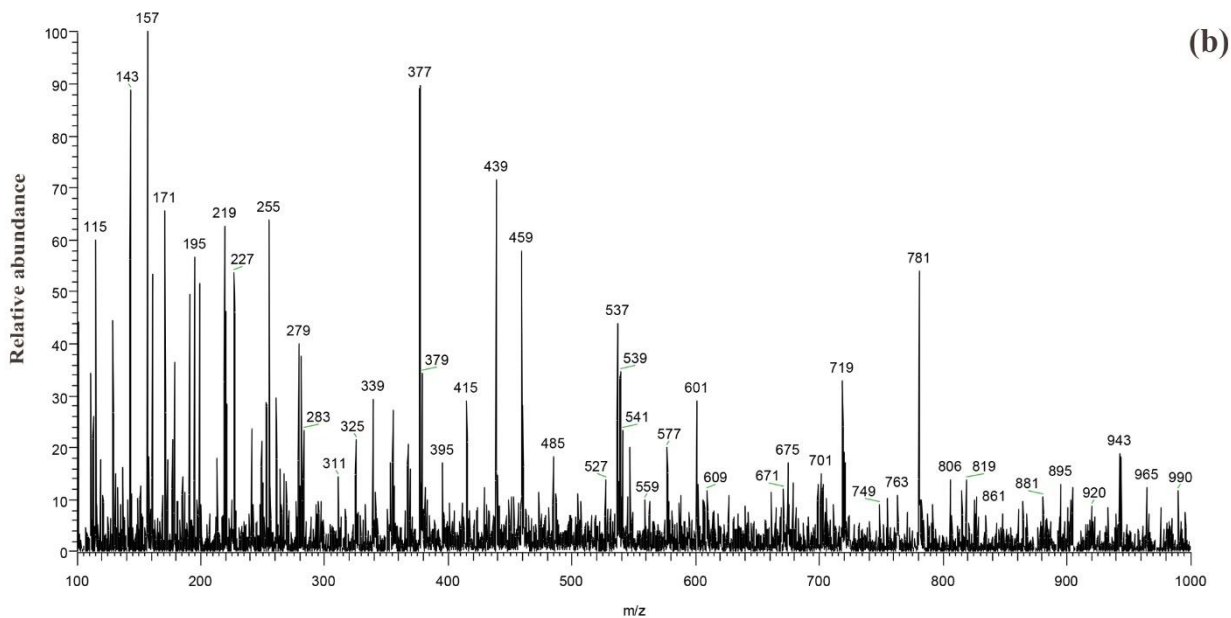
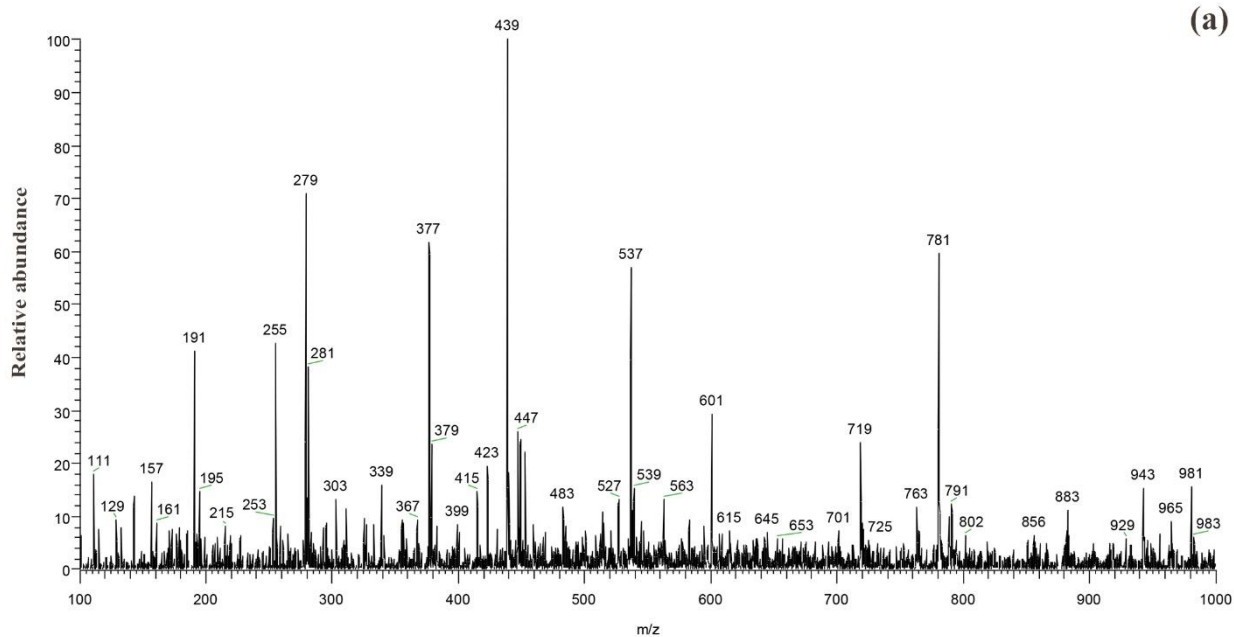
<sup>b</sup>*Departamento de Nutrição, Universidade Federal de Minas Gerais (UFMG), 30130-100 Belo Horizonte-MG, Brazil*

<sup>c</sup>*Departamento de Agroquímica, Embrapa Milho e Sorgo, Rodovia MG 424, Km 45, 35702-098 Sete Lagoas-MG, Brazil*

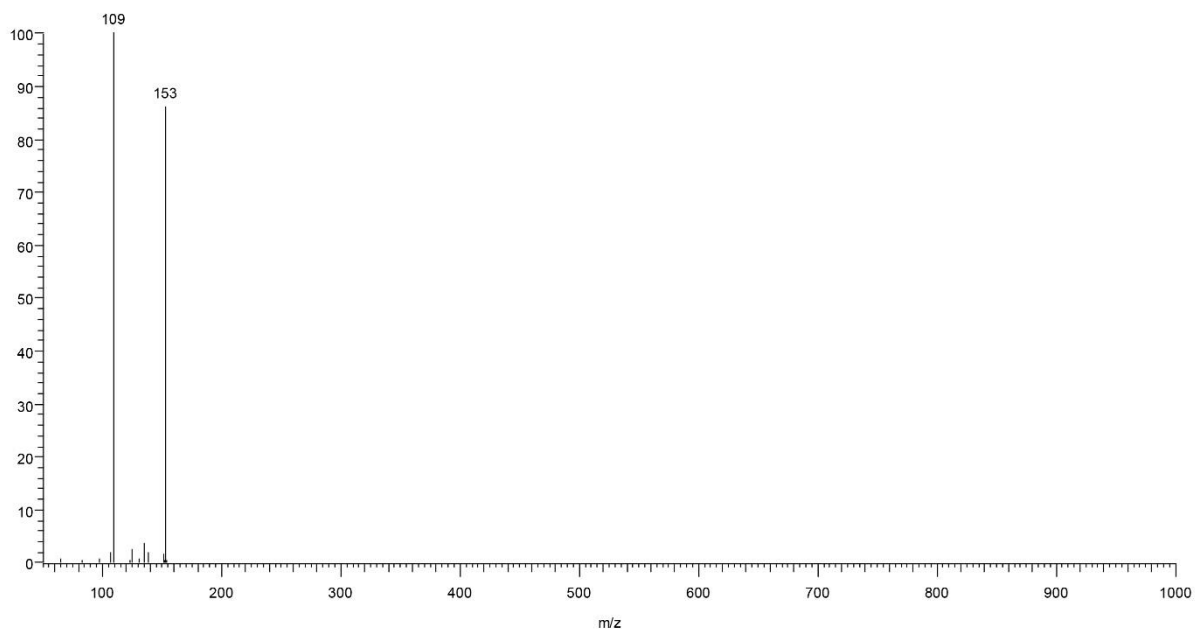
<sup>d</sup>*Departamento de Segurança Alimentar, Embrapa Milho e Sorgo, Rodovia MG 424, Km 45, 35702-098 Sete Lagoas-MG, Brazil*

<sup>e</sup>*Departamento de Química, Universidade Federal de Minas Gerais (UFMG), 31270-901 Belo Horizonte-MG, Brazil*

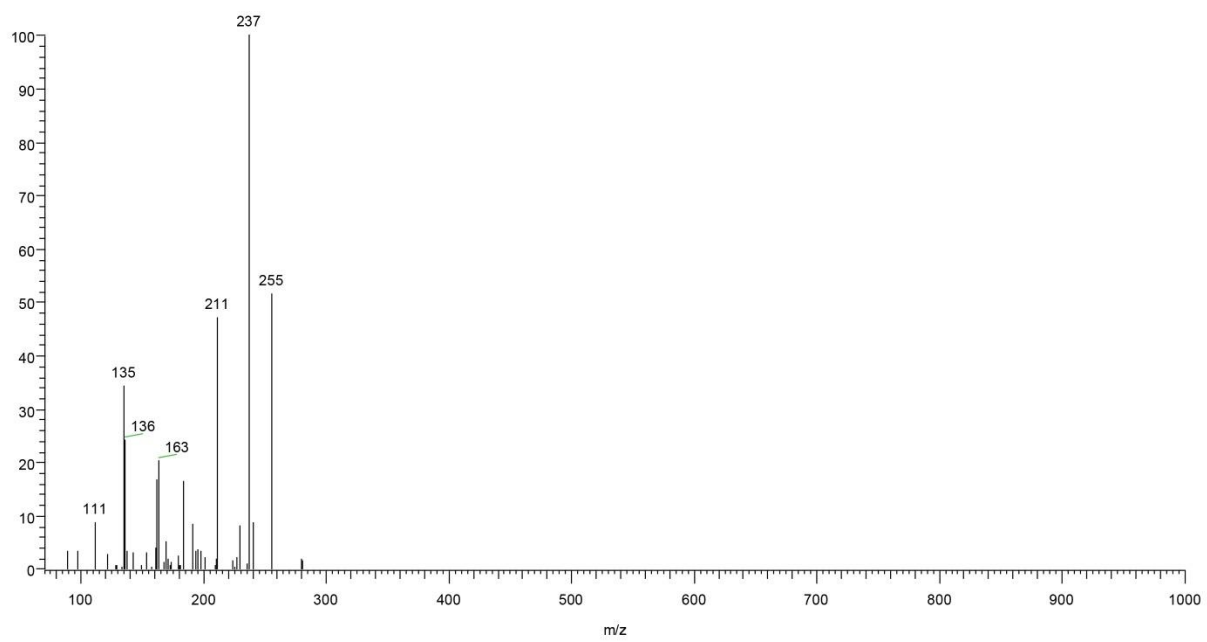
<sup>f</sup>*Departamento de Ciências Exatas e Biológicas, Universidade Federal de São João Del-Rei (UFSJ), 35701-970 Sete Lagoas-MG, Brazil*



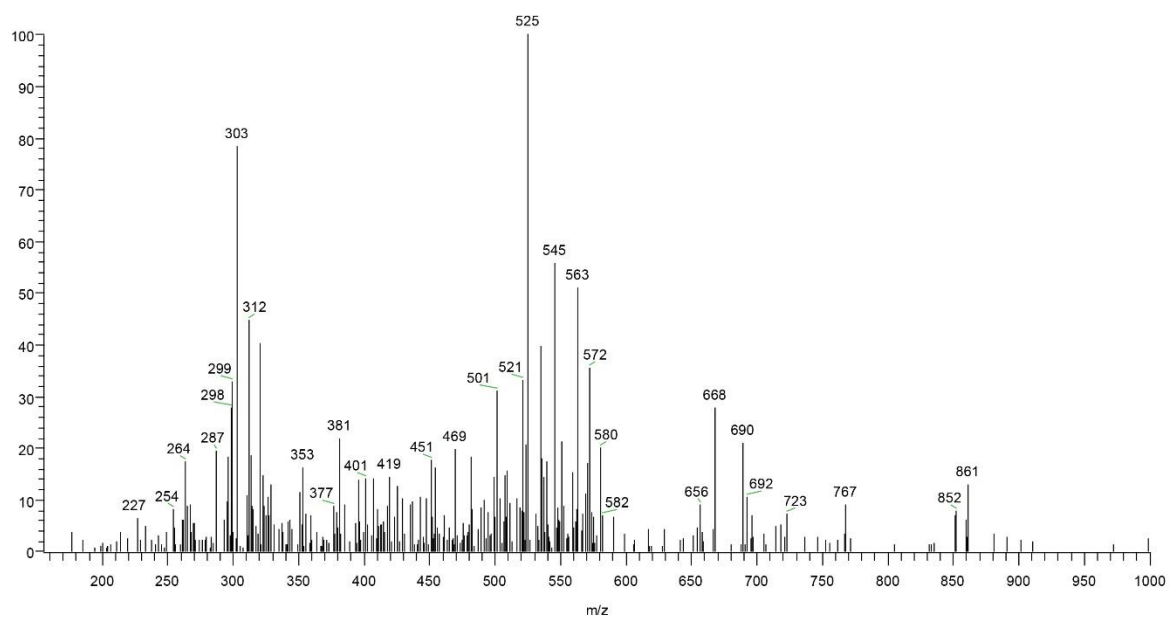
**Figure S1.** Representation of (a) (-)PS-MS of a raw sample, (b) (-)PS-MS of and extruded sample (SC 319).



**Figure S2.** Fragmentation spectrum of the protocatechic acid found in sorghum.



**Figure S3.** Fragmentation spectrum of the 1-*O*-dihydrocaffeoyl glycerol found in sorghum.



**Figure S4.** Fragmentation spectrum of the *C*-hexosyl-*C*-pentosyl-luteolin found in sorghum.