Electronic Supplementary Material (ESI) for RSC Advances.

Evaluation of imprint DESI-MS substrates for fungal metabolites analysis.

Alessandra Tata [1], Consuelo J. Perez,[1] Moriam O. Ore[1], Dragos Lostun[1], Aristides Passas[1], Sylvie Morin,[1] Demian R. Ifa[1]

[1]Department of Chemistry, York University, 4700 Keele Street, Toronto, Ontario, M3J 1P3, Canada.

Supporting Information

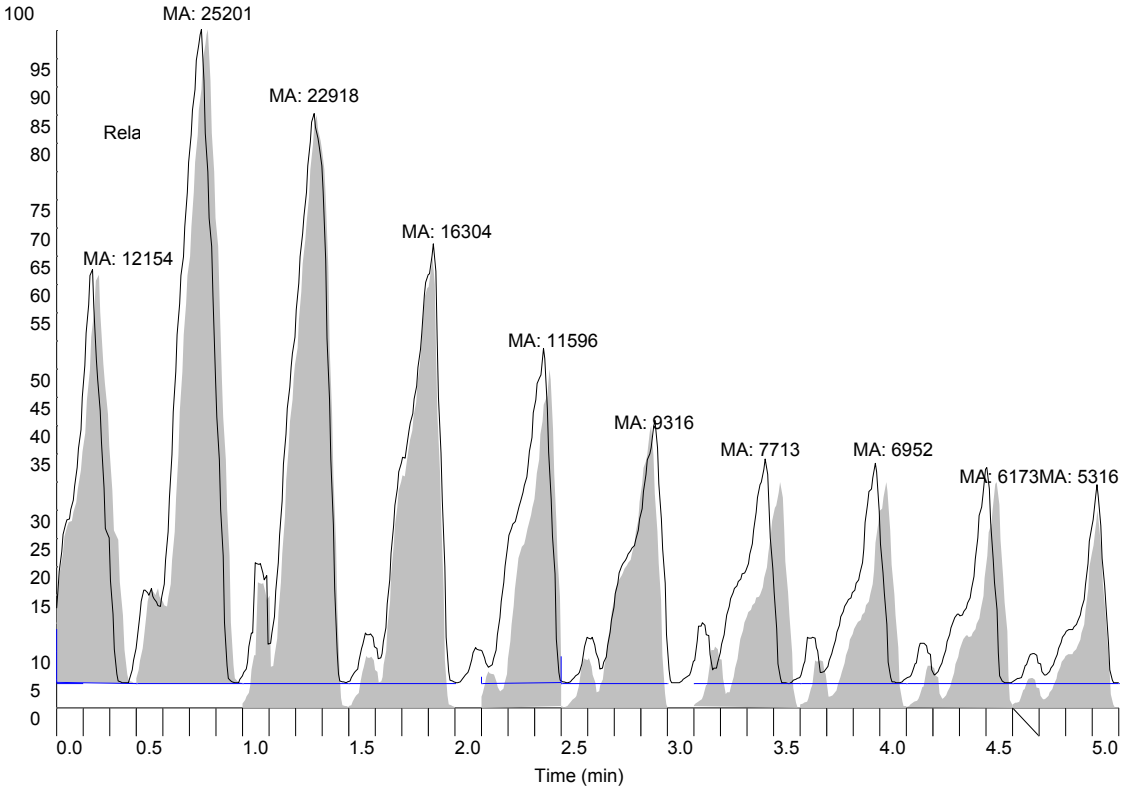

Figure S1: Imprint DESI-MS Extracted chromatogram with highlighted peak area on a meso porous pSi surface . MA=Manual area

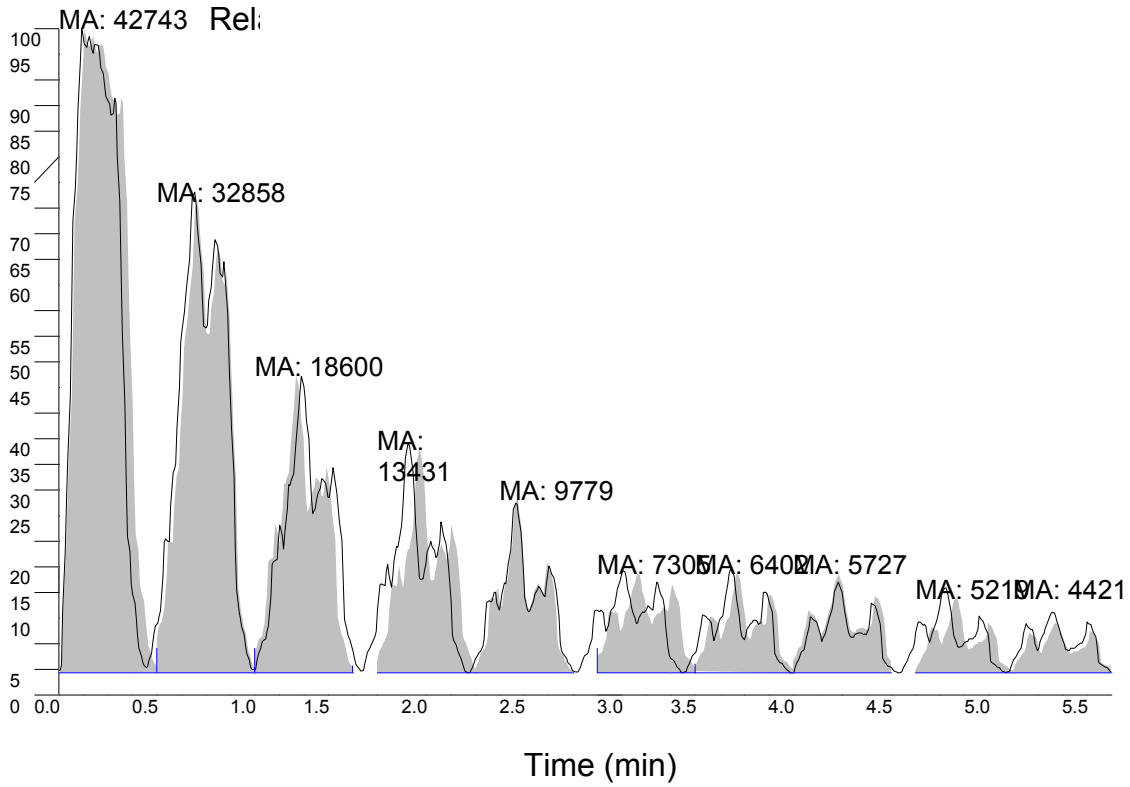

Figure S2: Imprint DESI-MS extracted chromatogram of *T.harzianum* with highlighted peak area on a flat porous surface. MA=Manual area

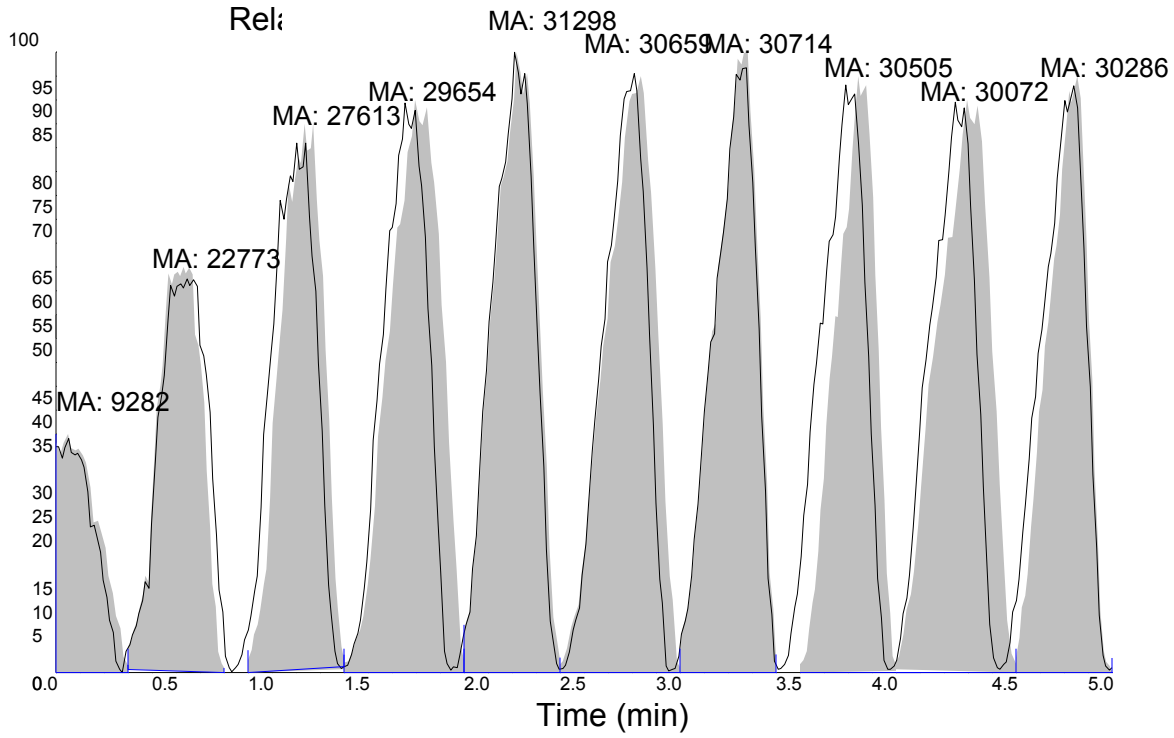

Figure S3: Imprint DESI-MS extracted chromatogram of *T.harzianum* with highlighted peak area on Whatman™ Filter paper . MA=Manual area

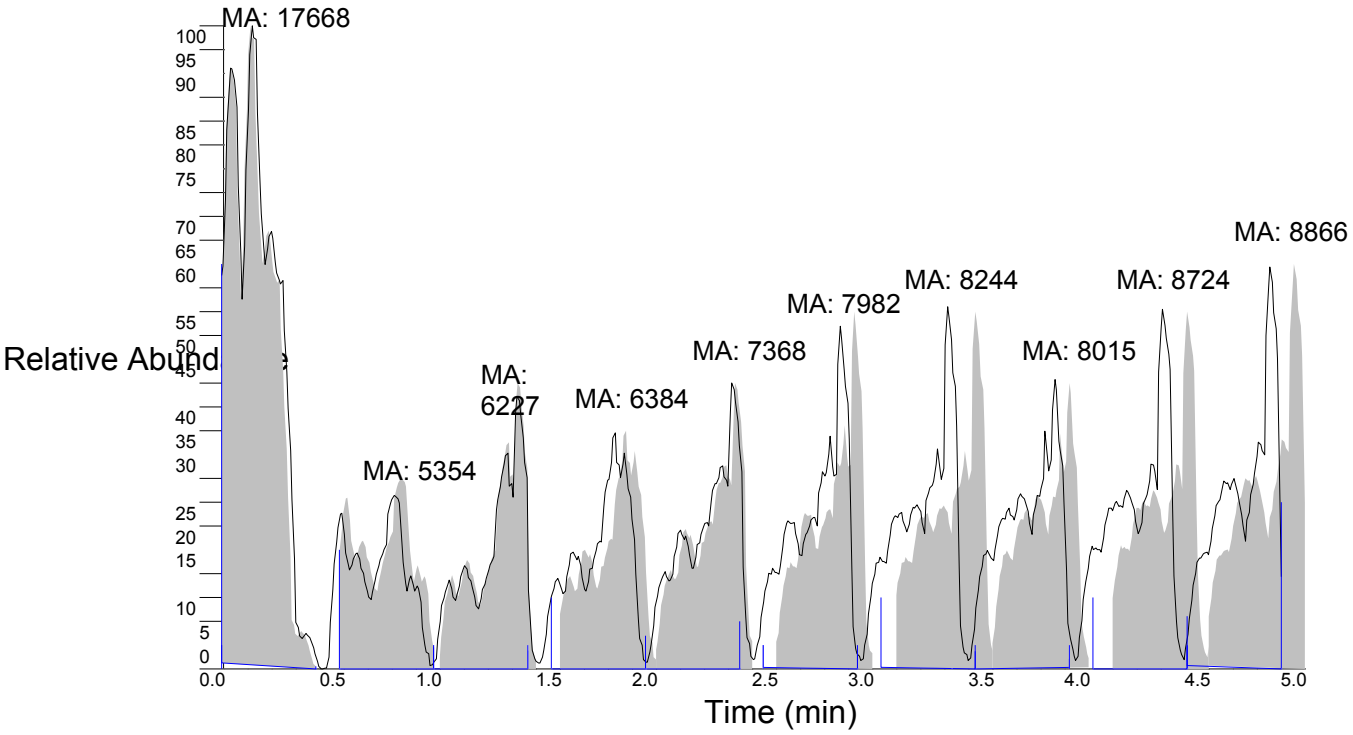

Figure S4: Imprint DESI-MS extracted chromatogram of *T.harzianum* with highlighted peak area on TLC plate. MA=Manual area

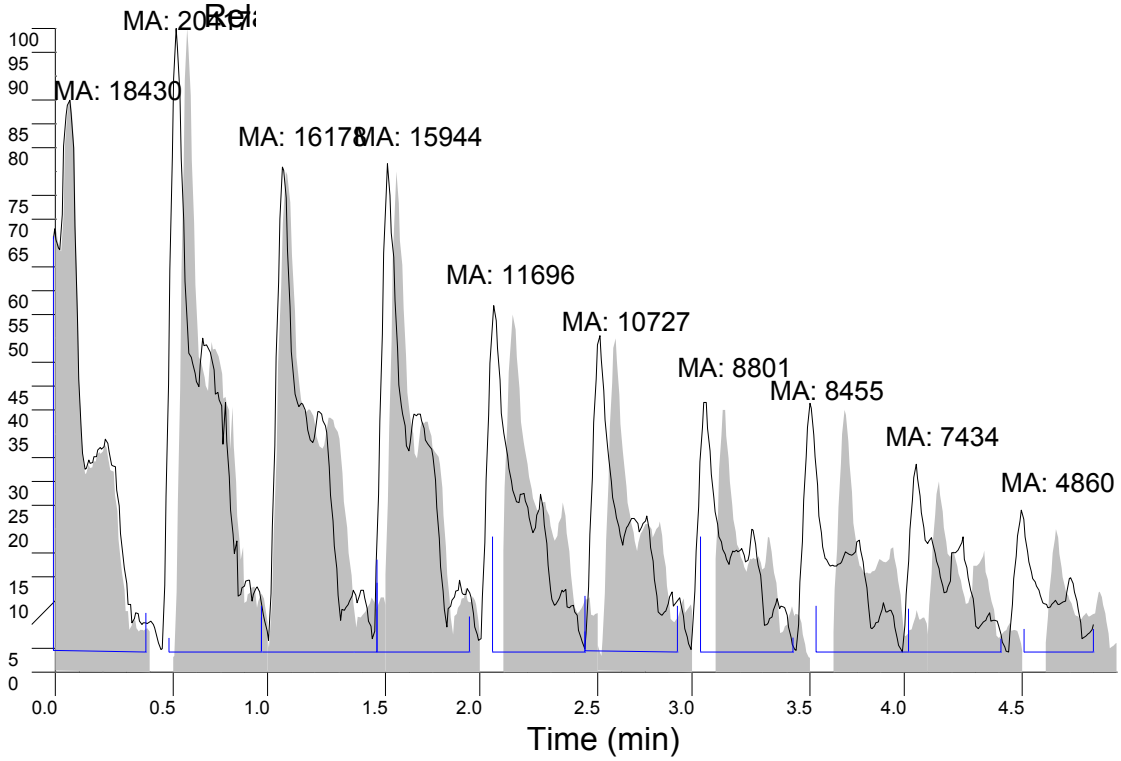

Figure S5: Imprint DESI-MS extracted chromatogram of *T.harzianum* with highlighted peak area on tape surface. MA=Manual area

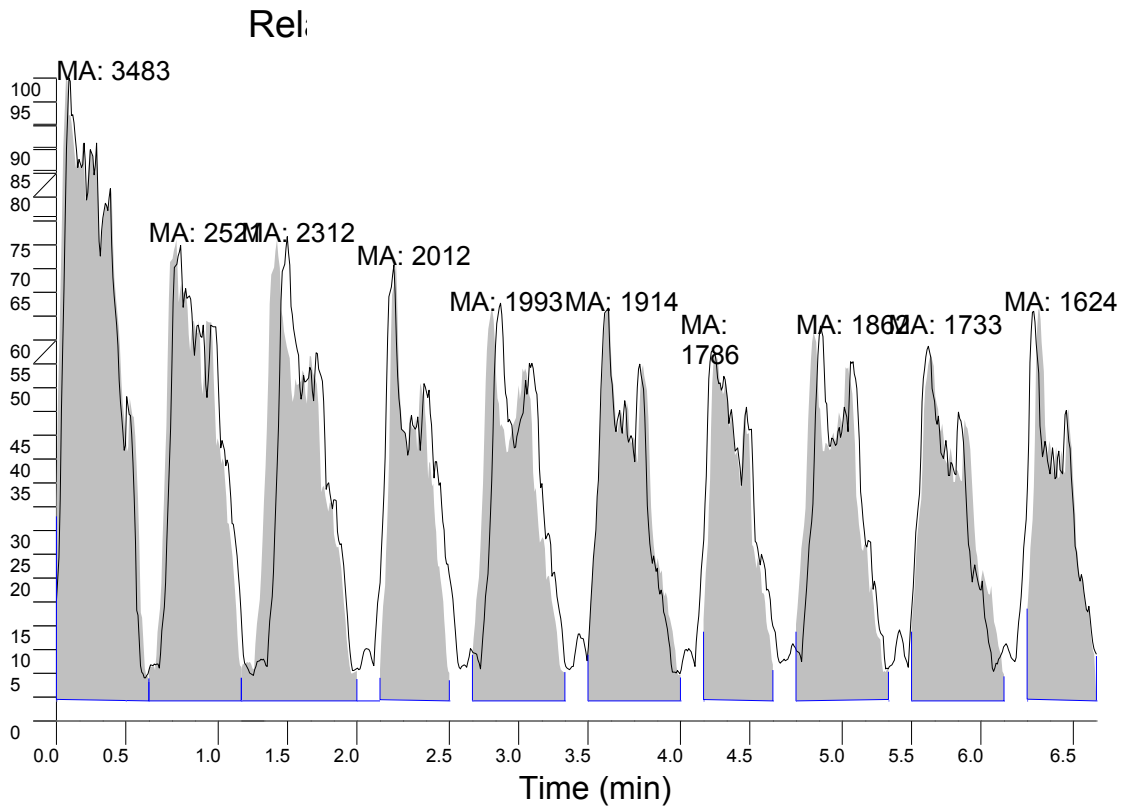

Figure S6: Imprint DESI-MS extracted chromatogram of *T.harzianum* with highlighted peak area on PTFE surface. MA=Manual area

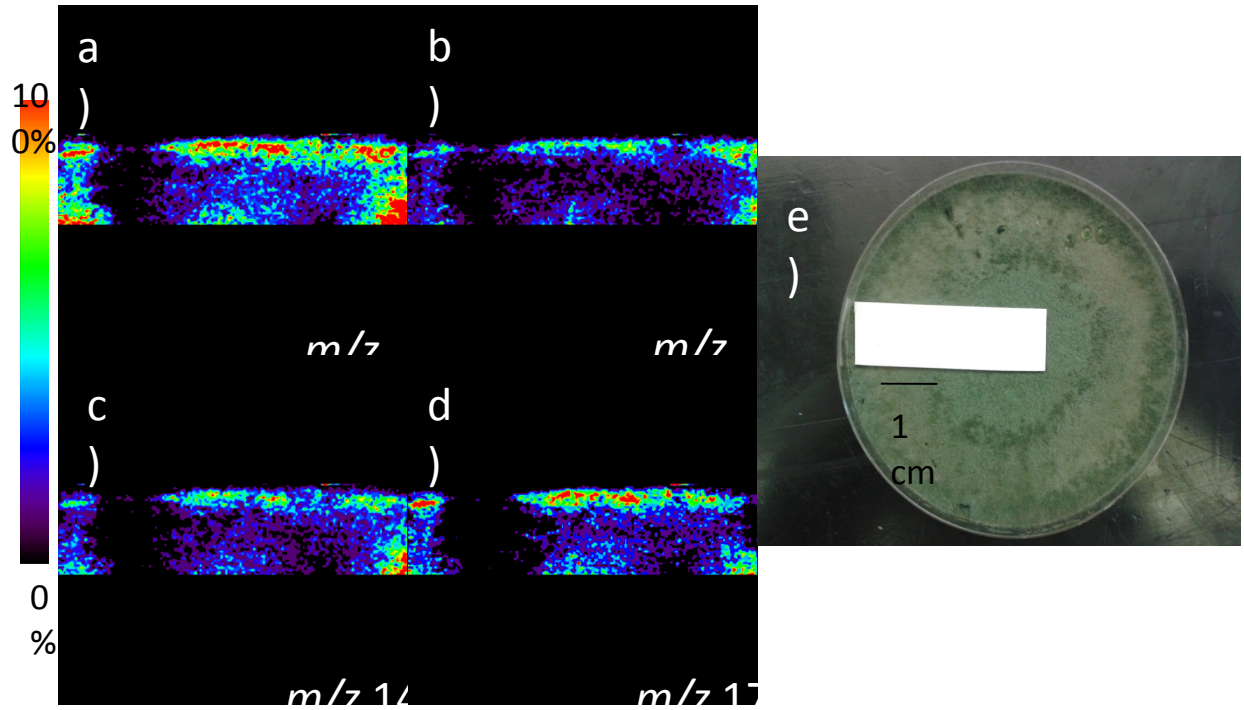

Figure S7: Imprint DESI-MS imaging of *T. Harzanium* on PTFE surface a) Trichotoxin 3 at *m/z* 882 b) Trichotoxin 4 at *m/z* 886 c) *m/z* 1468 d) *m/z* 1741 e) Optical image of *T. Harzanium* culture grown on a PDA plate during imprinting with a section of PTFE

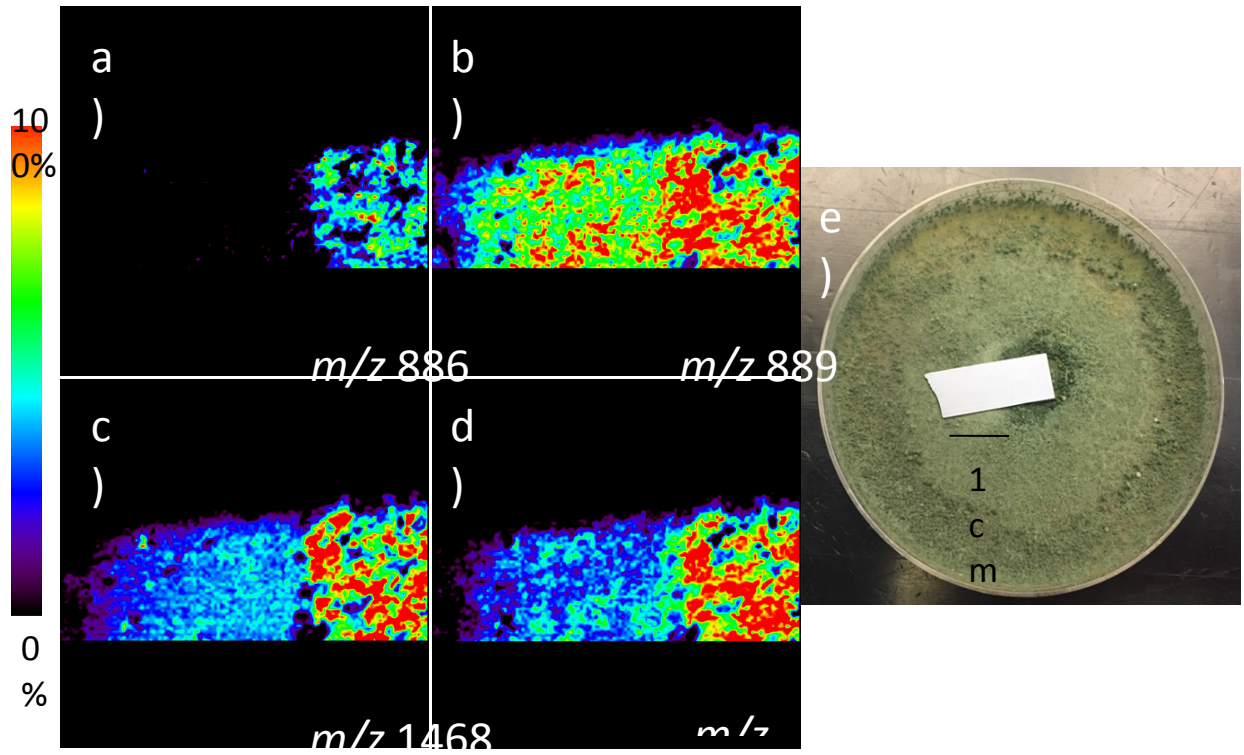

Figure S8: Imprint DESI-MS imaging of *T. Harzanium* on flat Silicon surface a) Trichotoxin 3 at *m/z* 882 b) Trichotoxin 4 at *m/z* 886 c) *m/z* 1468 d) *m/z* 1741 e) Optical image of *T. Harzanium* culture grown on a PDA plate during imprinting with flat Silicon wafer

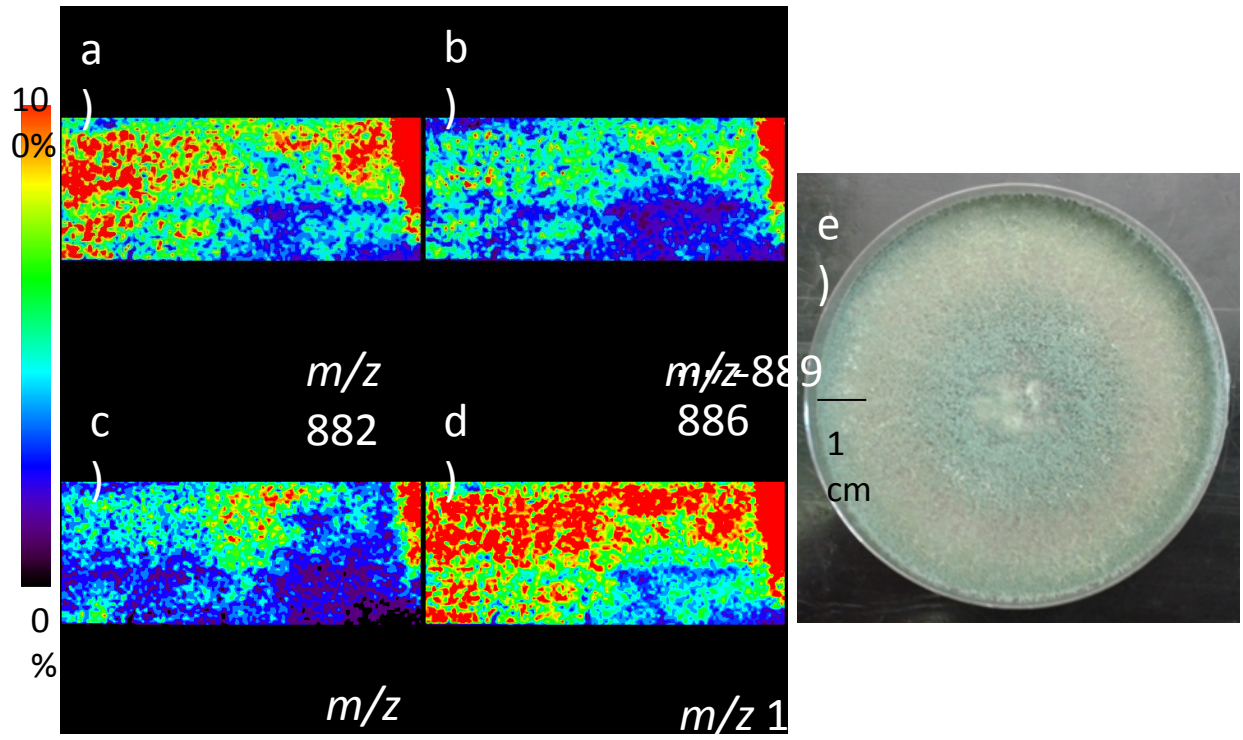

Figure S9: Imprint DESI-MS imaging of *T. Harzanium* on TLC a) Trichotoxin 3 at *m/z* 882 b) Trichotoxin 4 at *m/z* 889 c) *m/z* 1468 d) *m/z* 1741 e) Optical image of *T. harzanium* culture grown on a PDA