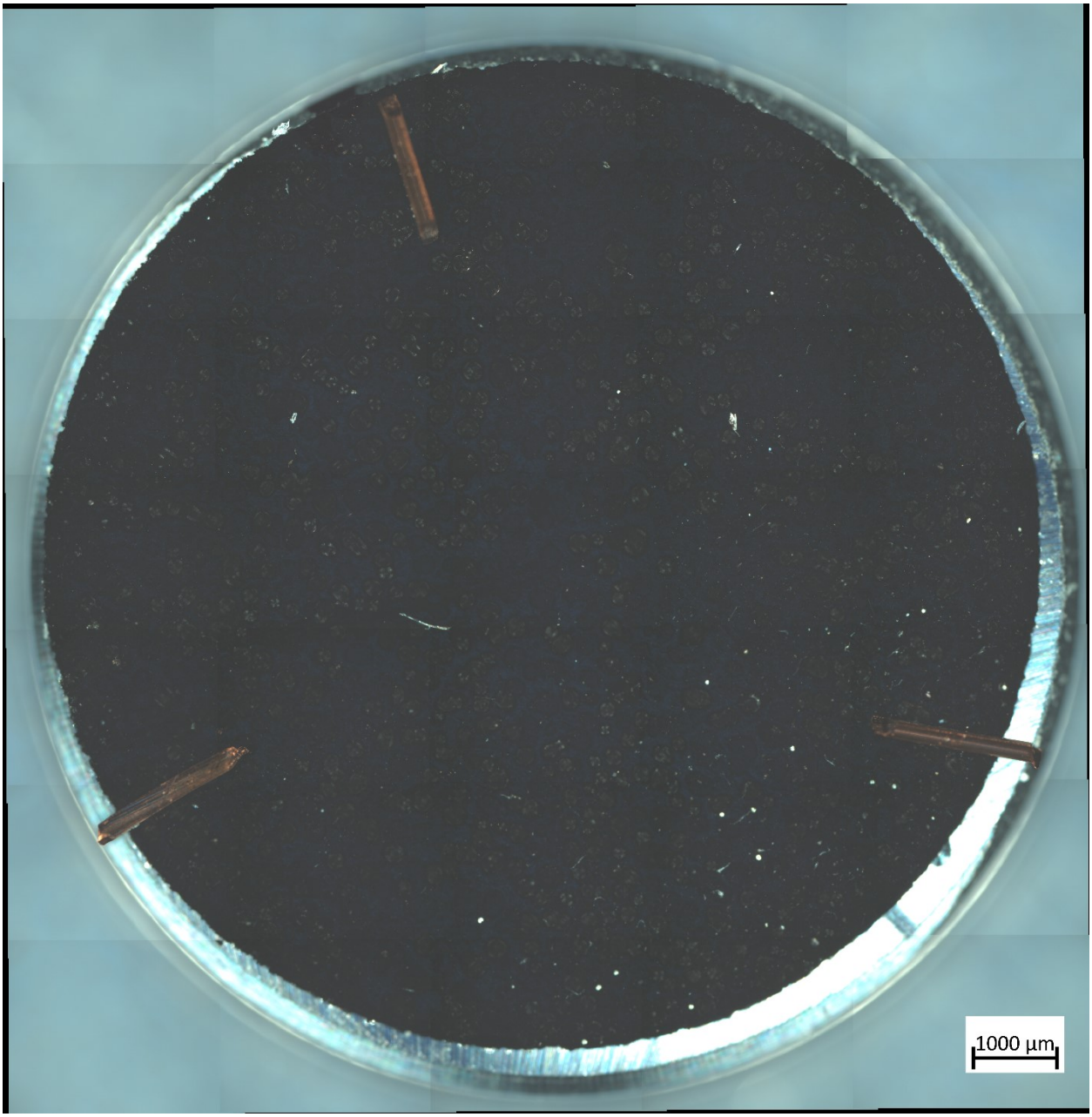
Supplementary Information

Evaluating the feasibility of LA-ICP-TOF-MS for the analysis of environmental particle collections

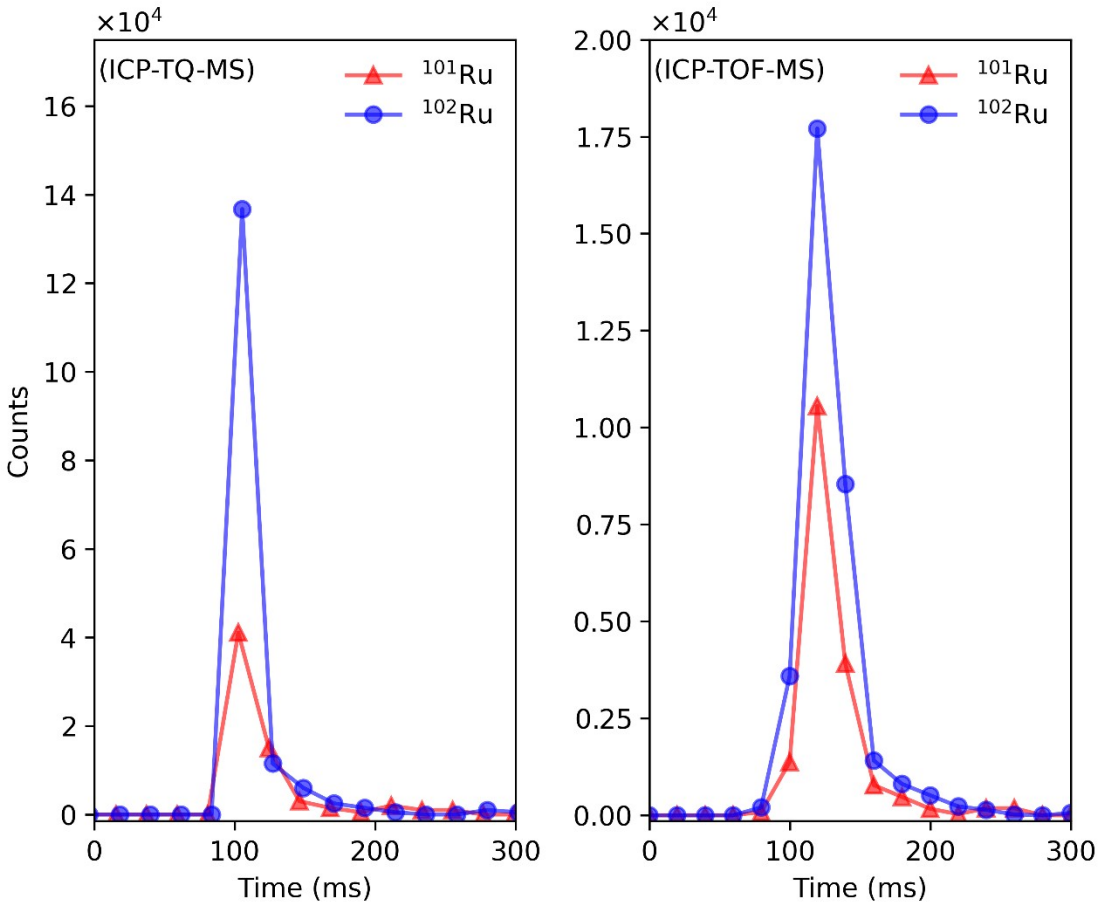
Benjamin T. Manard[1*], Sarah Szakas[1], Jordan Stanberry[1], Brian W. Ticknor[1], Leslie O'Brien[2], Mark Boris[2], Josh Hewitt[2], Paula Cable-Dunlap[2], and Hunter B. Andrews[3*]

1. Chemical Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN, 37830, USA
2. Nuclear Nonproliferation Division, Oak Ridge National Laboratory, Oak Ridge, TN, 37830, USA
3. Radioisotope Science and Technology Division, Oak Ridge National Laboratory, Oak Ridge, TN, 37830, USA

[*]Corresponding Authors: B.T. Manard, manardbt@ornl.gov; H.B. Andrews, andrewshb@ornl.gov



Supplementary Figure 1. Optical image of GSR lift-off with Cu wires placed as fiduciary markers



Supplementary Figure 2. Example ICP-MS signal transient from an ablated Ru-bearing particle by ICP-TQ-MS (left) and ICP-TOF-MS (right)