

Supplementary Figures for:

Toxicity of Orthodontic Brackets Examined by Single Cell Tracking

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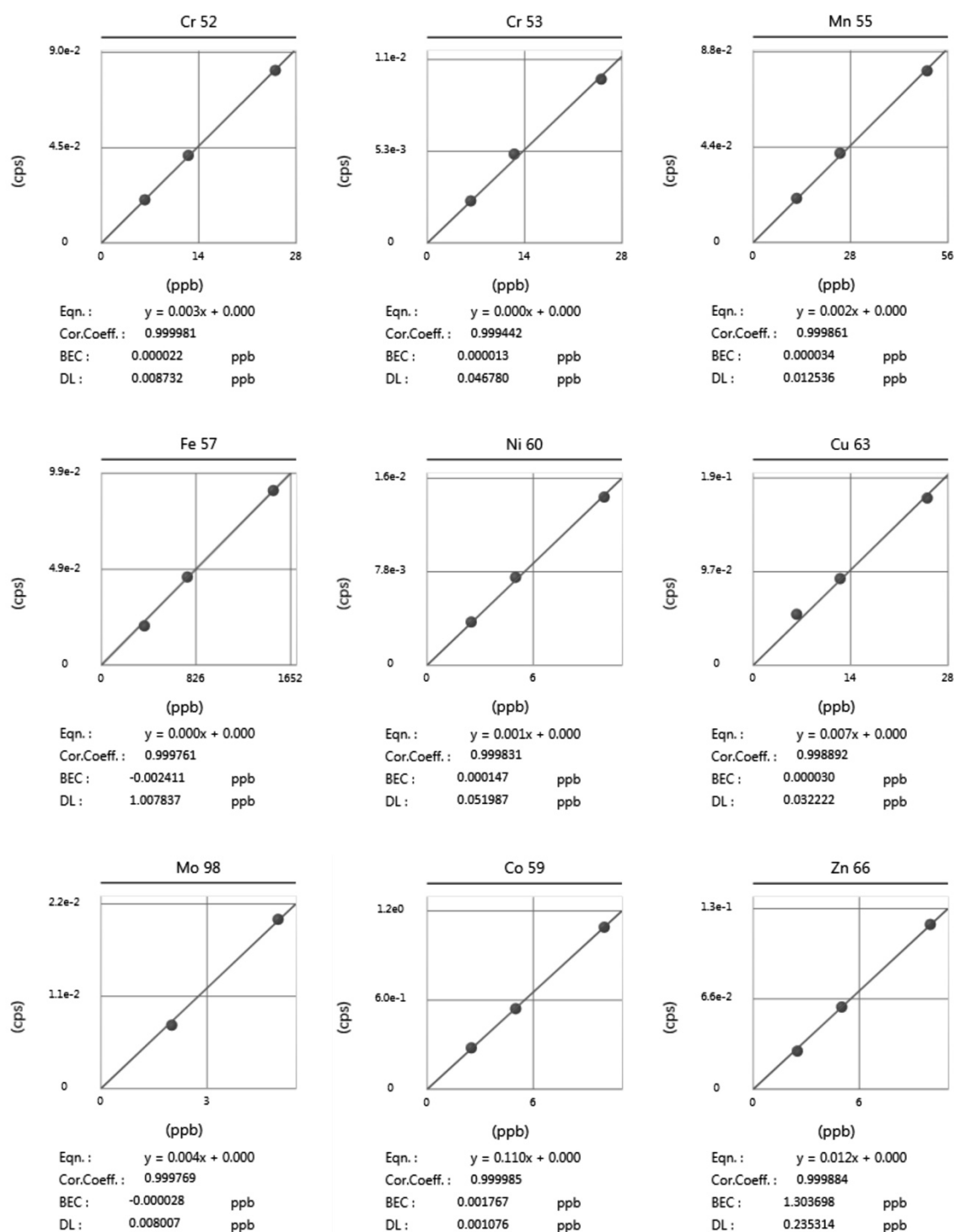


Figure S1. Graphs of ICP-MS standard curves for dilutions of commercially sourced standards for ^{52}Cr , ^{53}Cr , ^{55}Mn , ^{57}Fe , ^{60}Ni , ^{63}Cu , ^{98}Mo , ^{59}Co and ^{66}Zn , relating counts per second (CPS) to parts per billion (ppb). Linear relationships between the standard concentrations expected from dilutions and integrated ICPMS peaks were seen for all isotopes studied, and equations (Eqn.) for these are shown together with correlation coefficients (Cor. Coeff.). Calculated background equivalent concentrations (BEC) and detection limits (DL) for each calibrated isotope are shown.

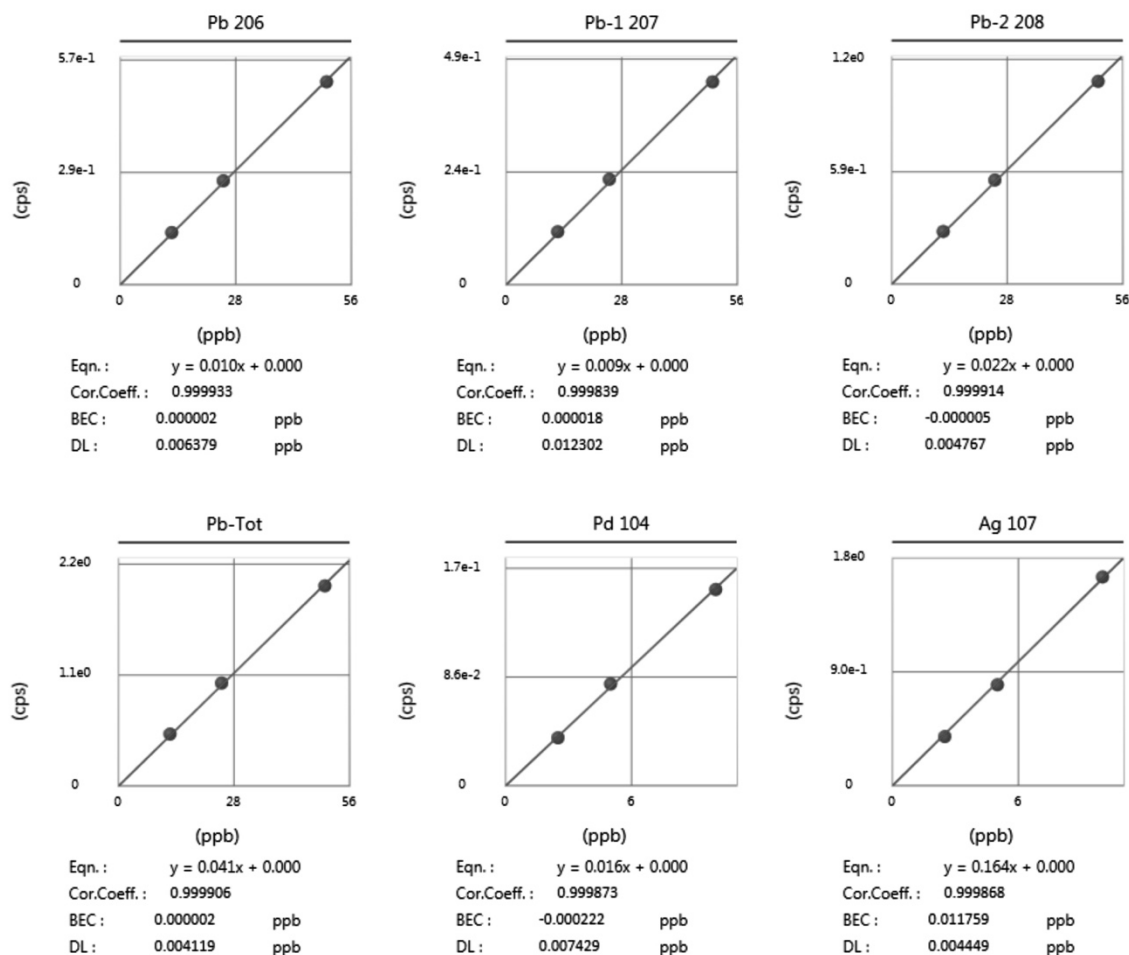


Figure S2. Graphs of ICP-MS standard curves for dilutions of commercially sourced standards for ^{206}Pb , ^{207}Pb , ^{208}Pb , ^{104}Pd and ^{107}Ag , as well as calculated summated Pb for all Pb isotopes (Pb-Tot), relating counts per second (CPS) to parts per billion (ppb). Linear relationships between the standard concentrations expected from dilutions and integrated ICPMS peaks were seen for all isotopes studied, and equations (Eqn.) for these are shown together with correlation coefficients (Cor. Coeff.). Calculated background equivalent concentrations (BEC) and detection limits (DL) for each calibrated isotope are shown.