

"A systematic characterization of *fibulae* from Italy: from chemical composition to microstructure and corrosion processes "

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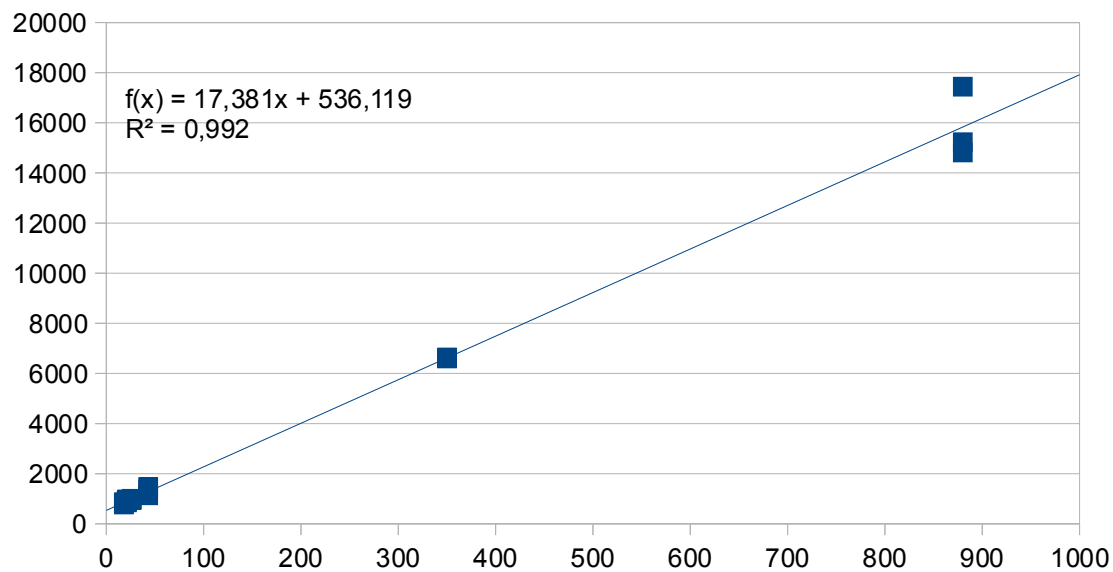
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	Cuprite Average thickness (µm)	Atacamite/ Clinoatacamite Average thickness (µm)	Other compounds	Type of patina
1	150	-	Tenorite	I
2	<100	Ata 165	Tenorite	II
3	700	Ata		II/rolled layer
4	1700	Ata/Cl 300		II
5	300	Ata/Cl 800		II
6	50	Ata 1500		II
7	300	Ata 50	Malachite	I
8	1000	Ata/Cl 500		II
9	450	Cl	Cerussite, Phosgenite, Malachite	I
10	<100	Ata <50		I
11	260	Ata 660	Paratacamite	II
12	1000	Ata		II/rolled layer
13	100	-		I
14	200	Ata 200		II
15	10	-		I
16	200	-		I
17	100	-		I
18	<100	-		I
19	120	Ata 120		II
20	1500	Ata 800		II
21	1000	Ata/Cl 320		II

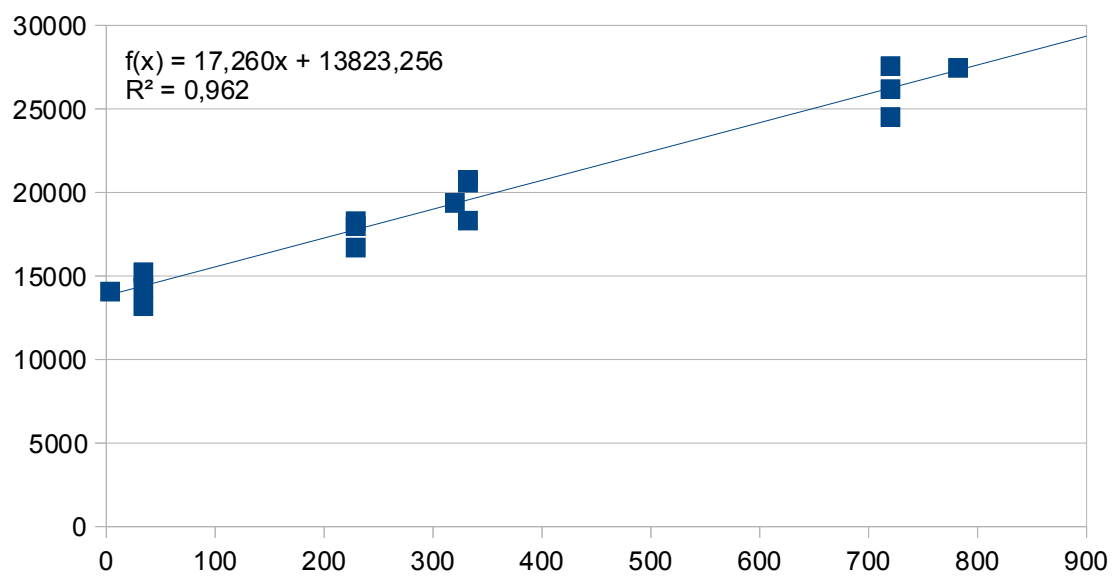
Table: Corrosion products identified by Raman Spectroscopy on *fibulae* cross sections, average thickness and type of patina (I or II) according to the classification suggested by Robbiola⁴⁶ (Ata= atacamite; Cl= clinoatacamite).

LA-ICPMS Calibration curves

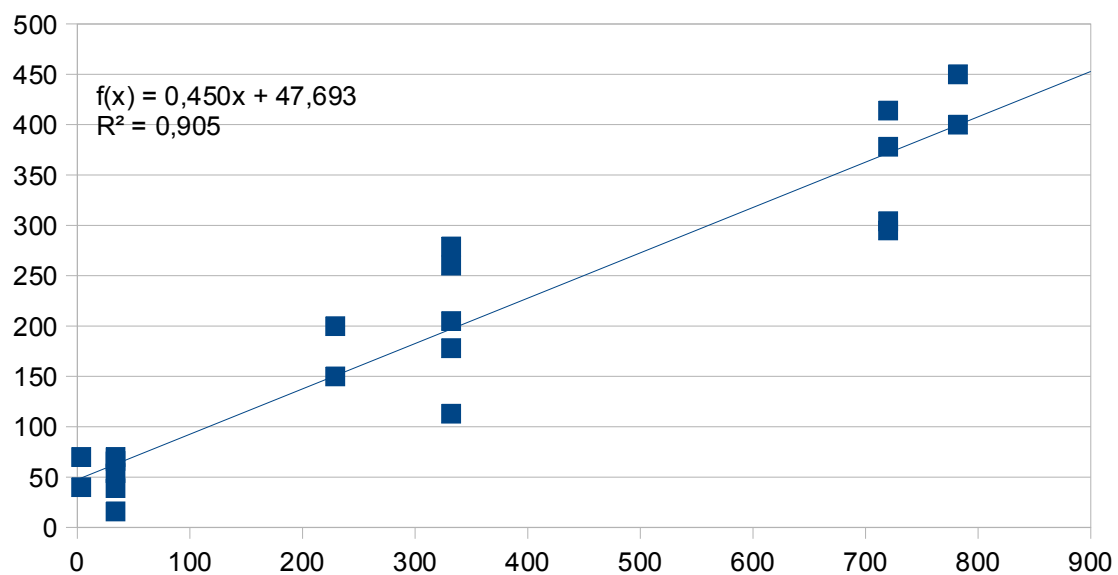
Mn



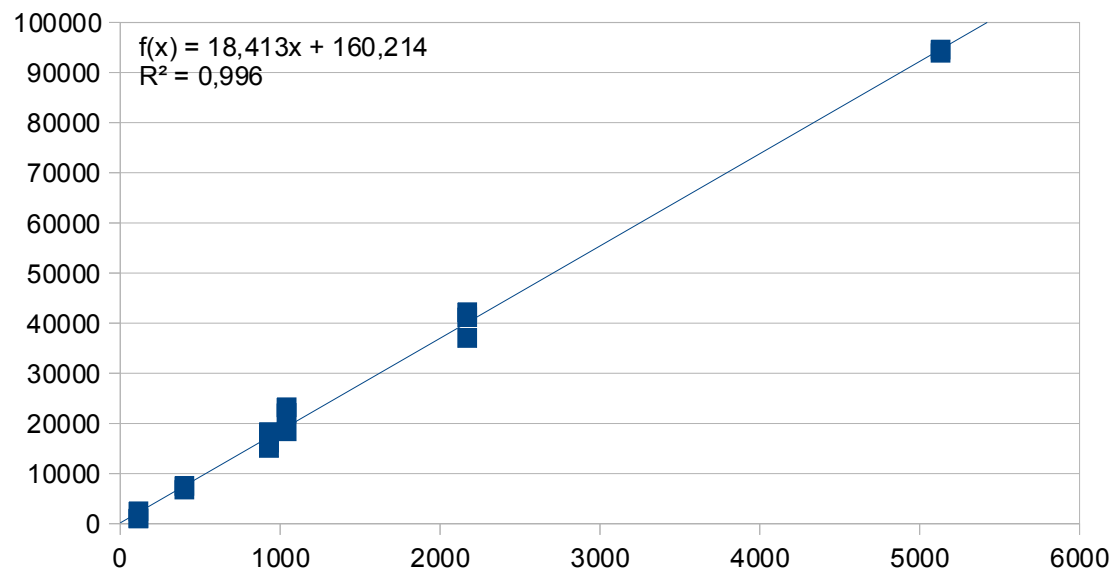
⁵⁶Fe



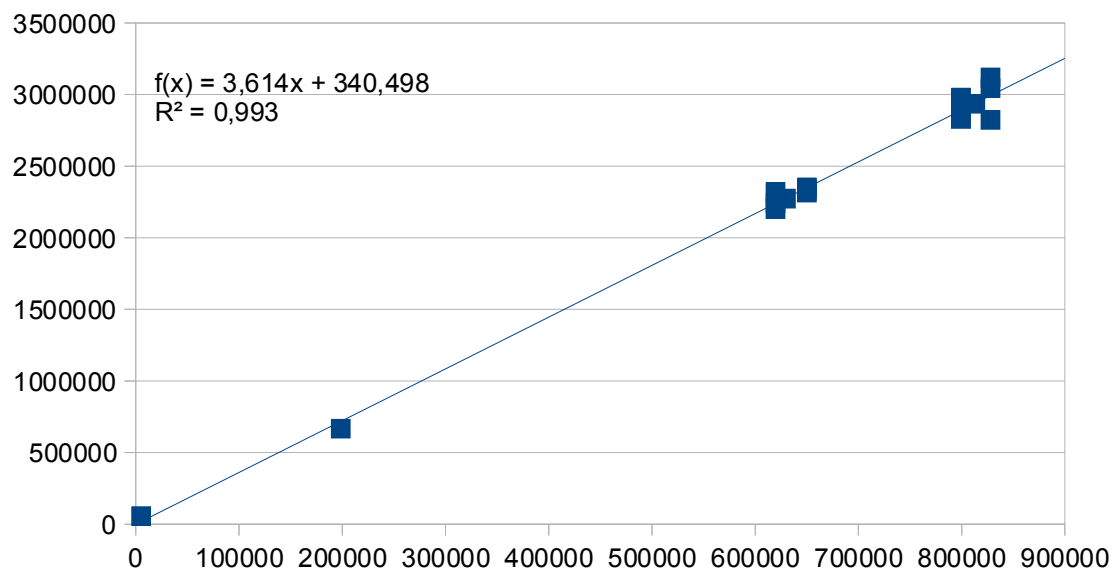
^{57}Fe



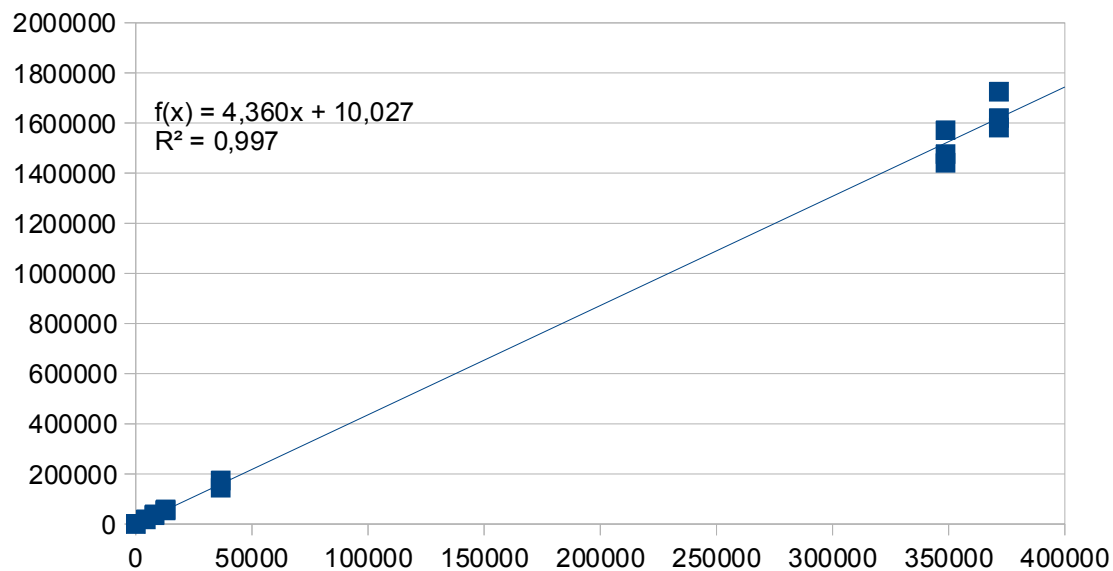
Ni



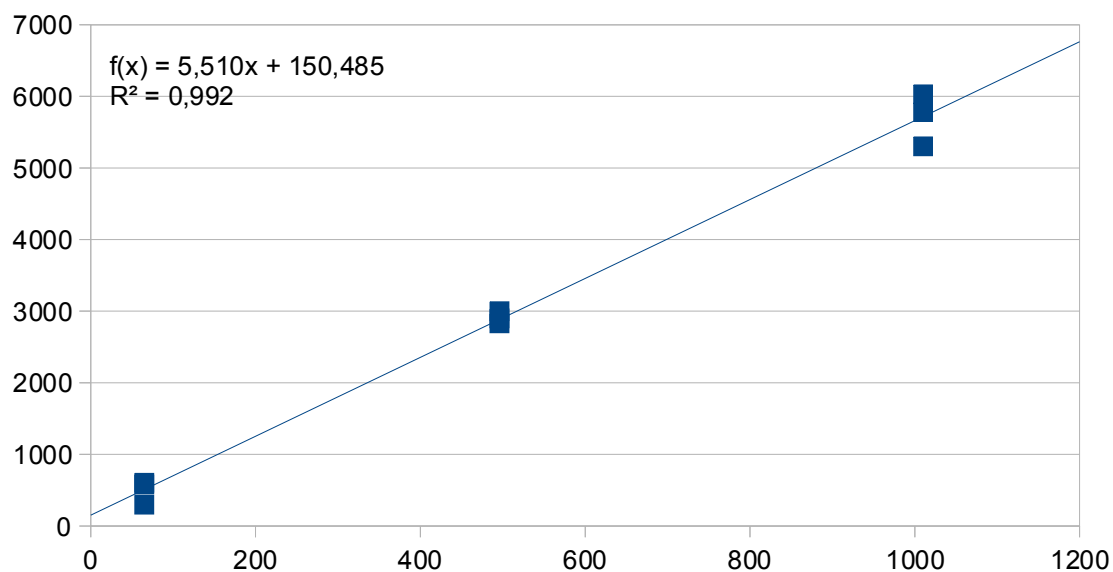
Cu



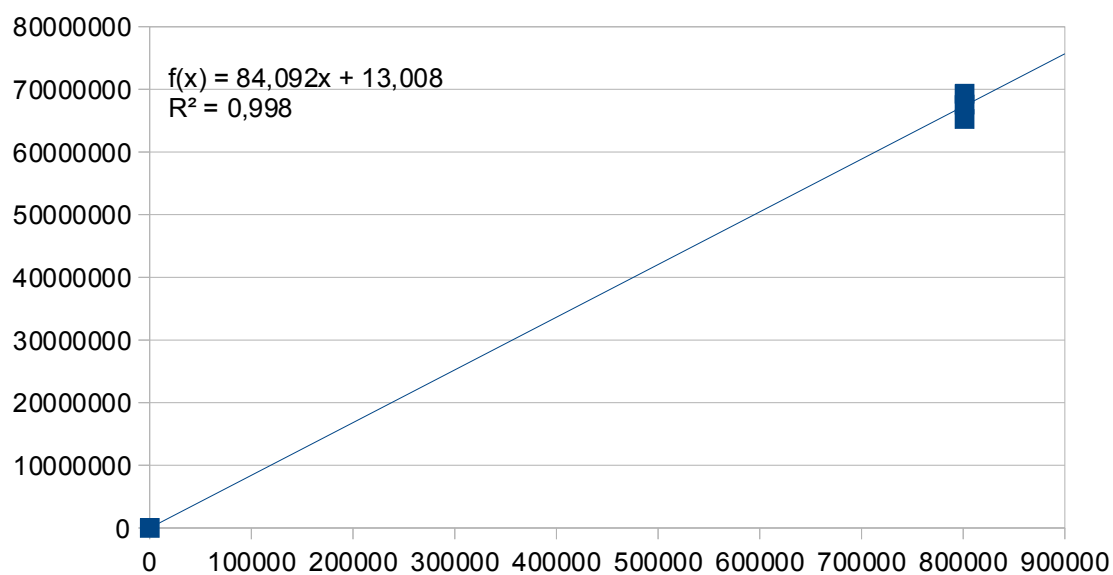
Zn



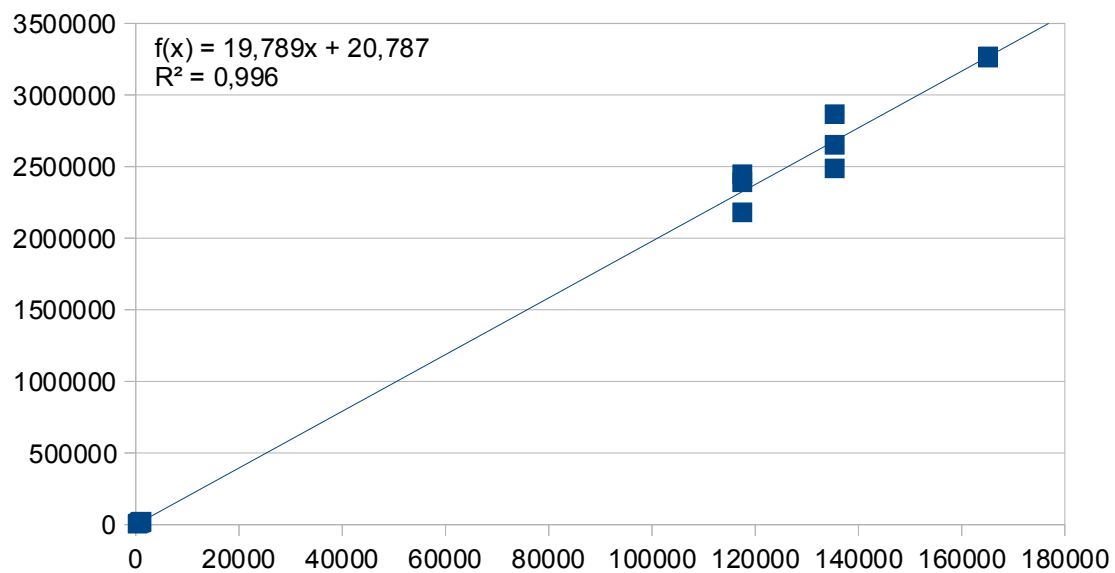
As



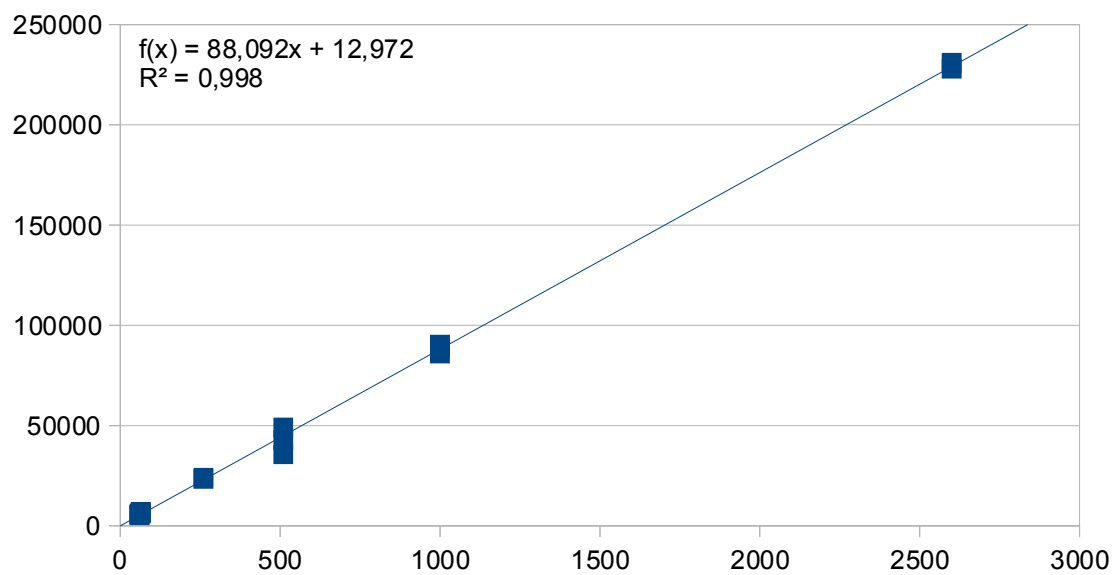
Ag



Sn



Sb



Pb

