Regina Raul Mural

Lee Drake
Mexico City, May 8th, 2015


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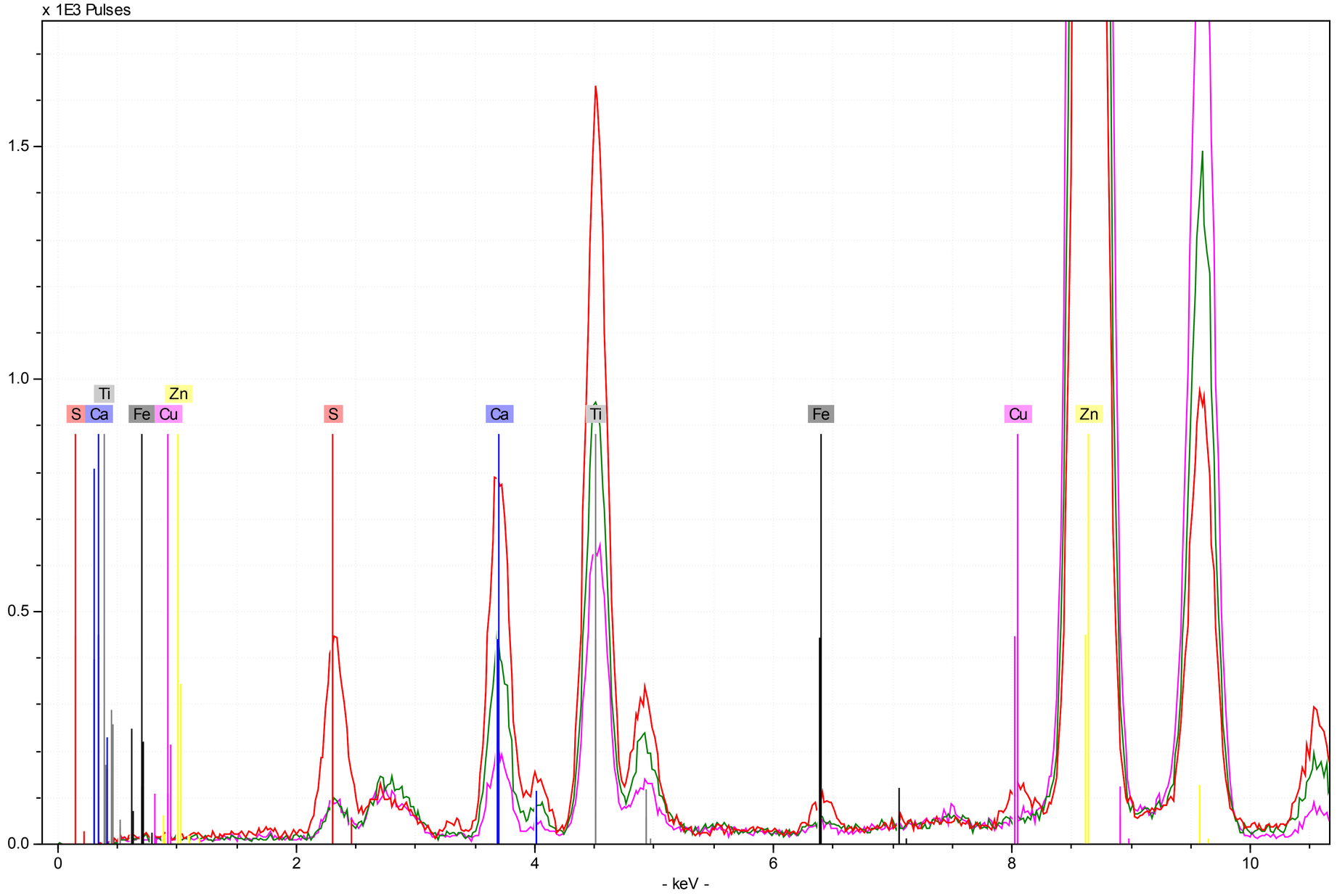
21
3



Base Damage 20

Base Damage 3

Base Damage 21

Base Damage 20 shows lots of calcium and sulfur, this suggests the calcium sulfate base is exposed here. This raises the possibility that calcium sulfate itself may contribute to the problem, perhaps expanding due to moisture.


11
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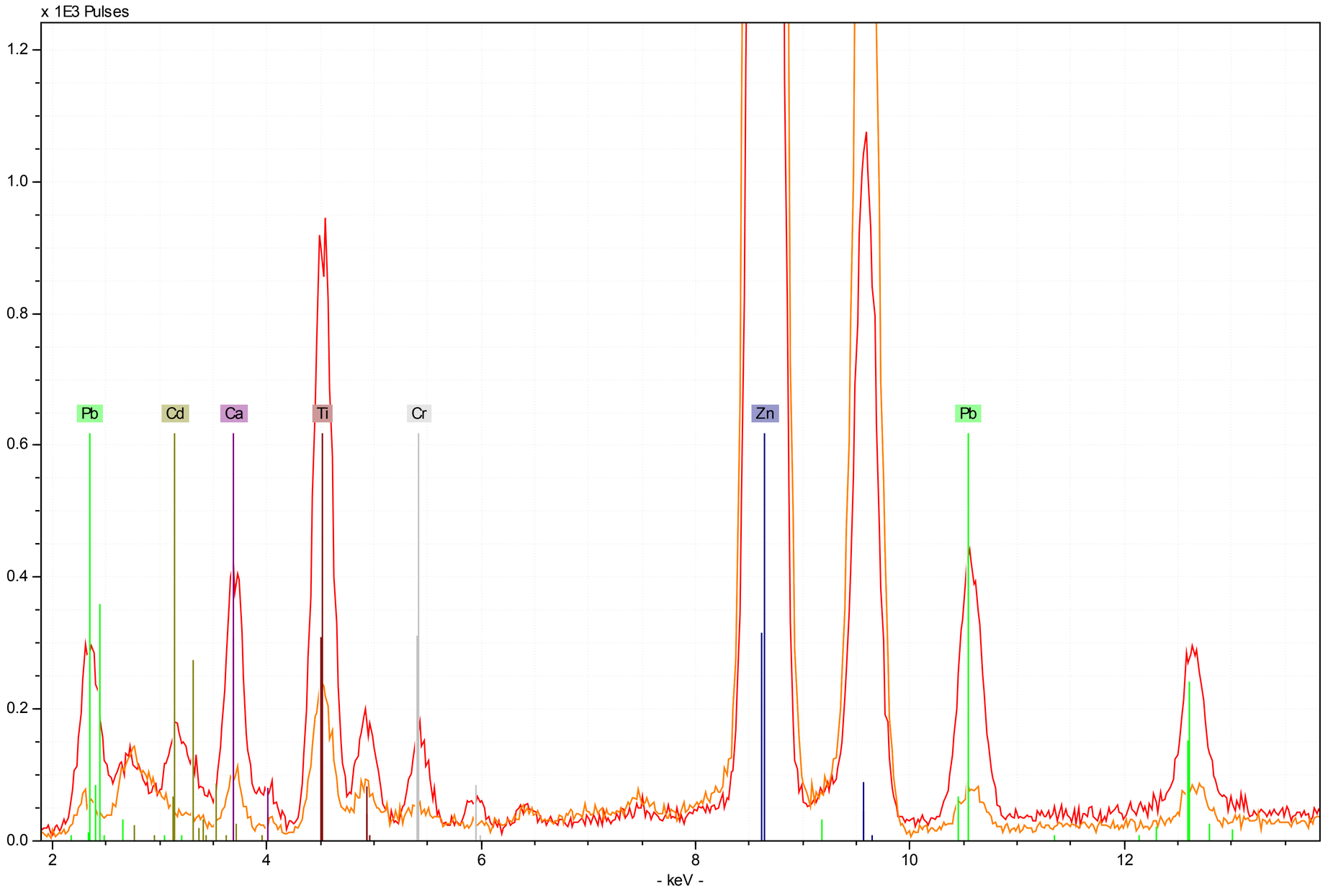

Orange Sun 11

Yellow Sun Rays 12

The orange sun is the product of cadmium orange perhaps mixed with chrome yellow. Yellow sun rays down show a key element, perhaps indicating an organic pigment.


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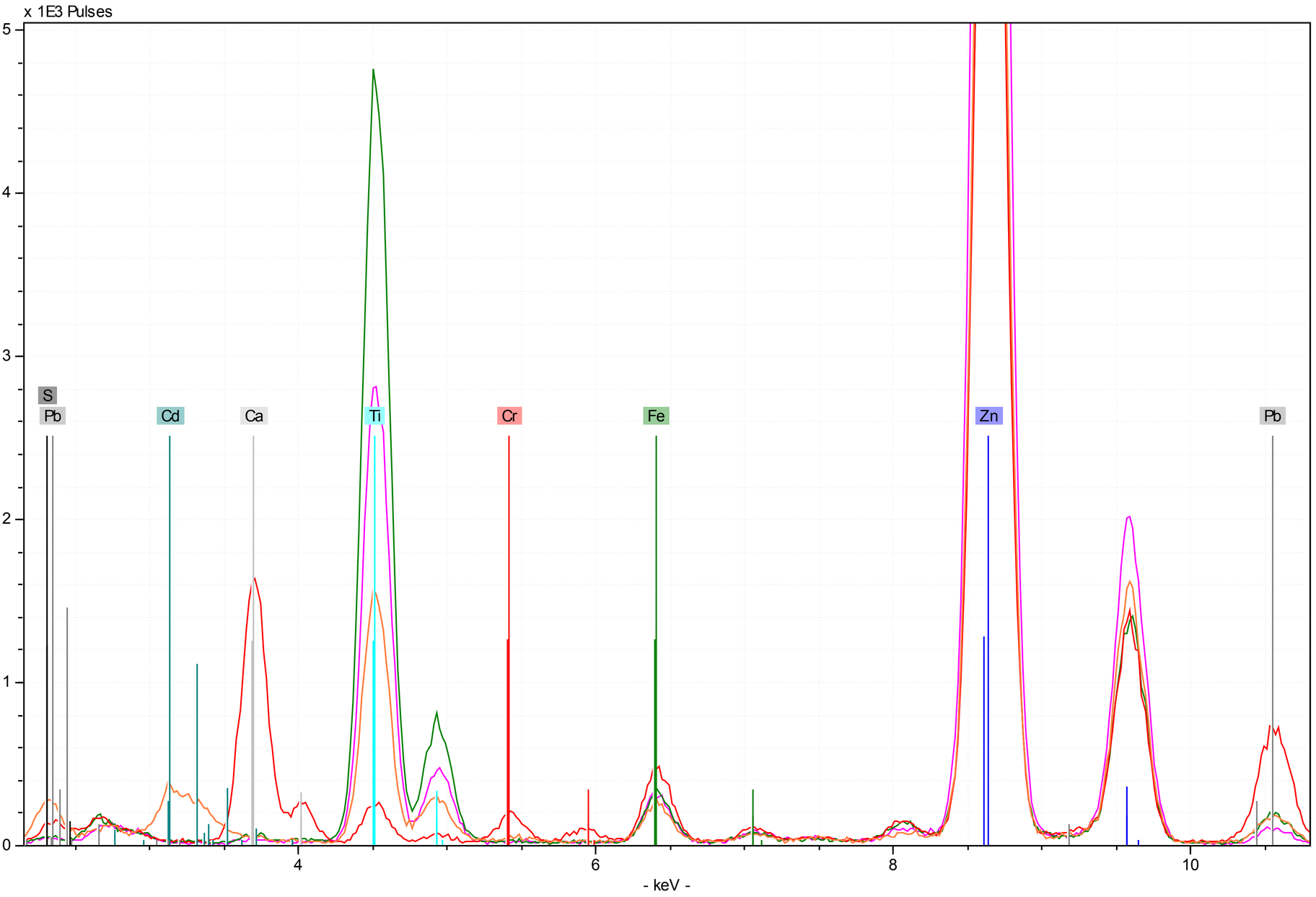

Red Powder 6

Green Powder 5

White Powder 8

Yellow Powder 7

The red color may be in part due to minium (lead red). The green powder doesn't have a diagnostic element, perhaps it is organic. The white has more zinc white. The yellow has cadmium, indicating cadmium yellow.


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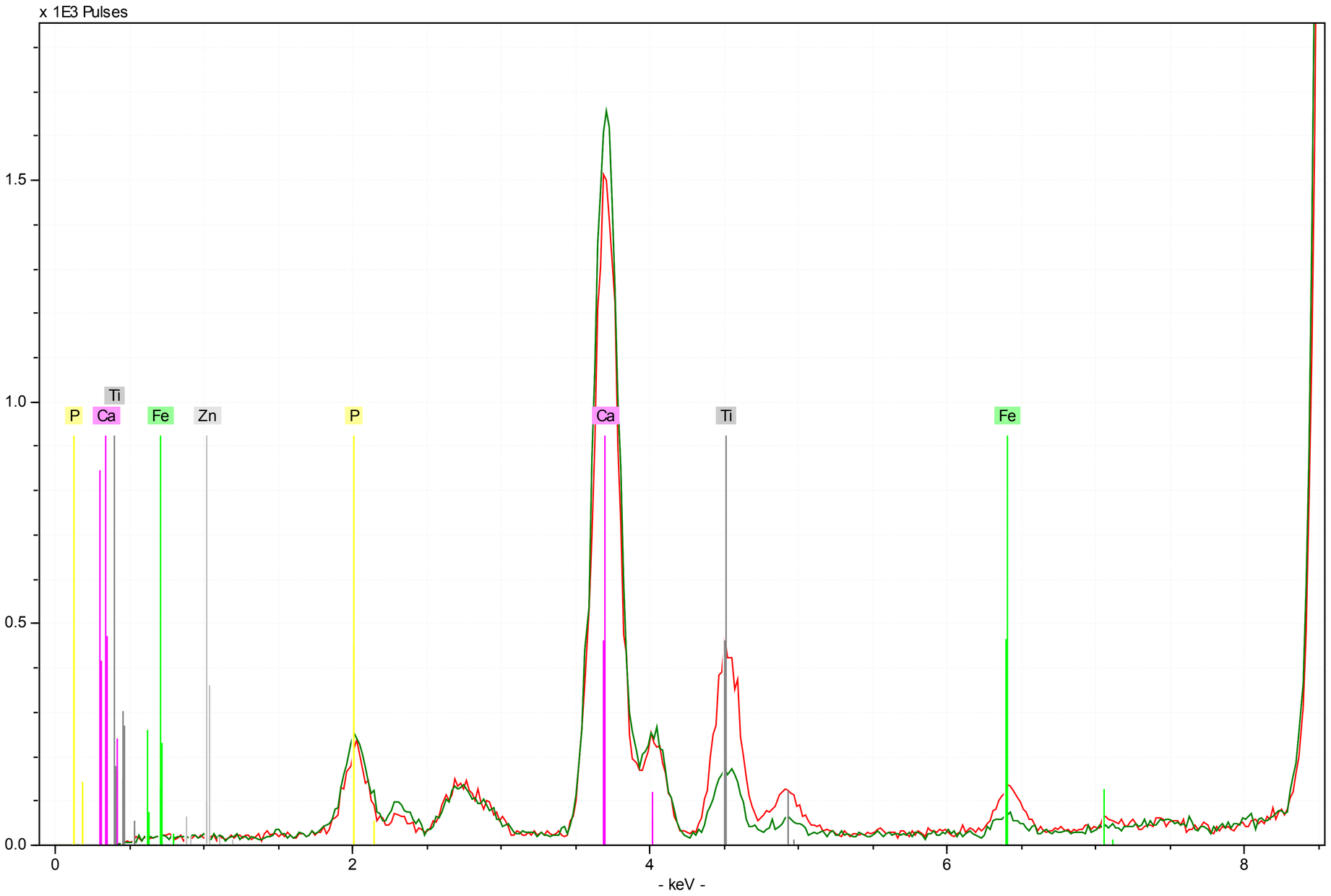

Black Hair 10

Shield Black 23

The presence of both calcium and phosphorous indicates the presence of calcium phosphate, which in turn suggests we are looking at bone black.


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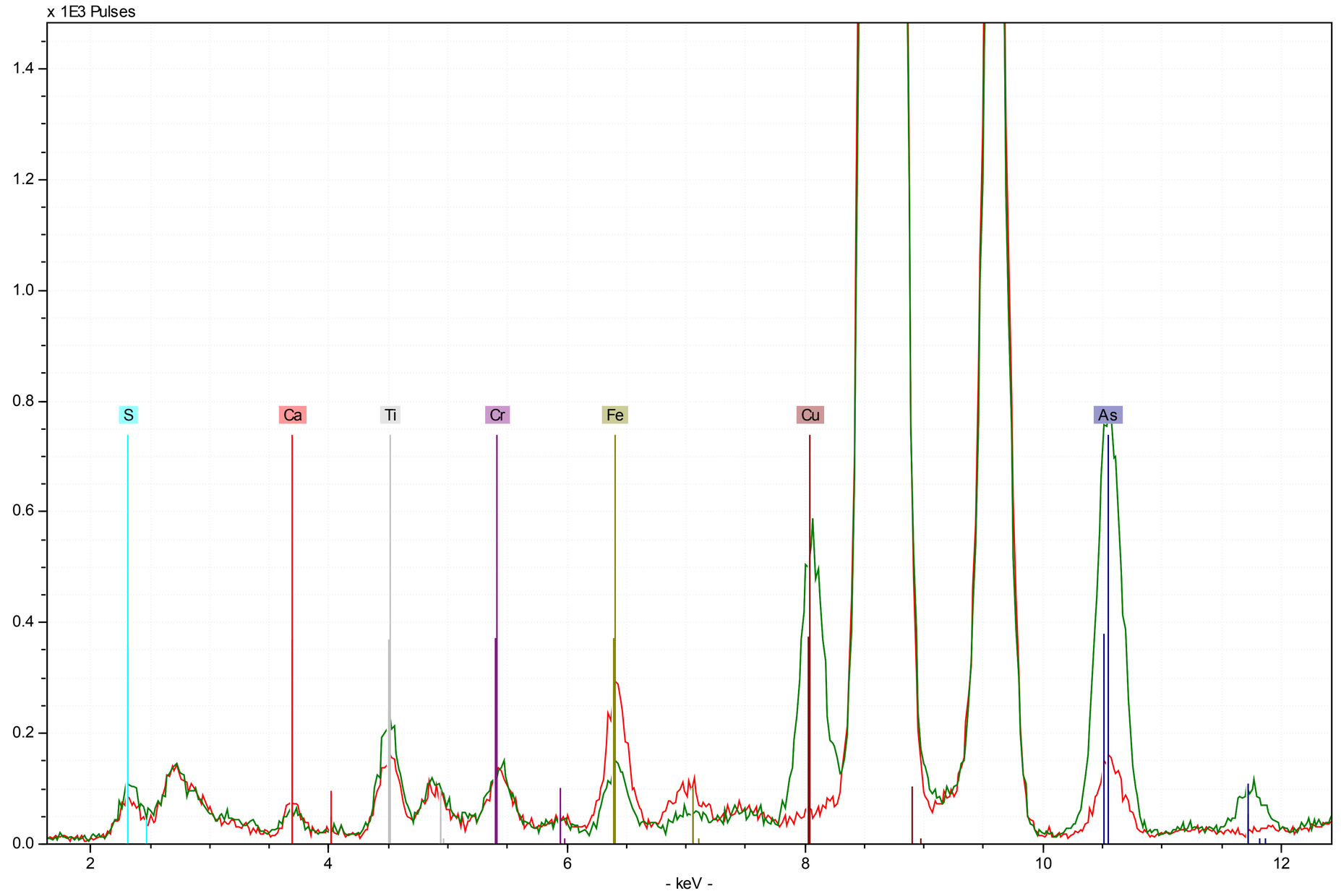
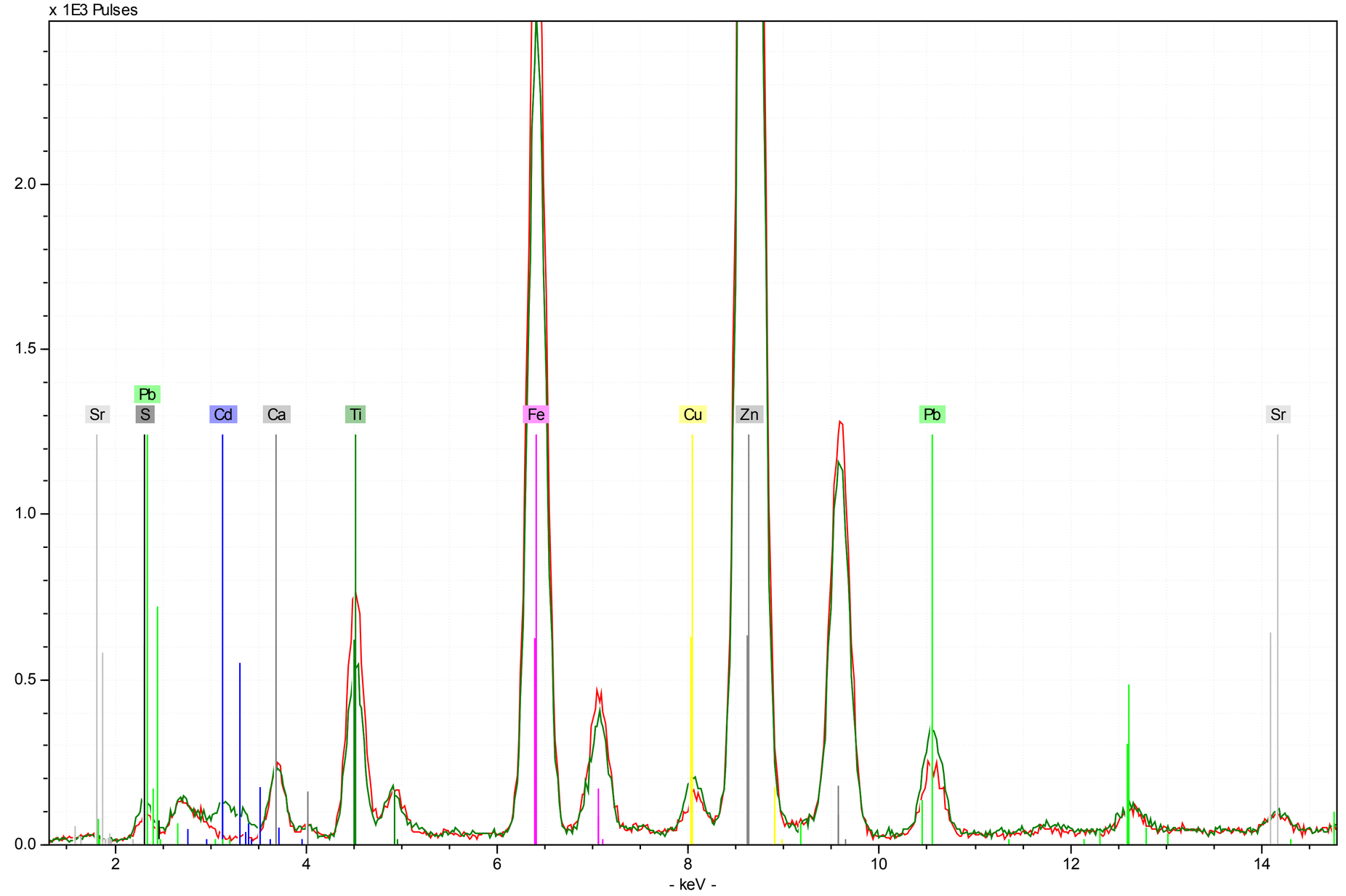


Dark Green Chile 18

Light Green Chile 19

The light green chile has copper and arsenic, suggesting Schleele's Green. The dark green has iron, but not much else, suggesting an organic pigment with perhaps some green earth.


15
14



Wood Spear 14

Green Obsidian 15

The wood spear does not have a diagnostic metal, indicating perhaps an organic pigment. Though the presence of iron may suggest some hematite. The green obsidian is the result of cadmium green, based on the L-lines of Cd.


1
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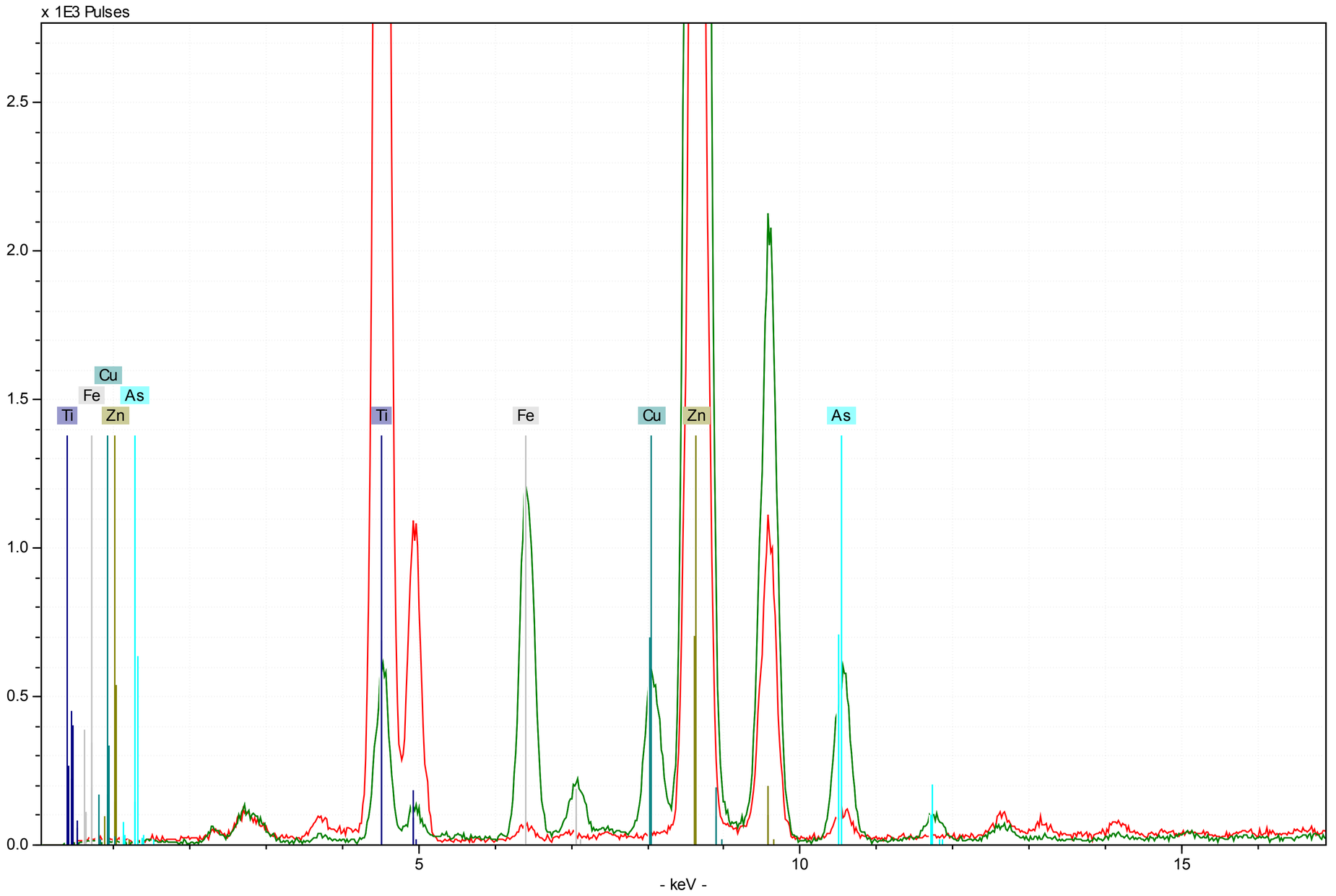

White Cloth 1

Skin 9

The white color includes lots of titanium, suggesting lots of titanium dioxide. The skin includes iron, copper, and arsenic. This is an unusual combination, though perhaps a mix of Schleele's Green, zinc oxide, and hematite created the brown - though that is only speculation.


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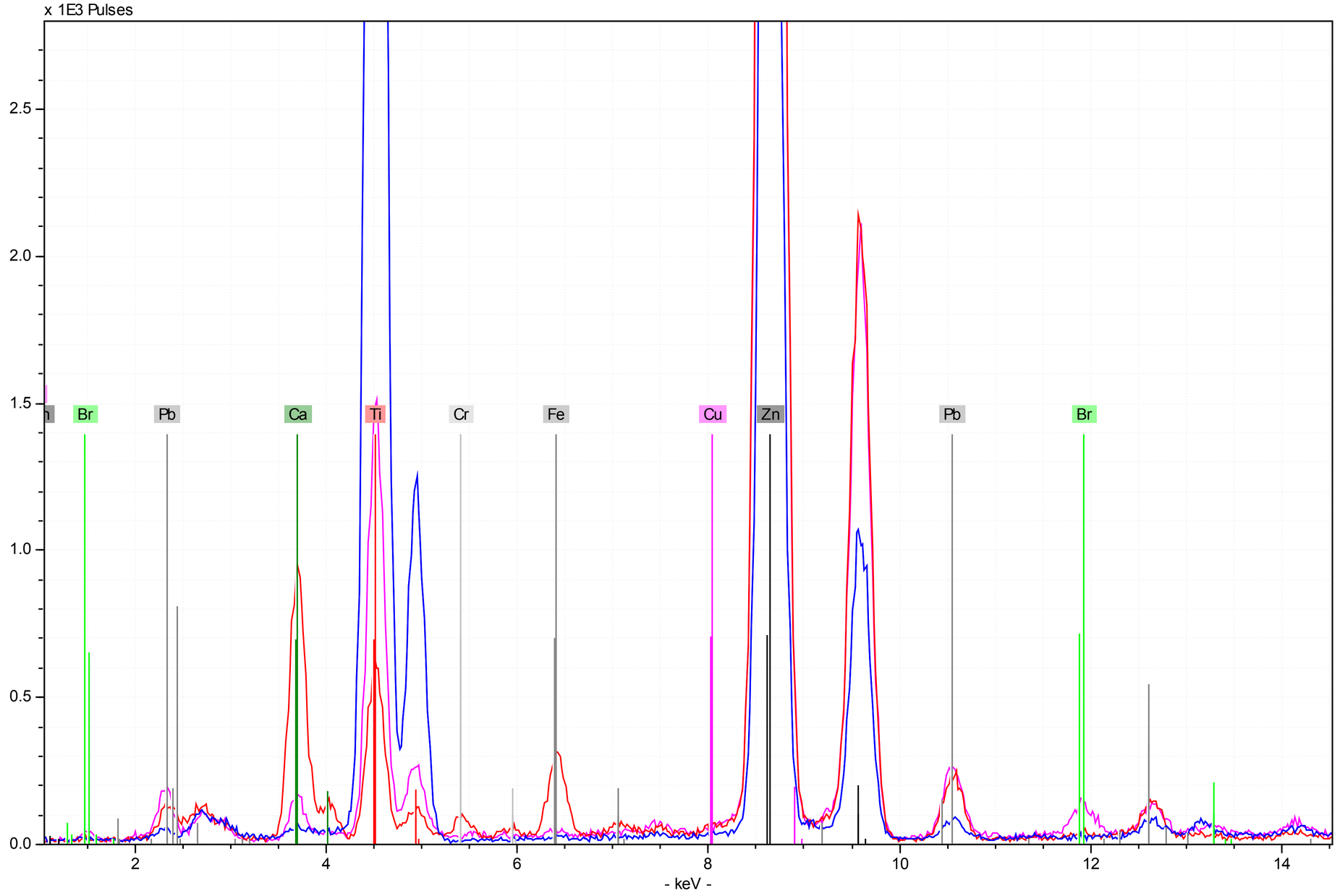

Red Bird 2

Blue Ghost 13

Fuchsia Feather 22

The red bird appears to be a hematite, but likely mixed with an organic red pigment. The blue color is likely organic, as no diagnostic metal is present. The high concentration of titanium also suggest this. The fuchsia feather includes bromine, raising the possibility that mollusks were used to create this pigment.


17
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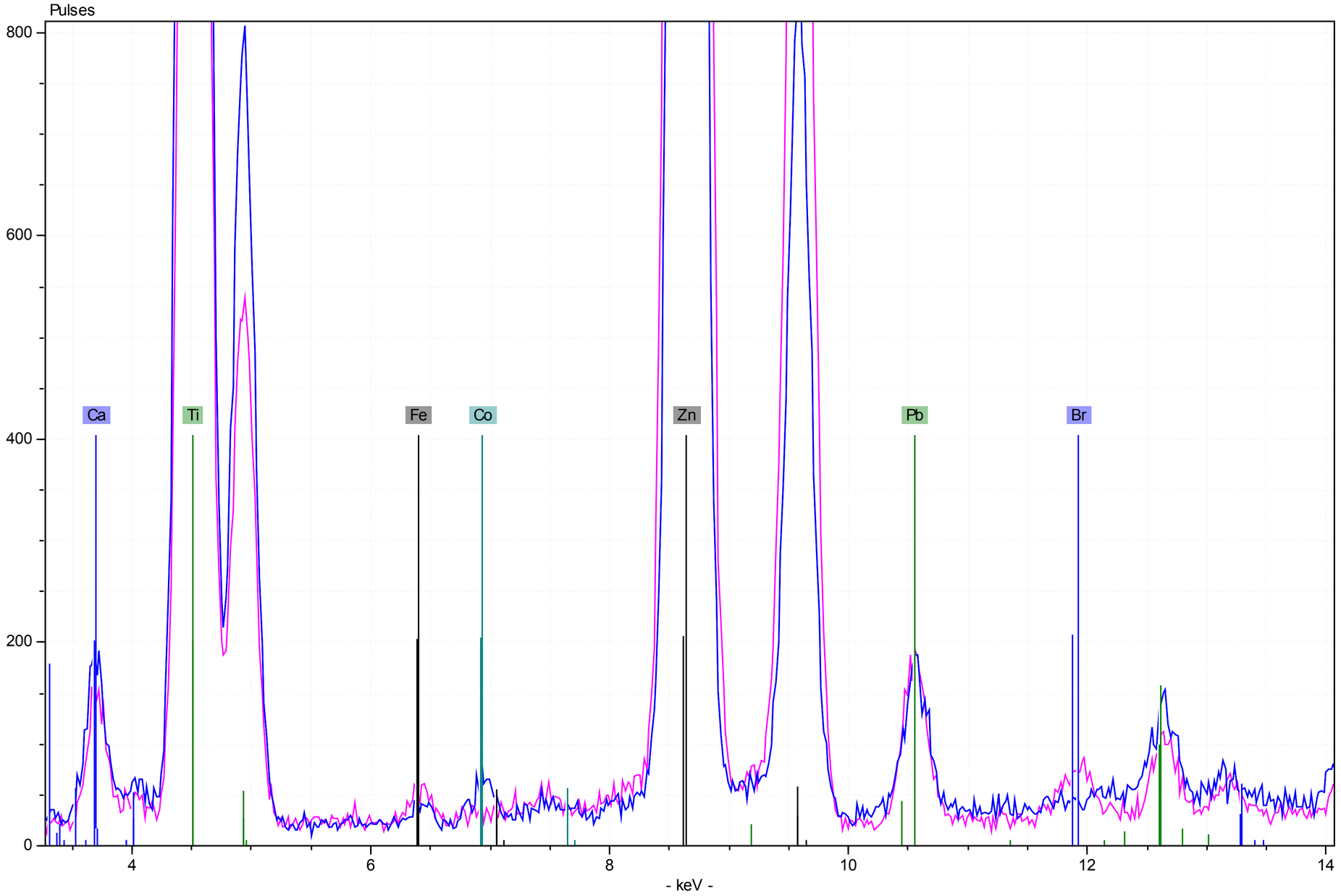

Pink Leaf 16

Blue Background 17

The pink leaf includes bromine, suggesting a pigment derived from mollusks. The blue pigment includes cobalt, suggesting a traditional cobalt blue.