

**Determination and speciation of phosphorus in fertilizers and mineral supplements
by cattle by X-ray absorption near edge structure spectroscopy: a simple
nondestructive method**

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Appendix A. Supplementary data

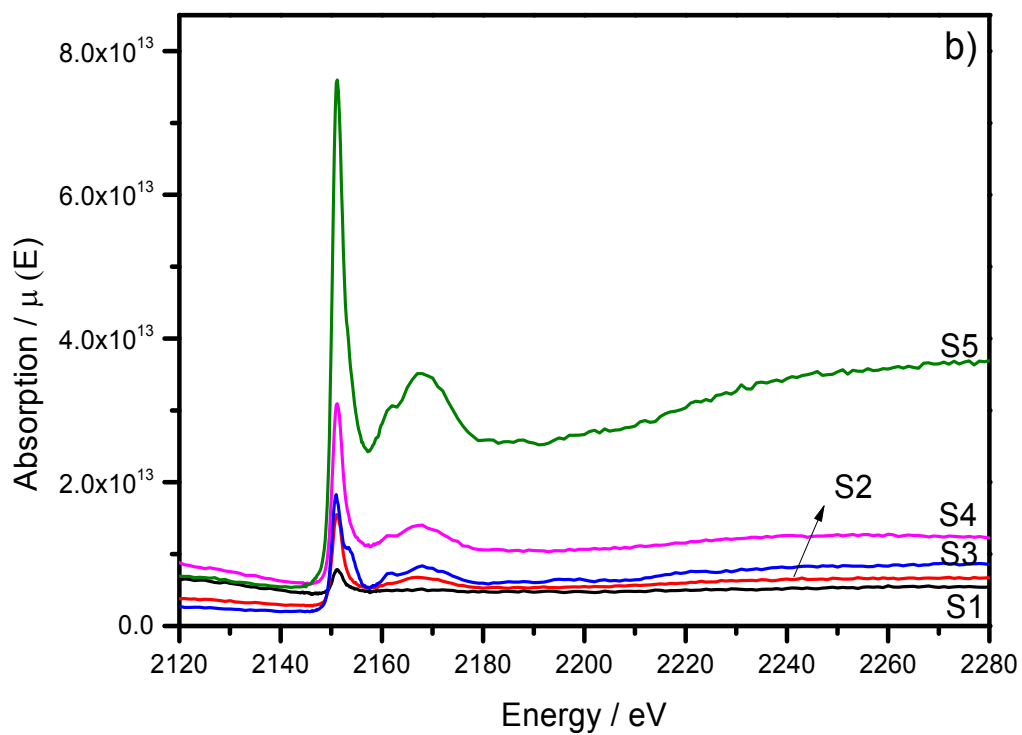
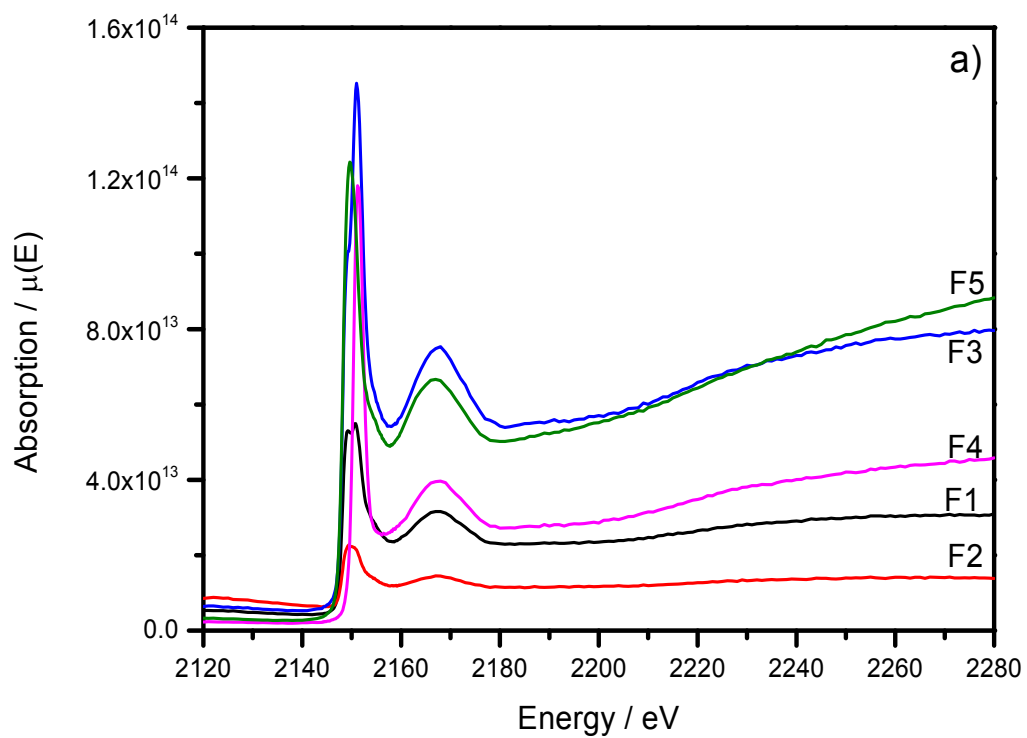


Figure S1. Phosphorus K-edge XANES spectra for fertilizers (F) (a) and mineral supplement for cattle (S) (b).

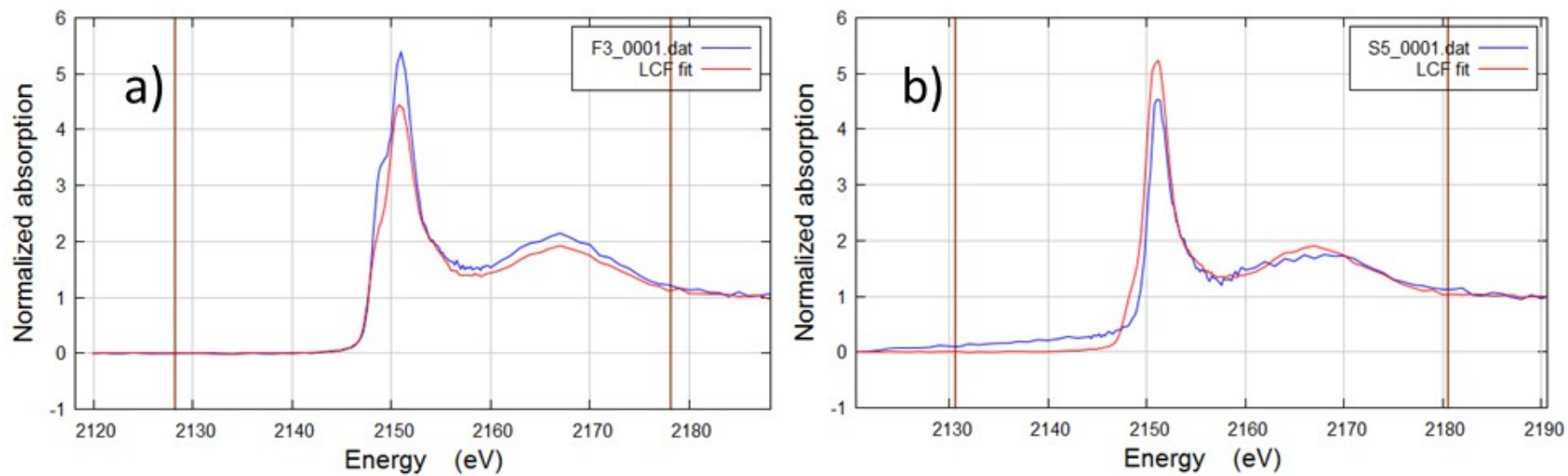


Figure S2. Linear combination fitting using two standards (phosphite and phosphate) for (a) fertilizer #3 and (b) mineral supplement for cattle #5.

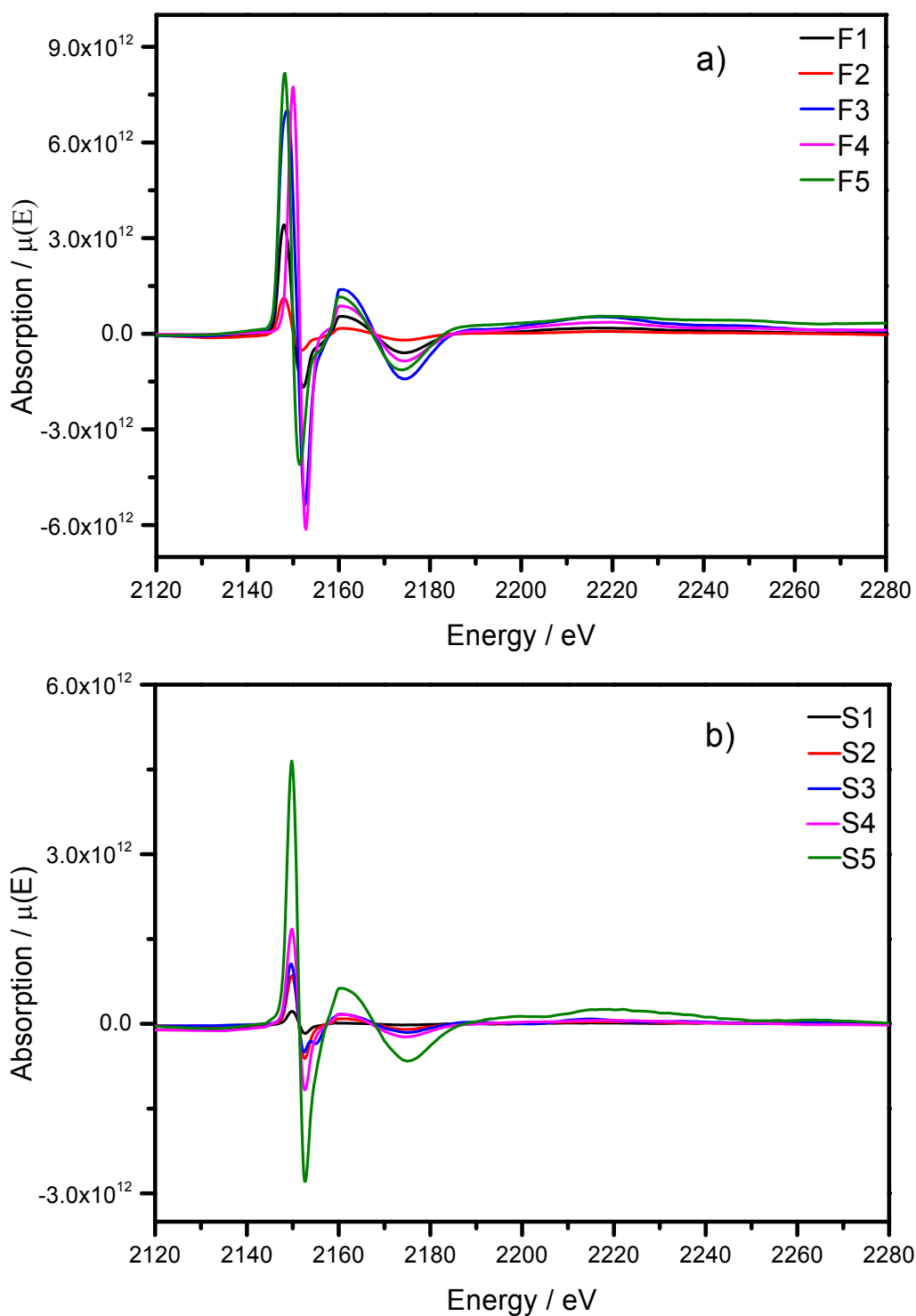


Figure 3S. First derivative of the P K-edge XANES spectra of the (a) fertilizers (F) and (b) mineral supplement for cattle (S) samples analyzed by the proposed PLS models.