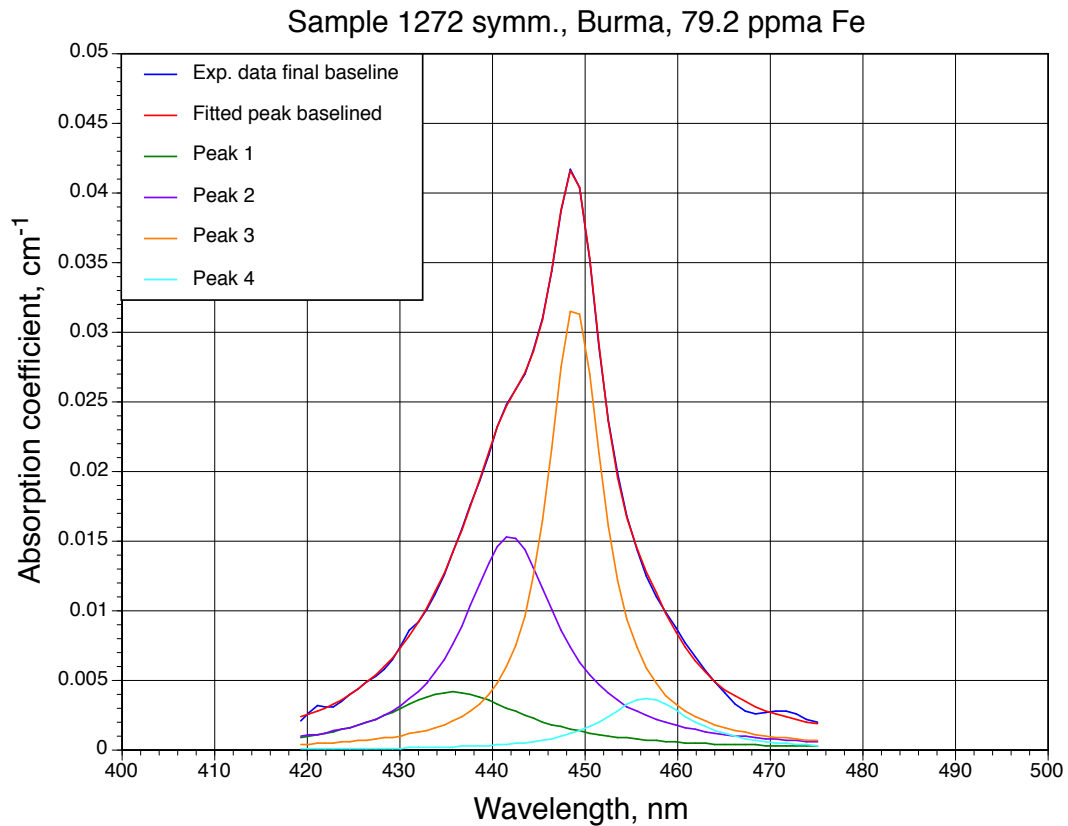
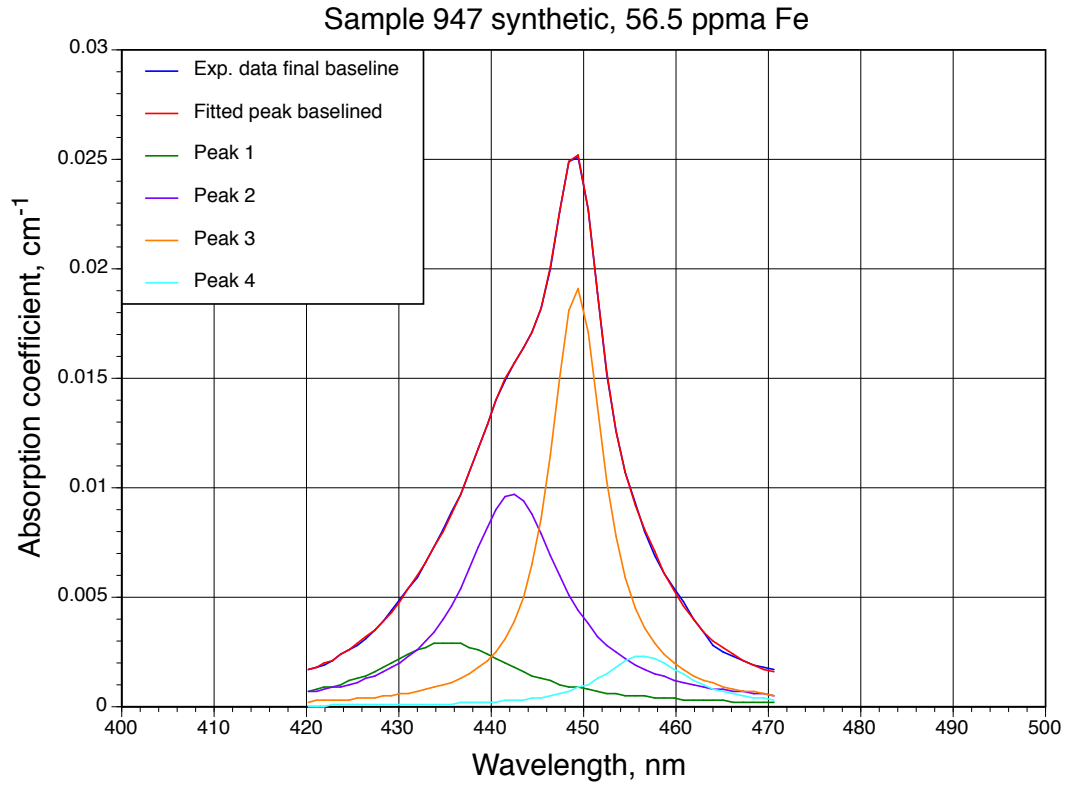
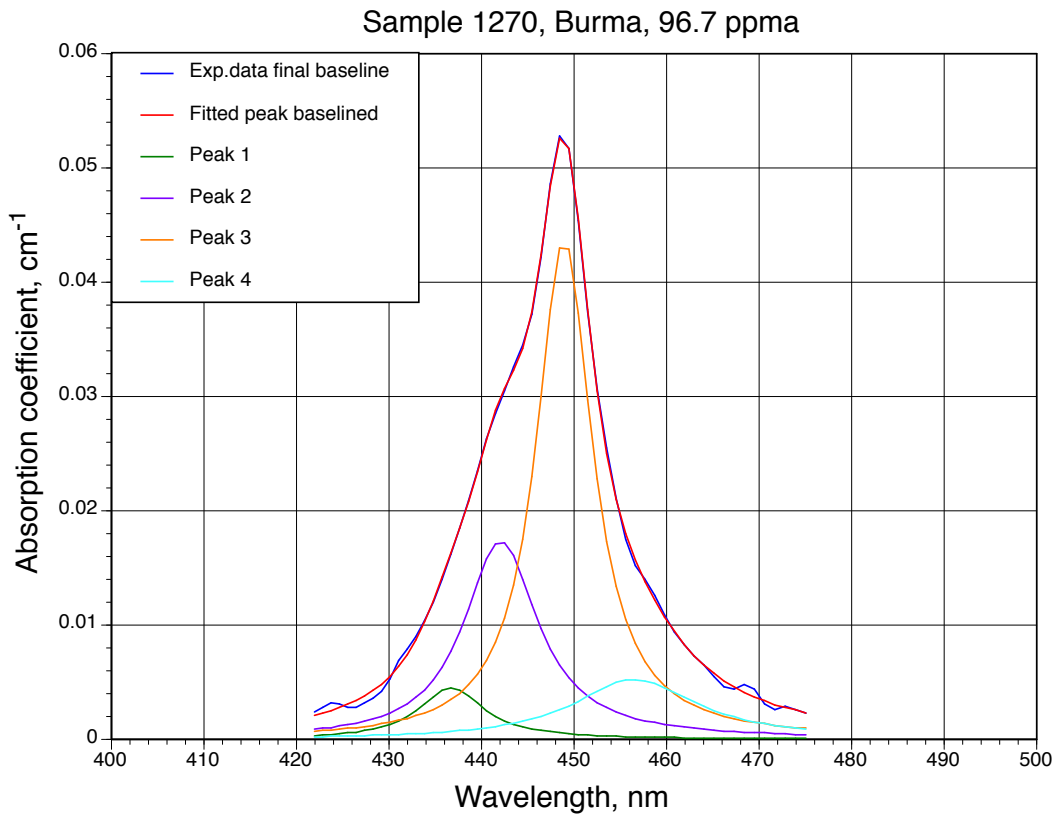
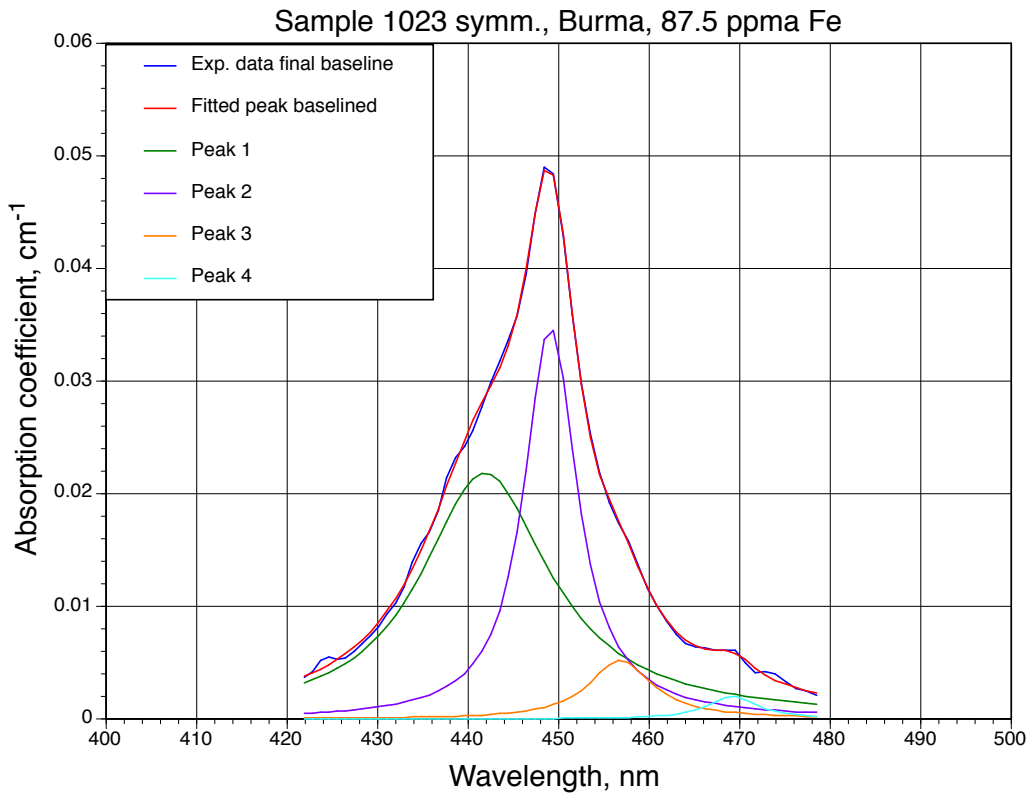


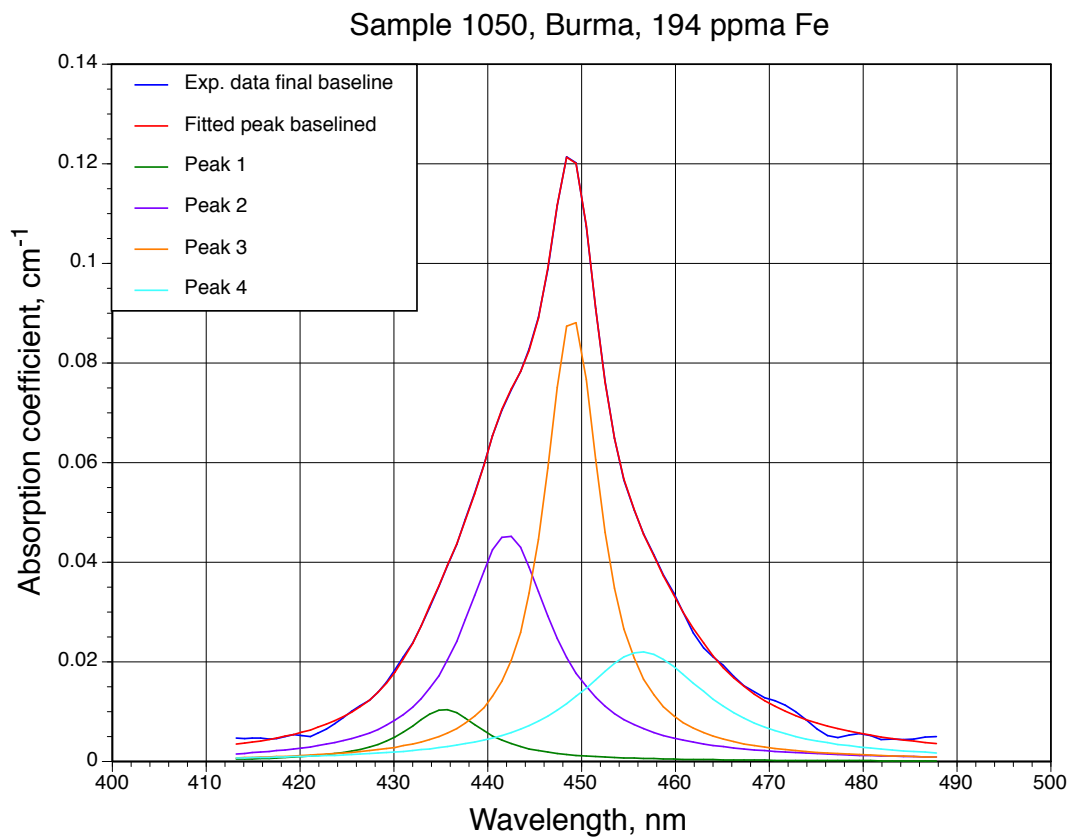
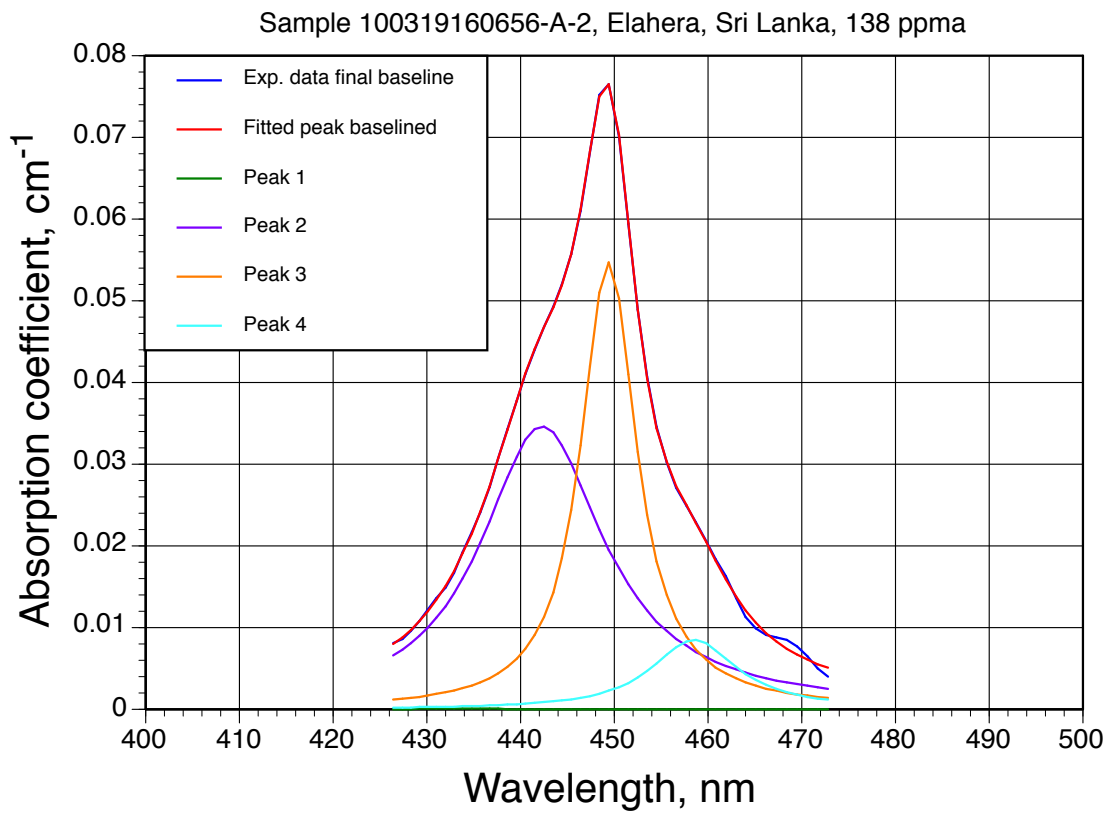
From “Yellow Sapphire: Natural, Heat-Treated, Beryllium-Diffused, and Synthetic”
John L. Emmett, Ungkhana Atikarnsakul, Jennifer Stone-Sundberg, and Supharart Sangsawong
Gems & Gemology, Vol. 59, No. 3, pp. 268–297

Appendix 1

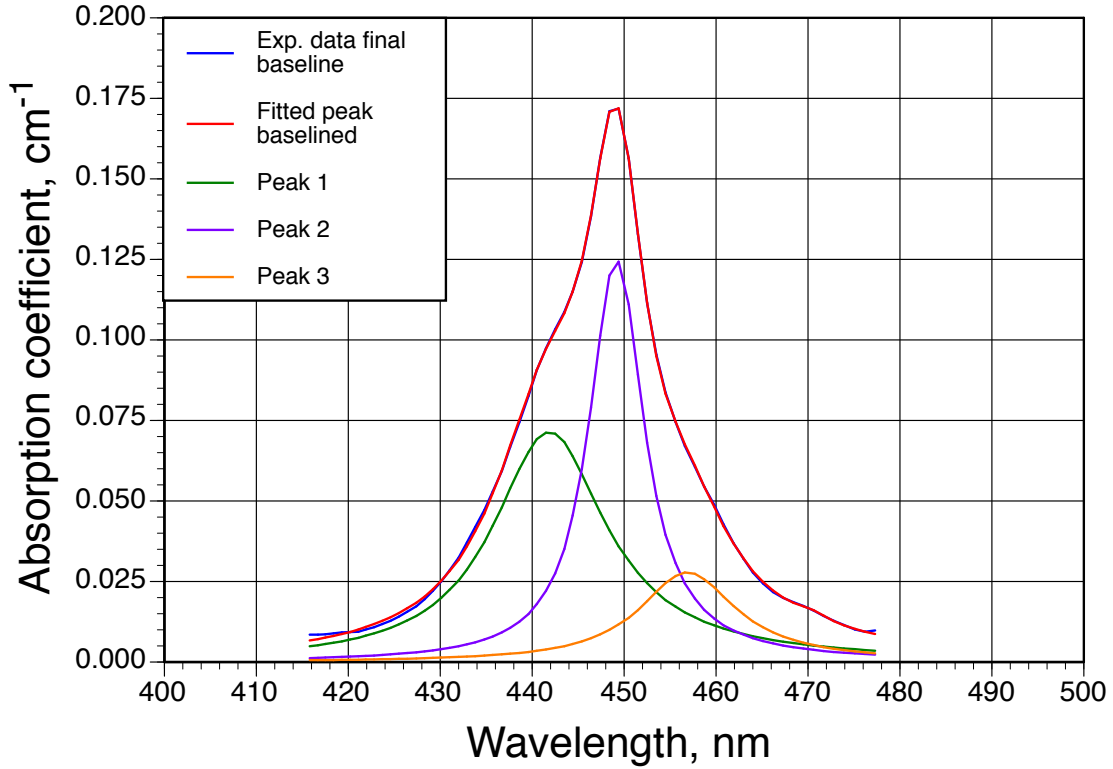
This appendix is comprised of 24 spectra of the Fe³⁺ 450 nm band in corundum samples. The Fe concentrations of these samples range from 56.5 to 4730 ppma. The spectra presented are for the E ⊥ c (O-ray) only.



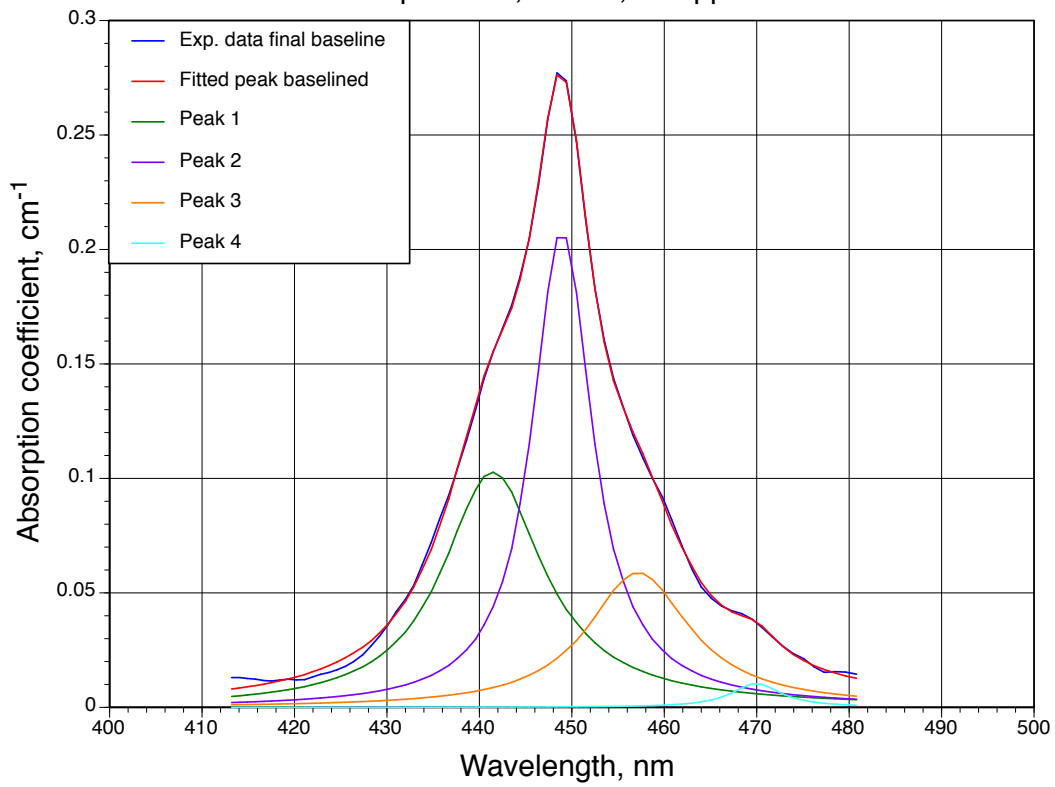


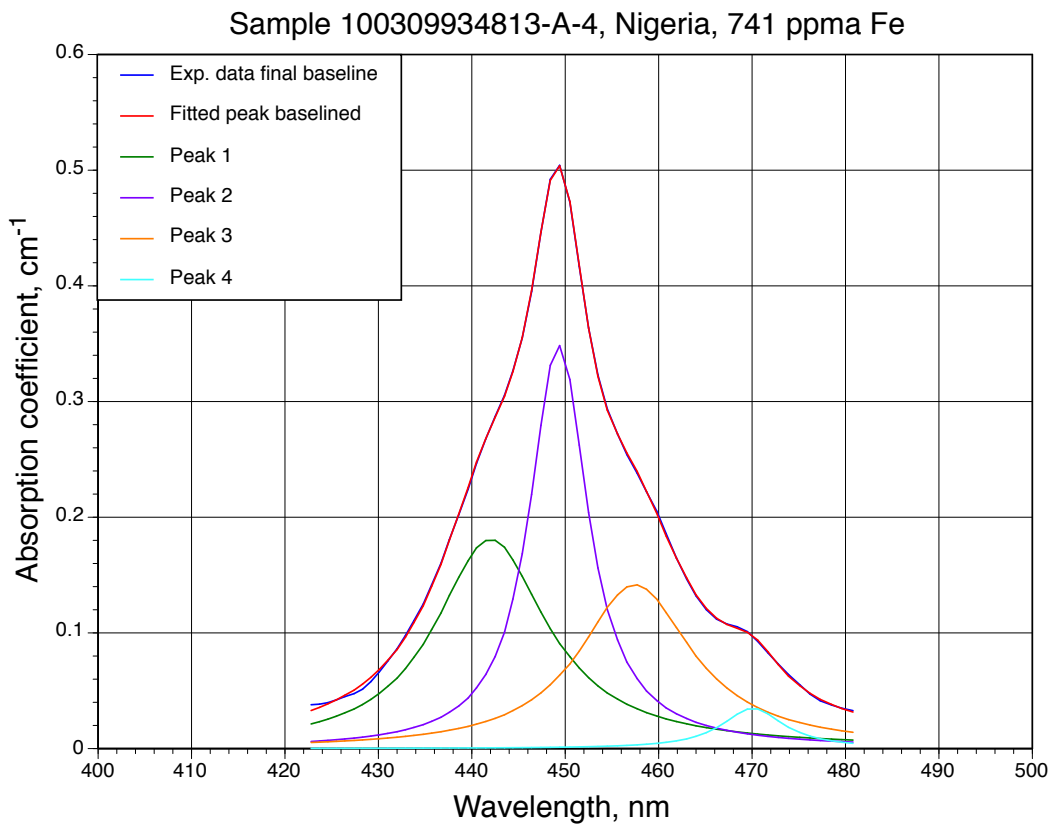
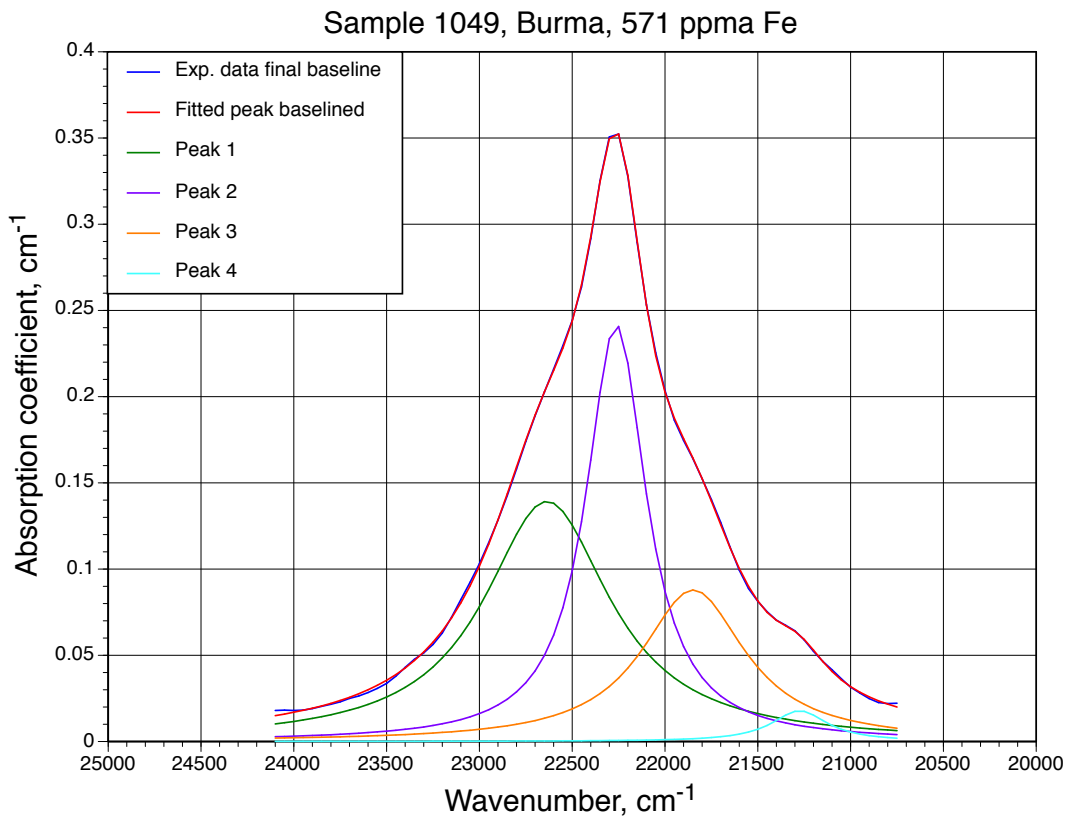


Sample 669313402-A-4, Elahera, SriLanka, 298 ppma

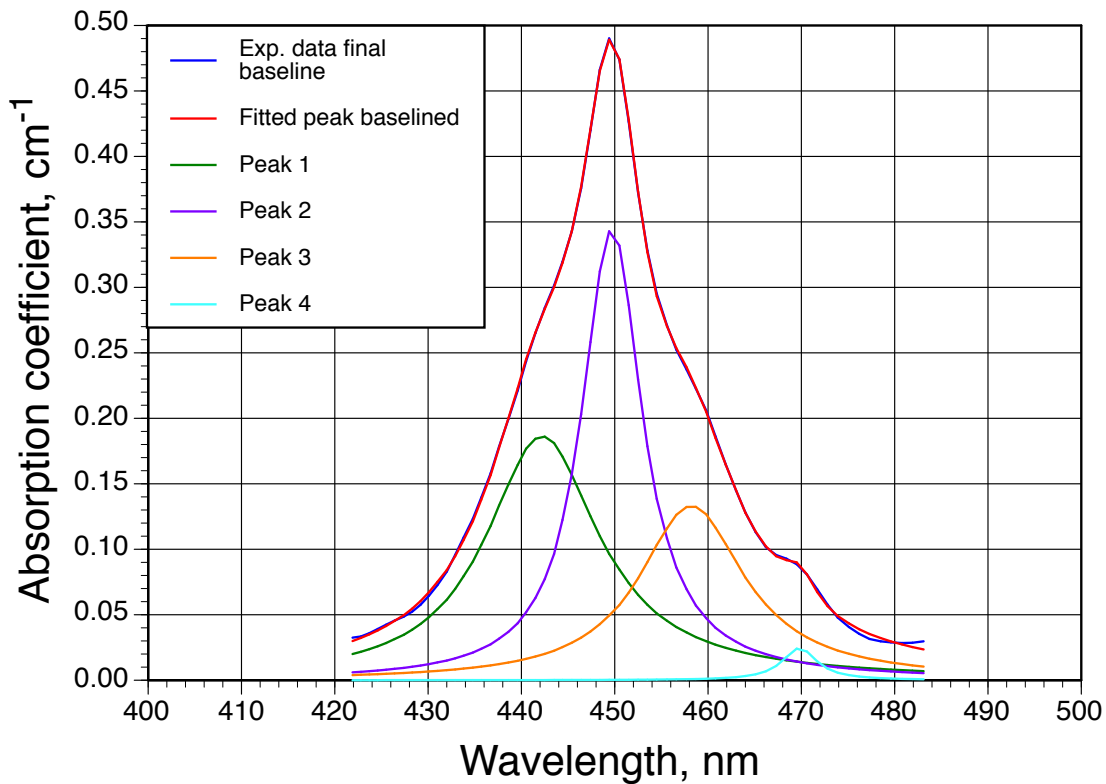


Sample 1017, Burma, 447 ppma Fe

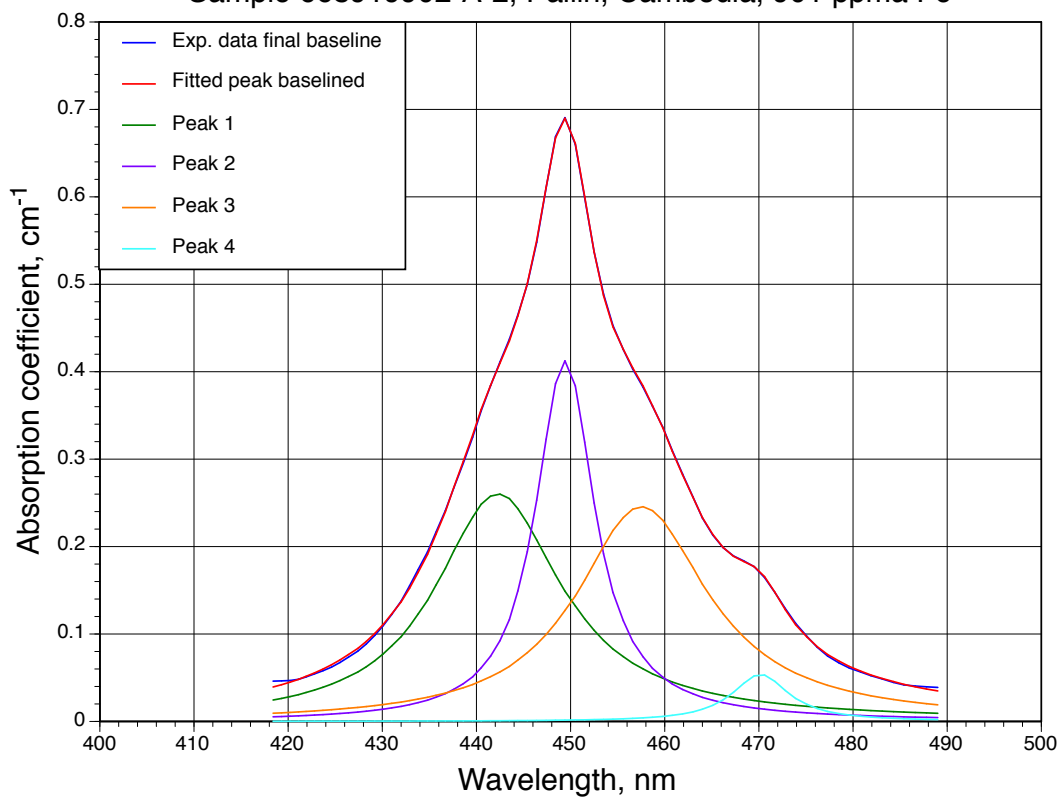


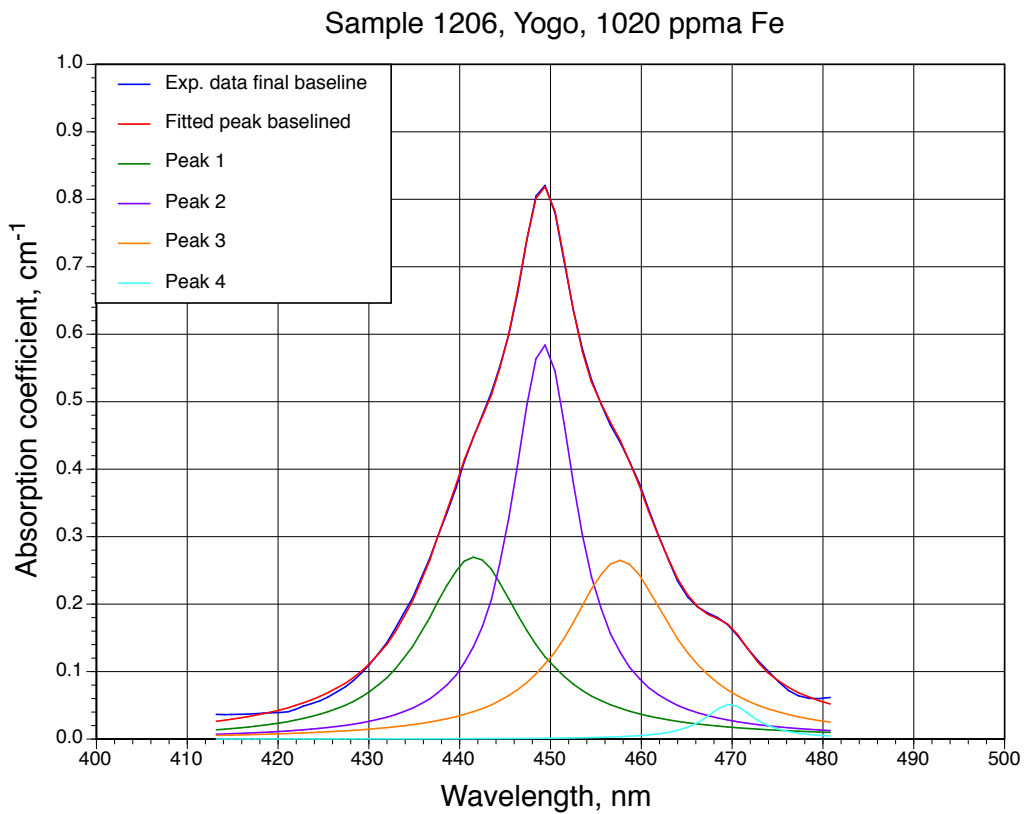
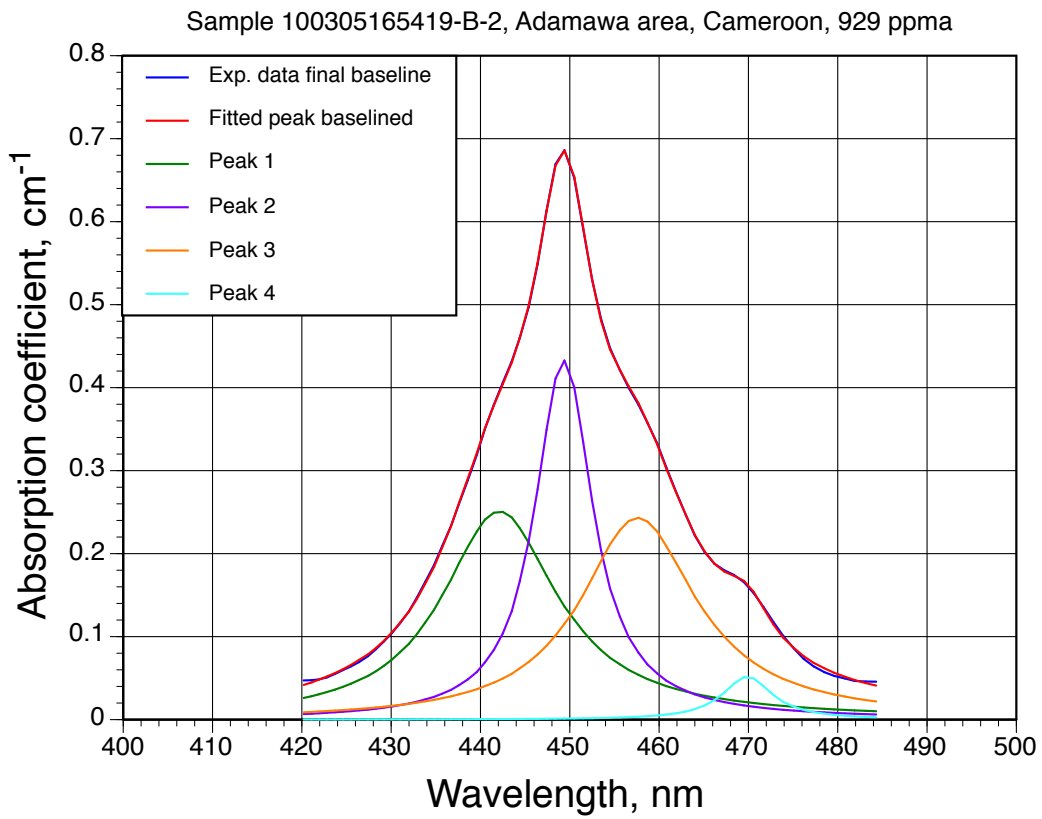


Sample 100305165420-A-4, Adamawa area, Cameroon, 802 ppma

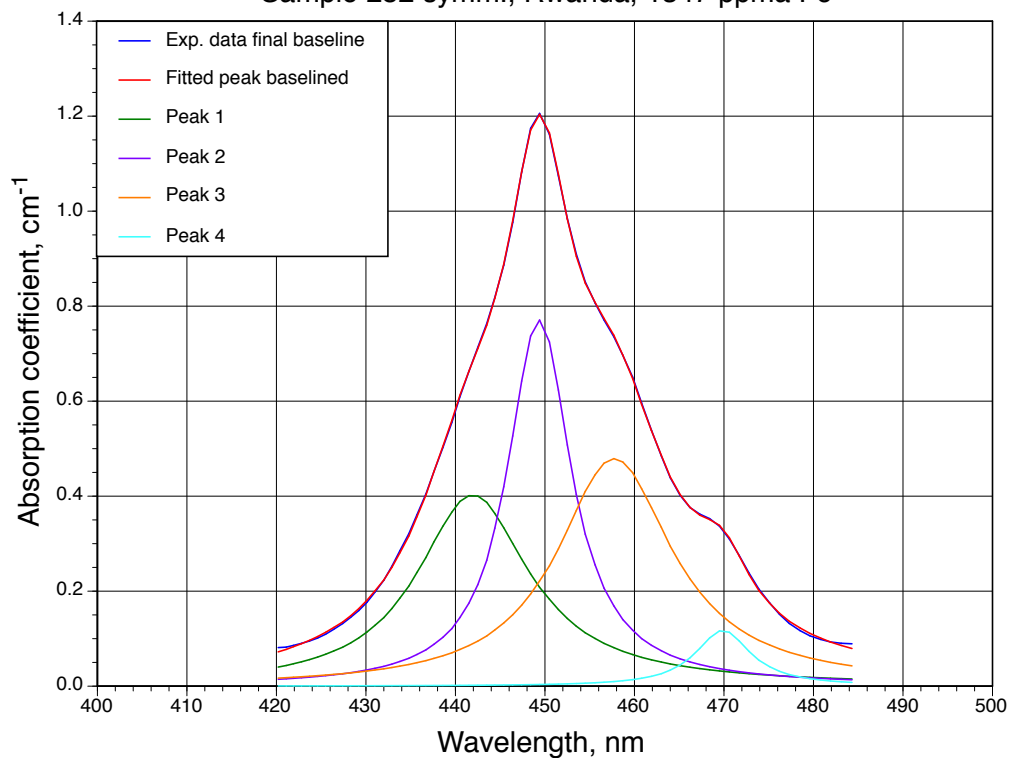


Sample 668919902-A-2, Pailin, Cambodia, 901 ppma Fe

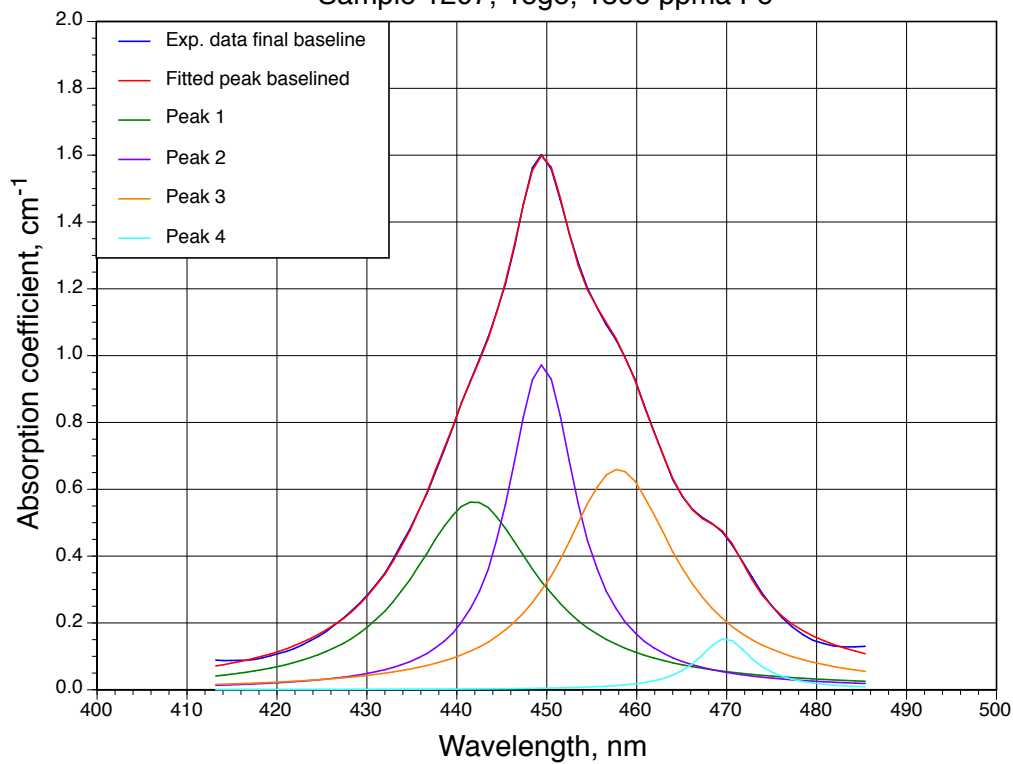




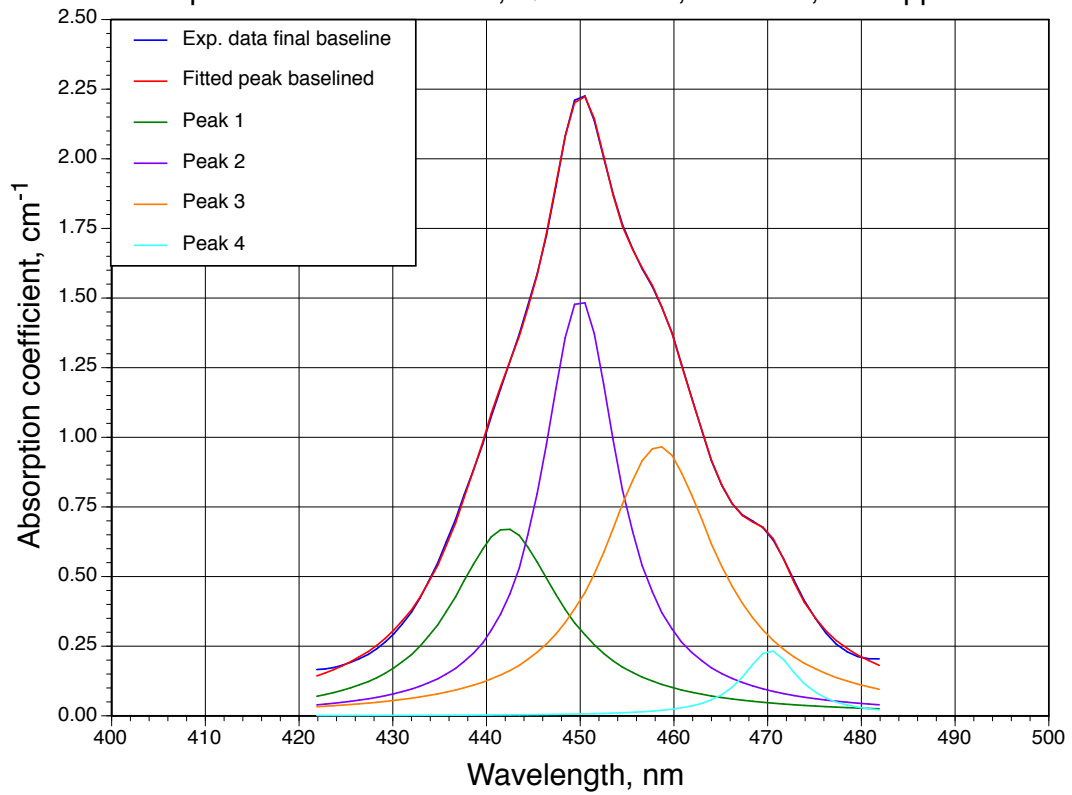
Sample 252 symm., Rwanda, 1347 ppma Fe



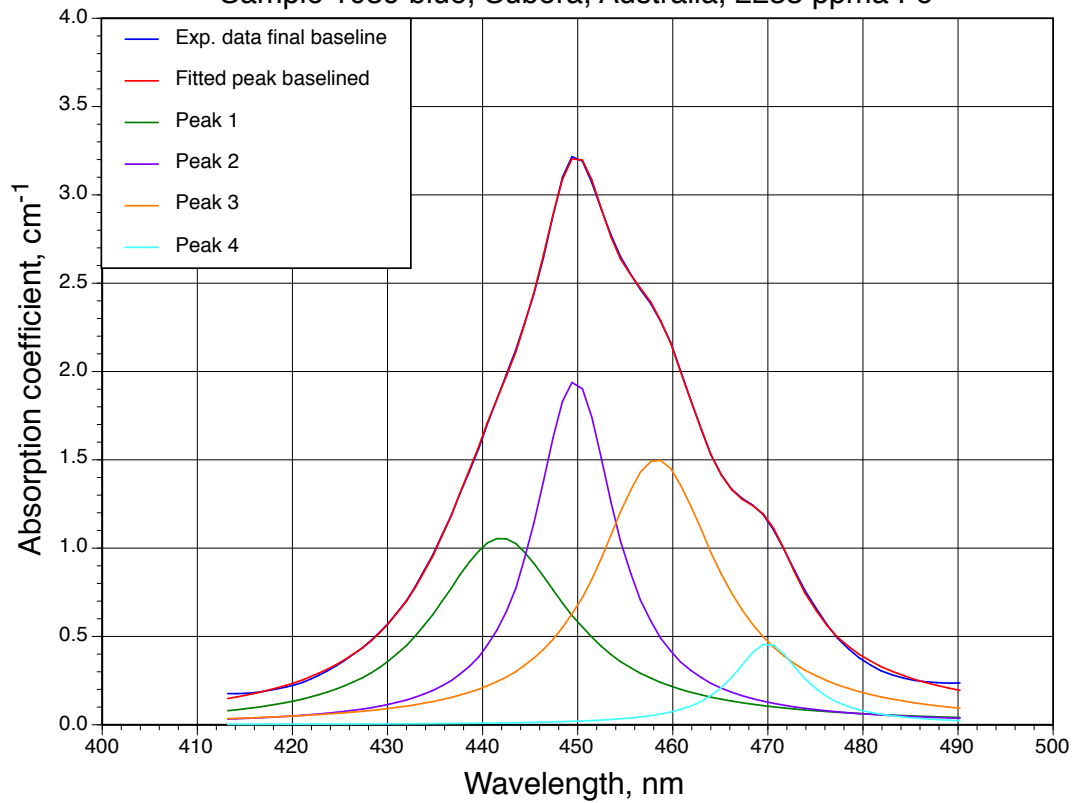
Sample 1207, Yogo, 1596 ppma Fe

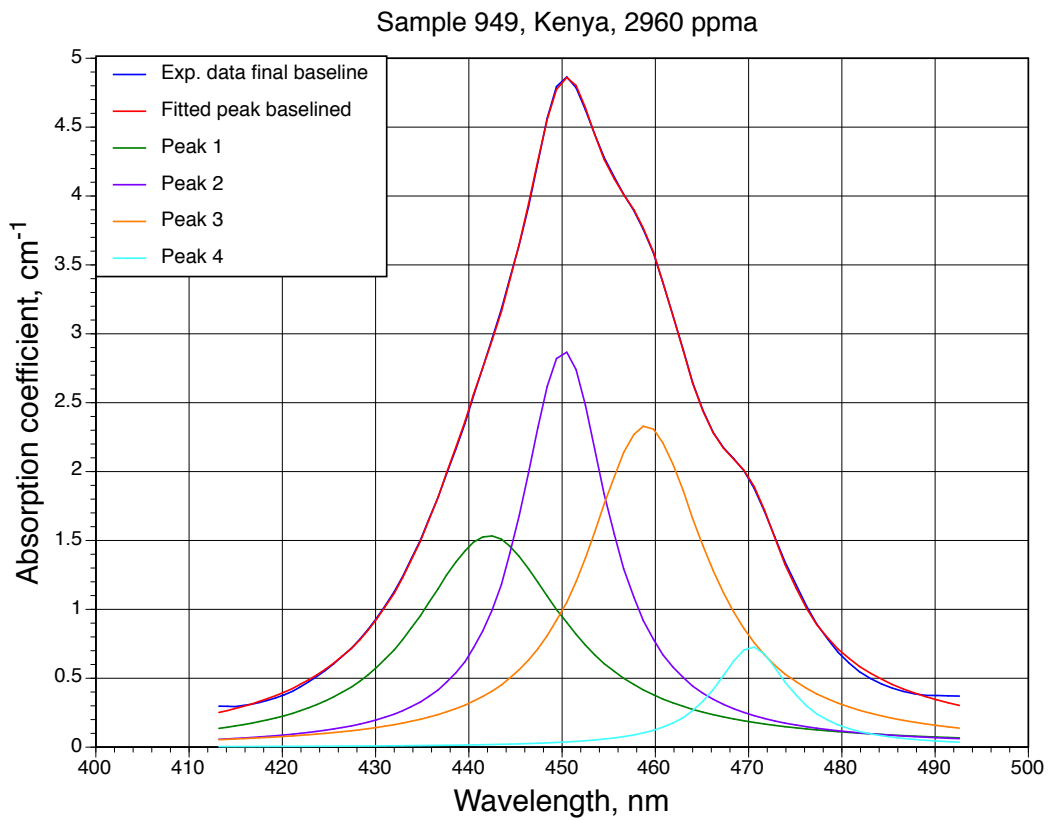
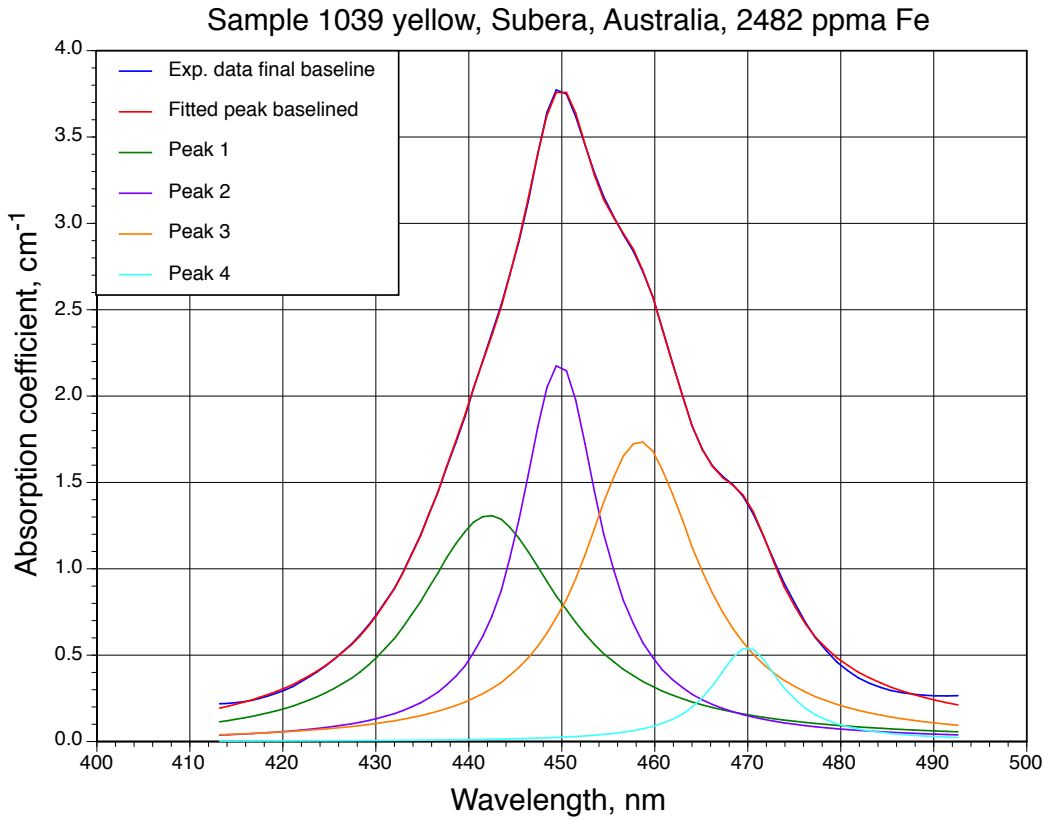


Sample 100318470898-A-2, Queensland, Australia, 1908 ppma Fe

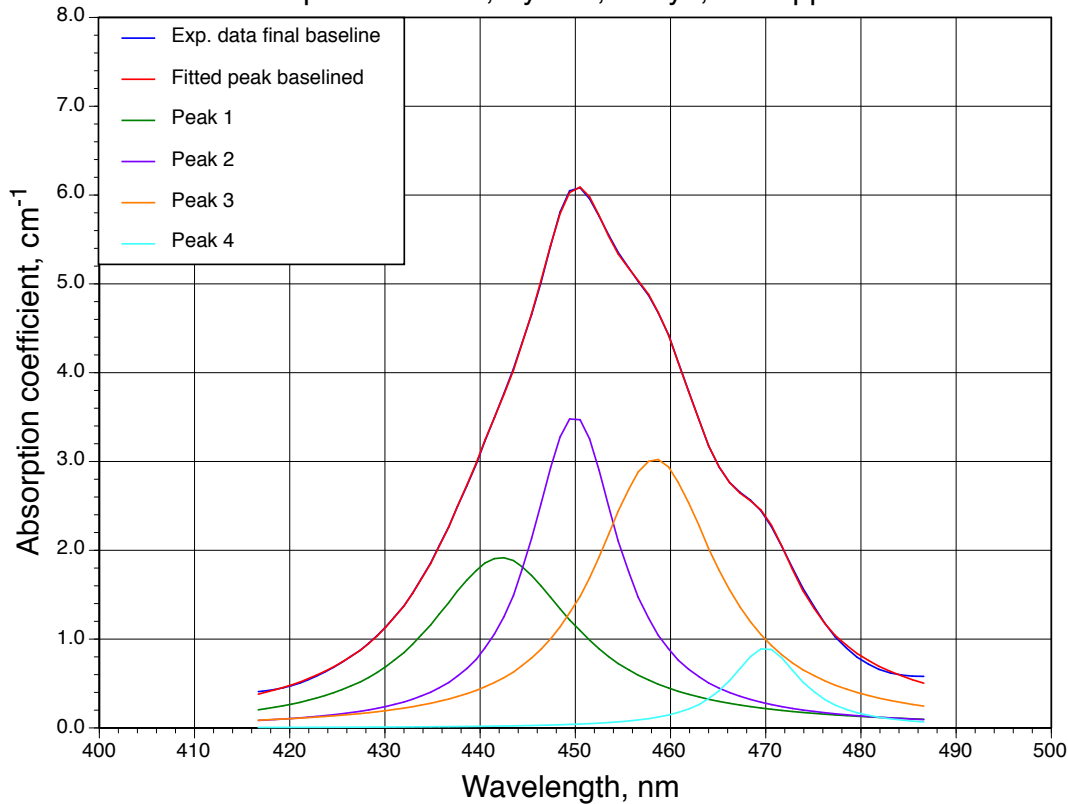


Sample 1039 blue, Subera, Australia, 2233 ppma Fe





Sample 1247 blue, Symm., Kenya, 3317 ppm Fe



Sample 100310677099-G-2, Chanthaburi, Thailand, 3800 ppm

