

Fe-oxyhydroxide deposits at Semenov Hydrothermal Field (13°30'N), Mid-Atlantic Ridge:
insights into formation, modification and resource potential

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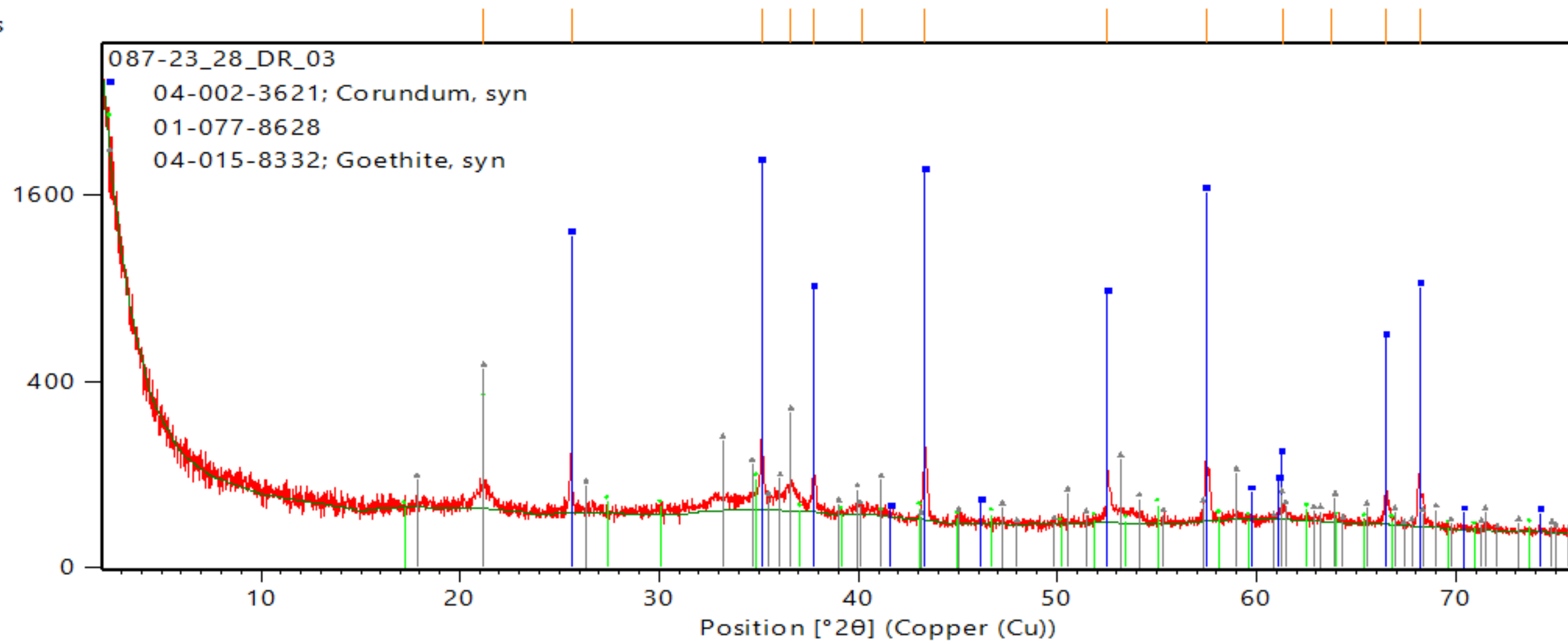
²National Oceanography Centre, Southampton, UK,

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Electronic supplementary materials 3 - XRD results

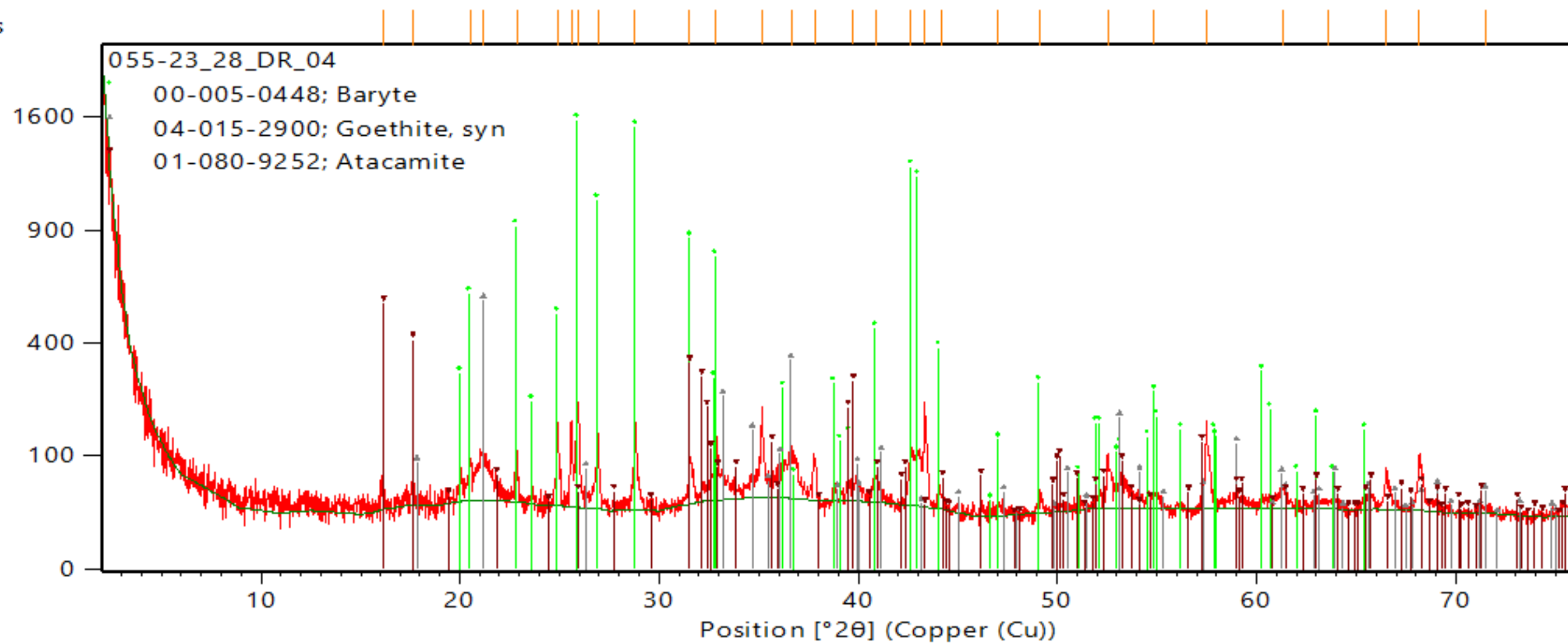
Counts



Residue + Peak List

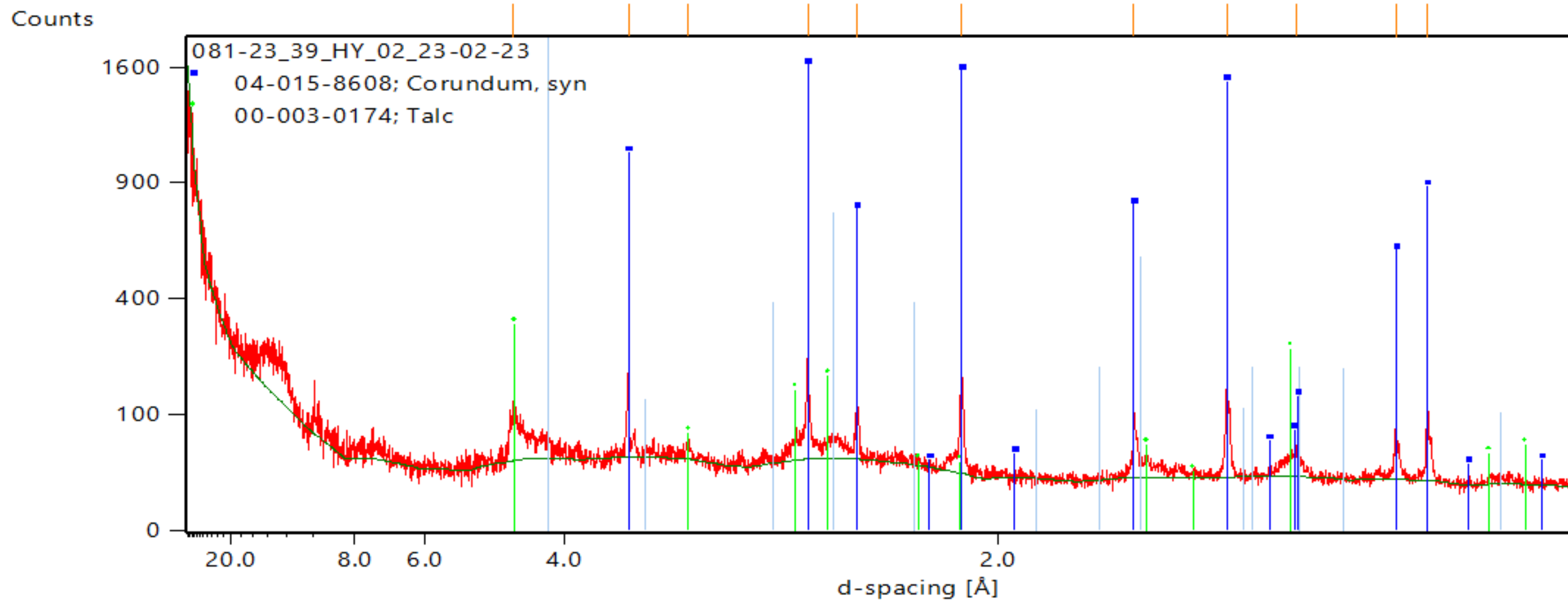
Accepted Patterns

Counts



Residue + Peak List

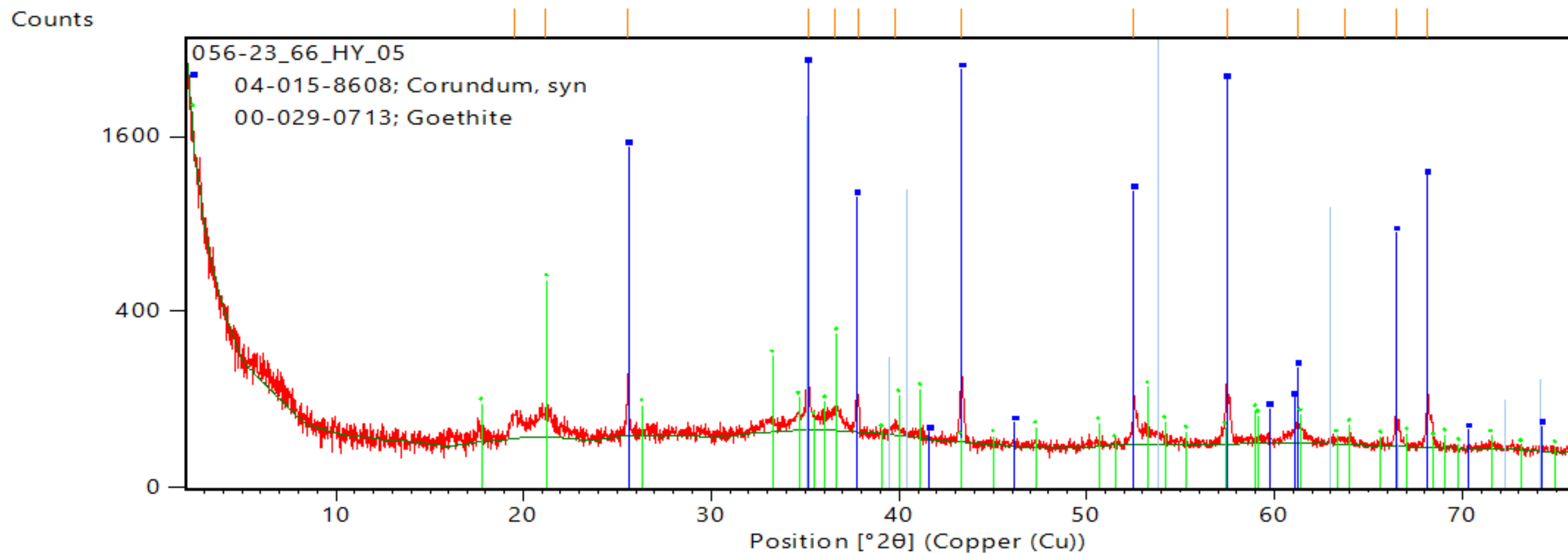
Accepted Patterns



Selected Pattern: Iron Oxide Hydroxide 00-003-0251

Residue + Peak List

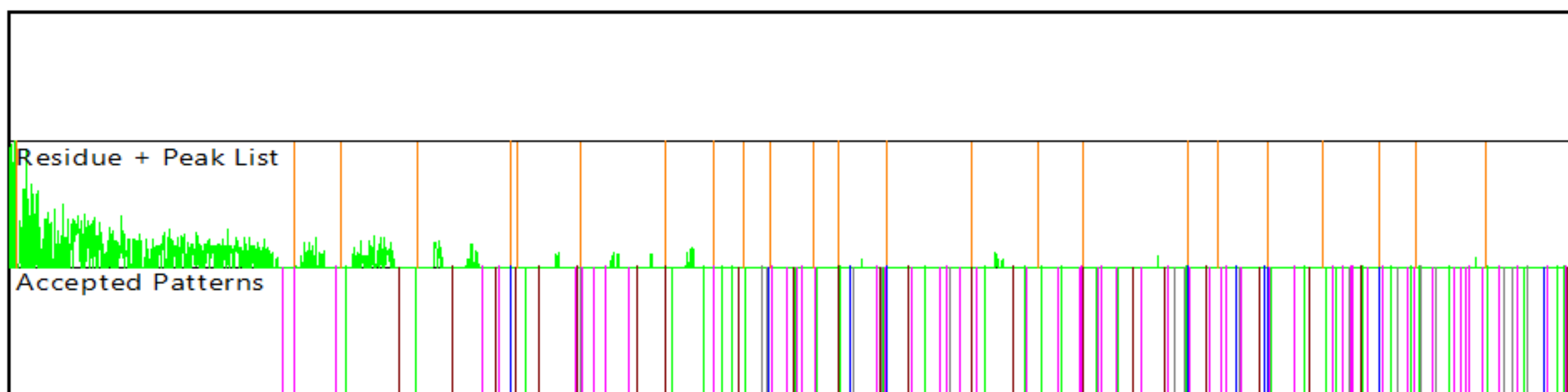
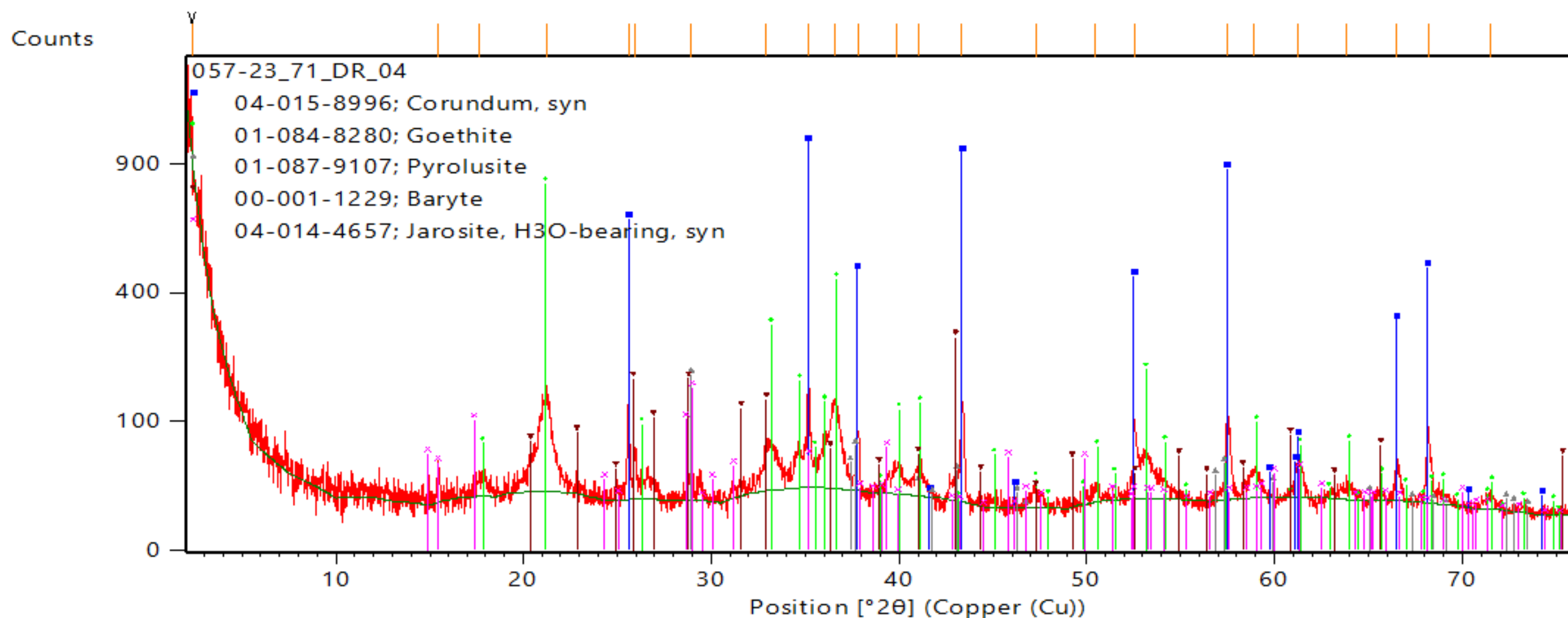
Accepted Patterns

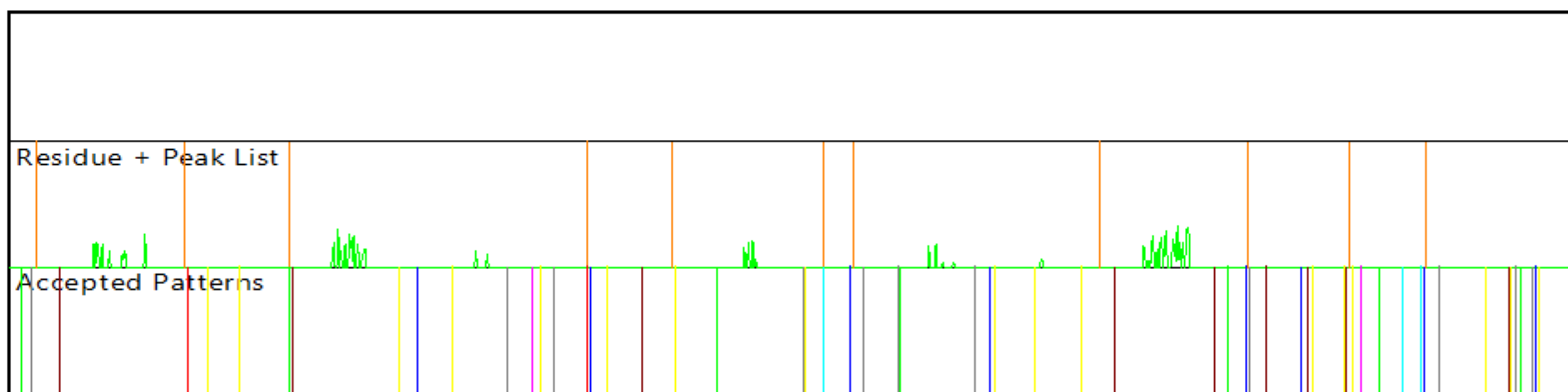
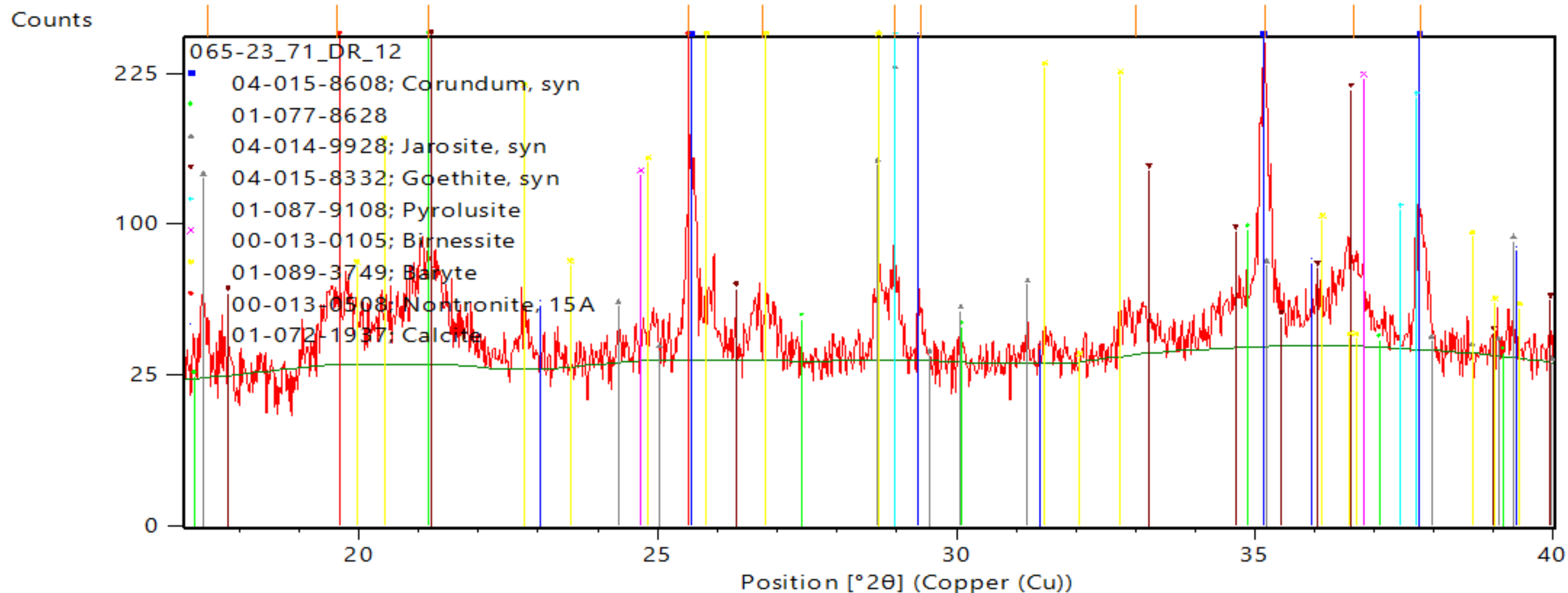


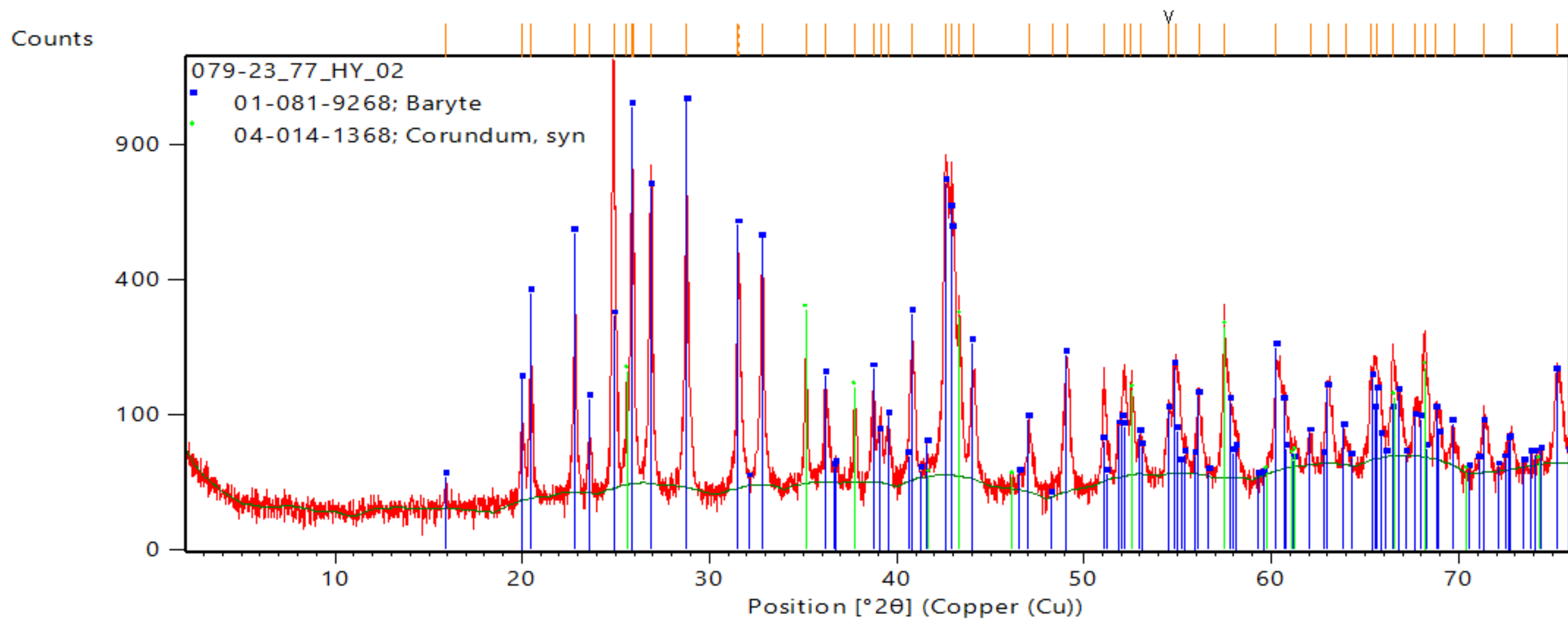
Selected Pattern: Iron Oxide Hydroxide 01-077-0247

Residue + Peak List

Accepted Patterns



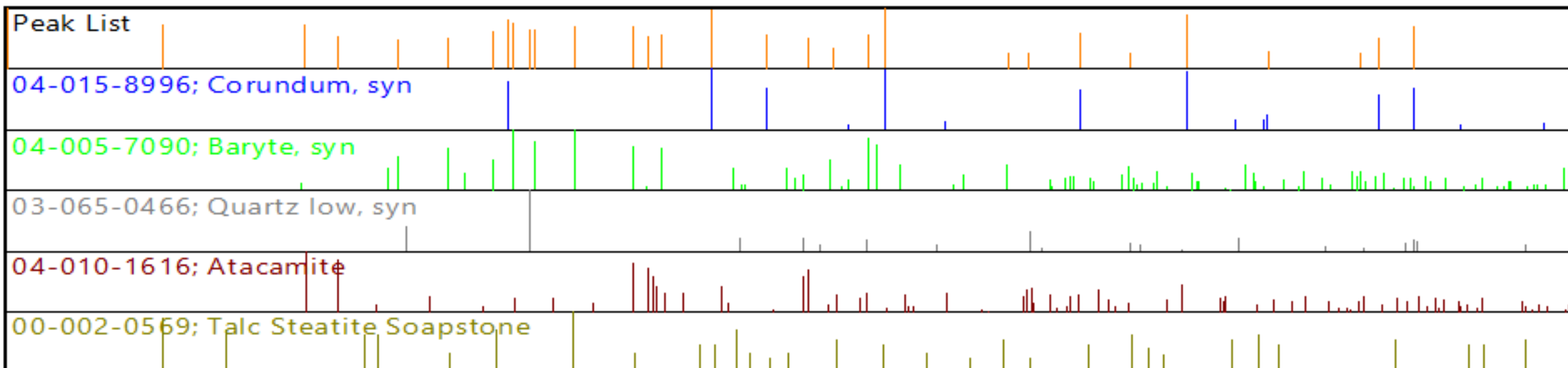
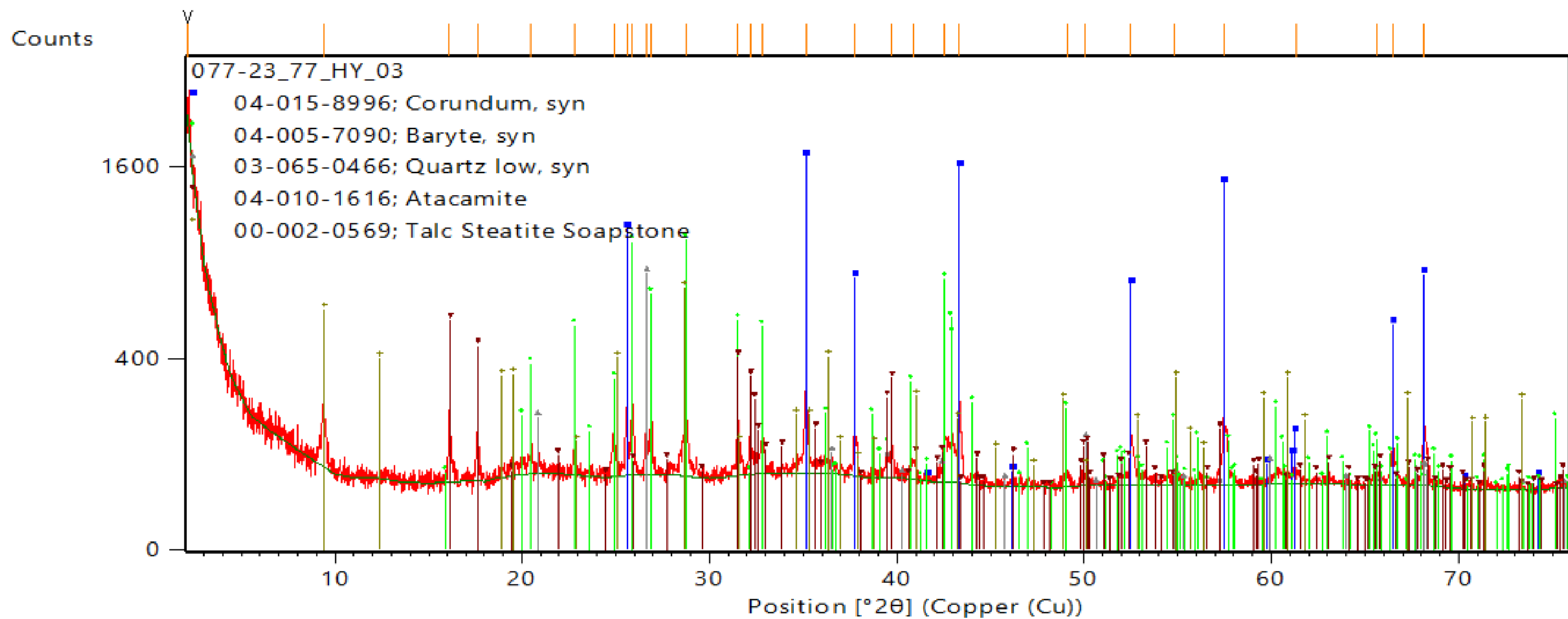




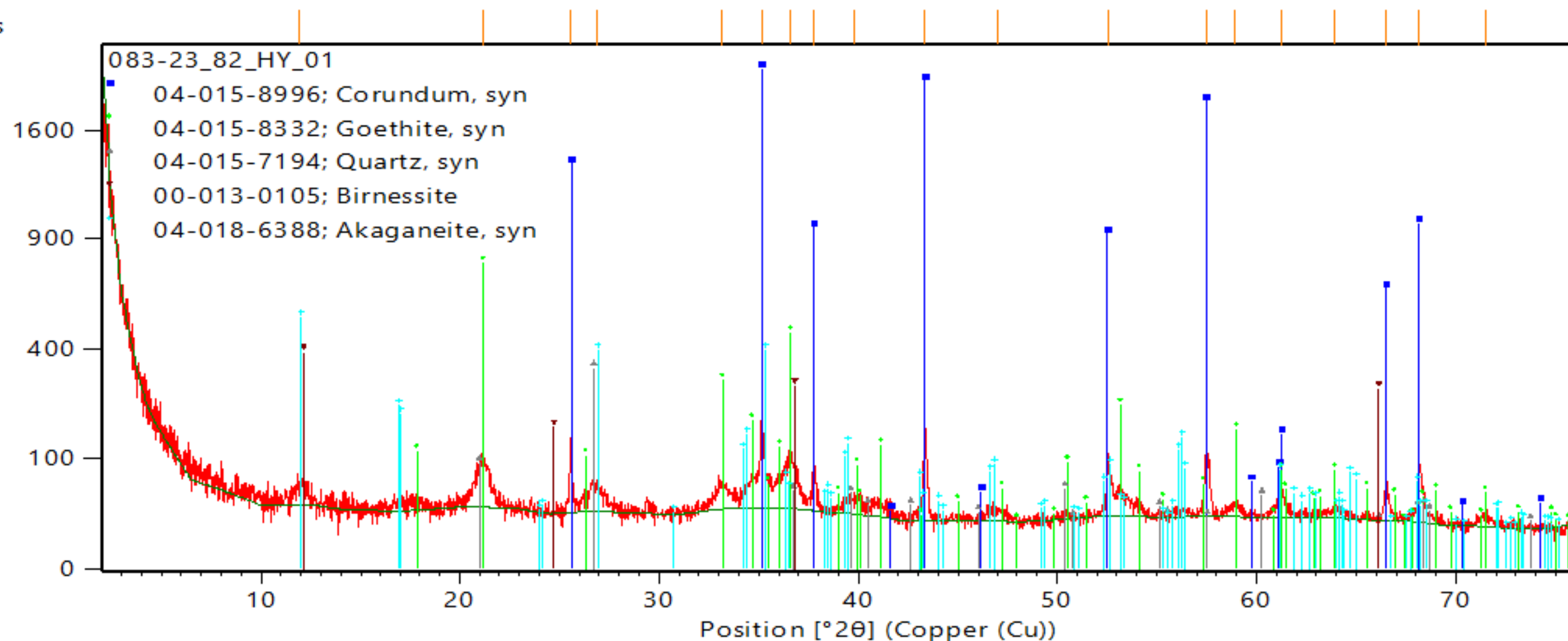
Peak List

01-081-9268; Baryte

04-014-1368; Corundum, syn



Counts



Peak List

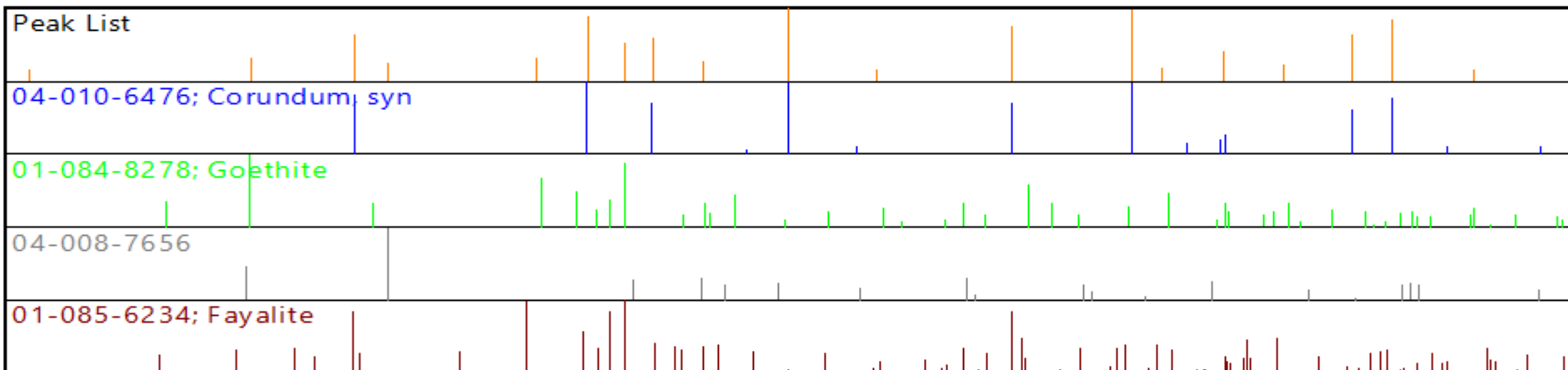
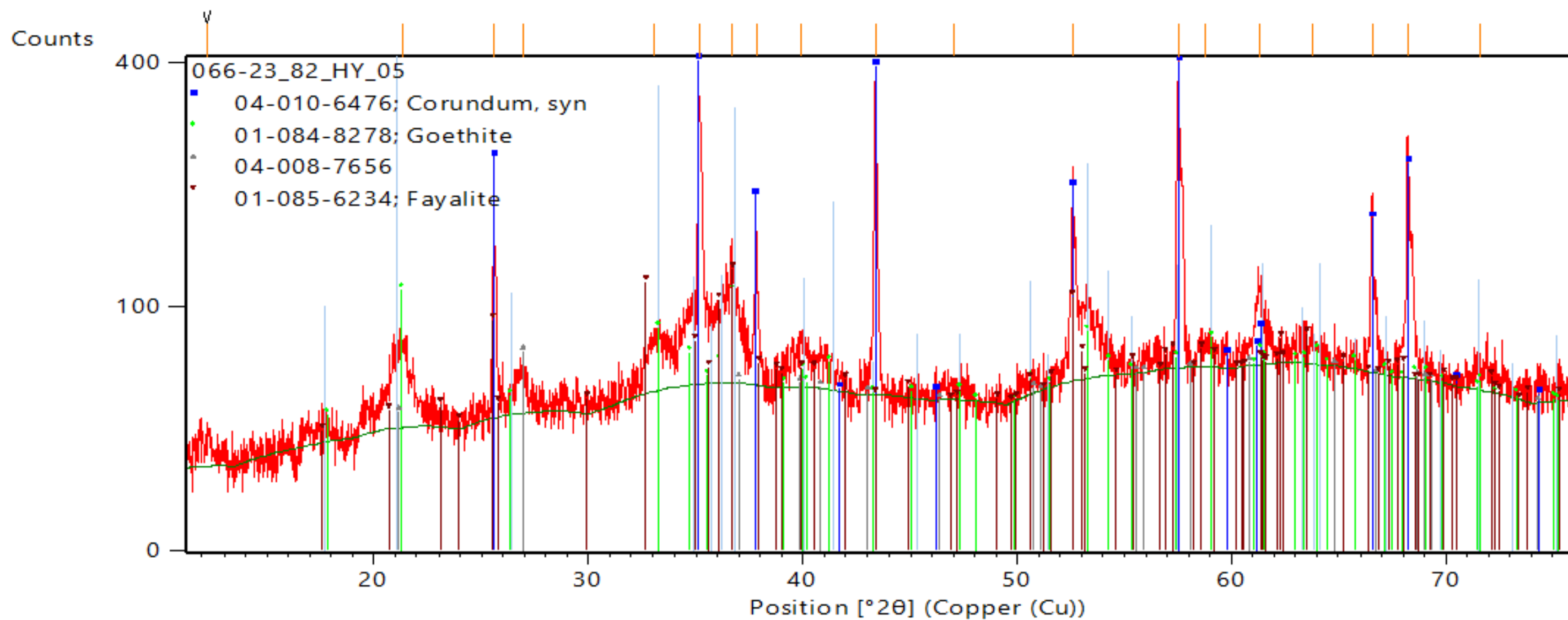
04-015-8996; Corundum, syn

04-015-8332; Goethite, syn

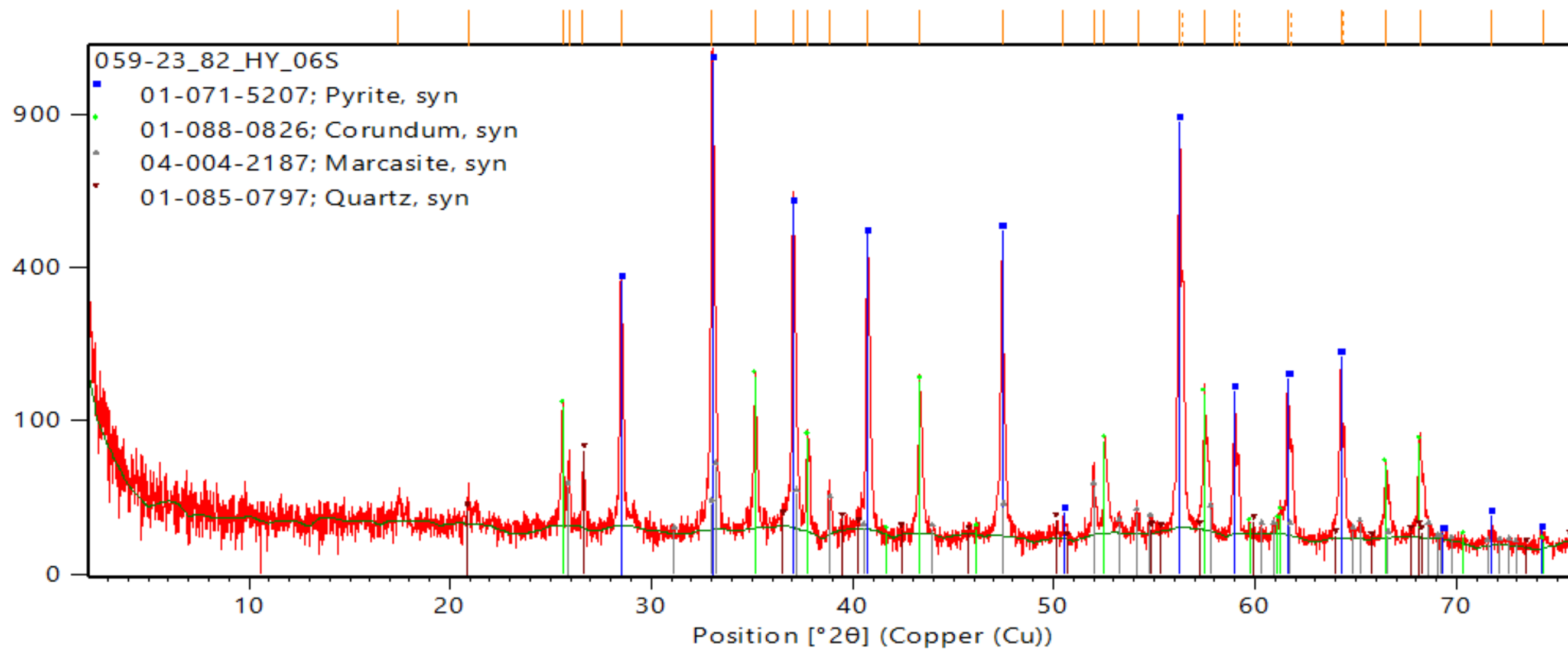
04-015-7194; Quartz, syn

00-013-0105; Birnessite

04-018-6388; Akaganeite, syn



Counts



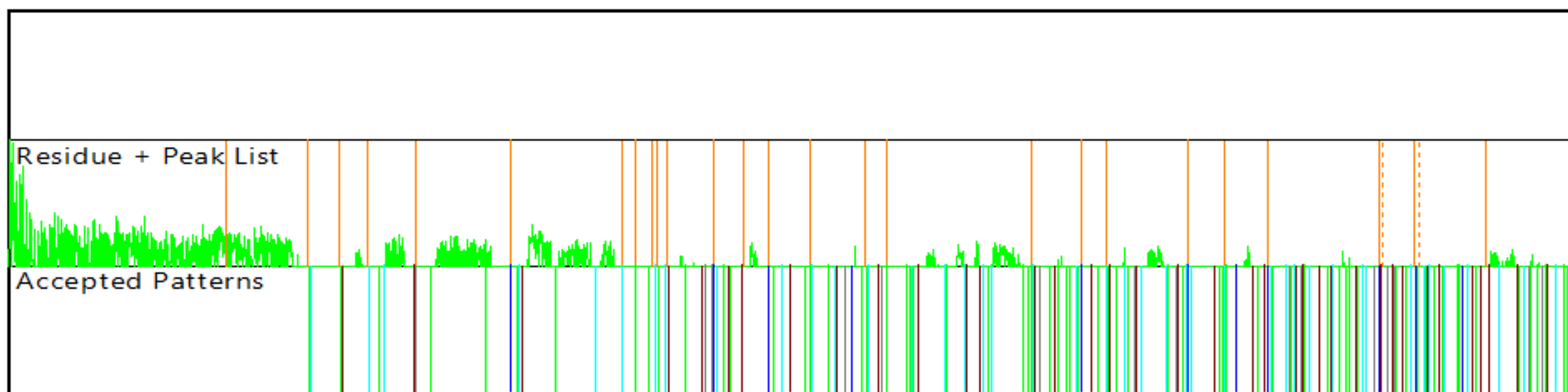
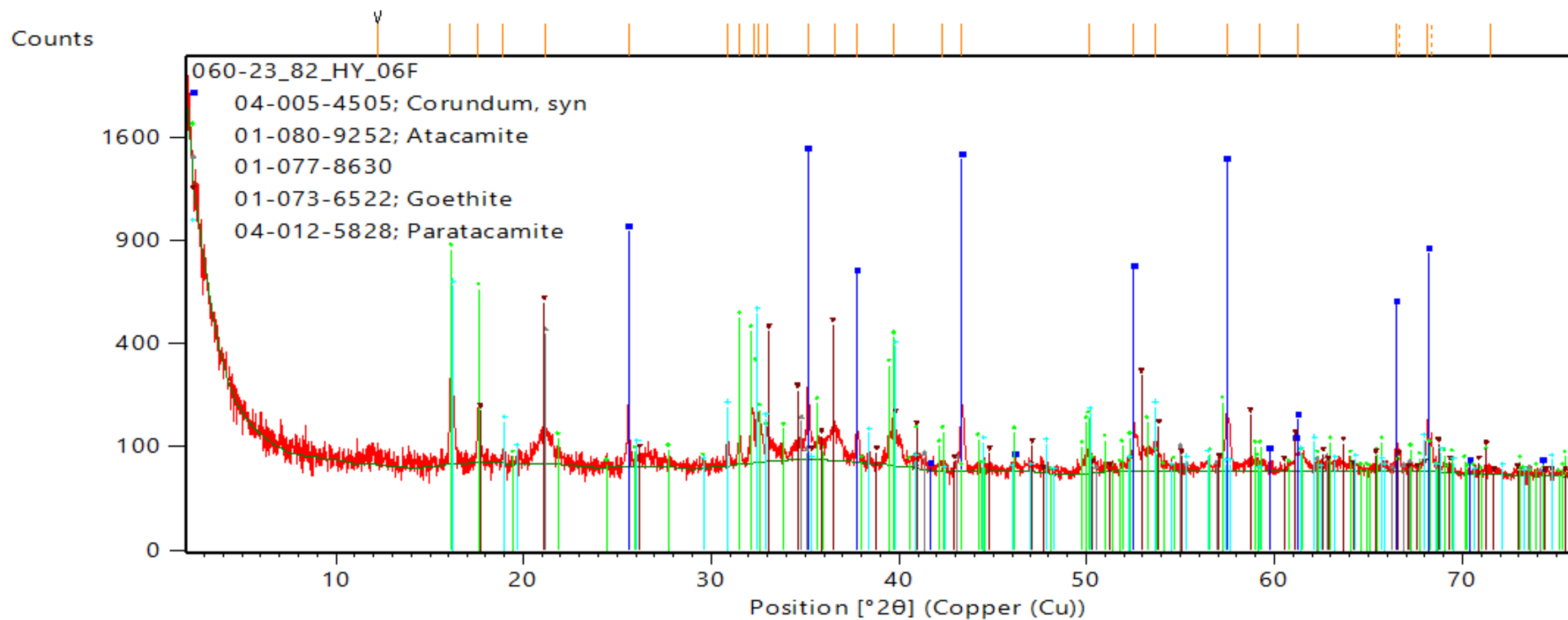
Peak List

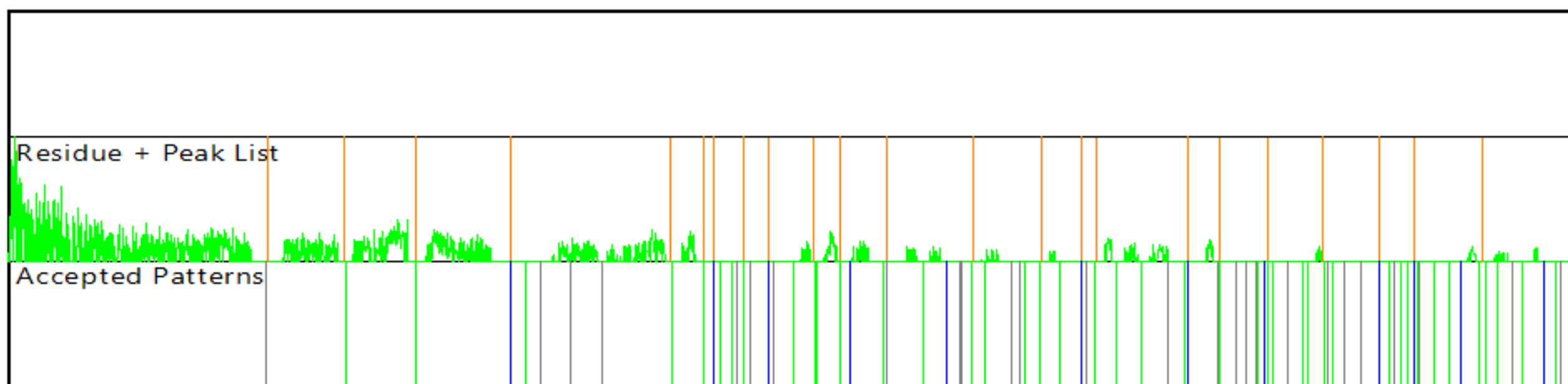
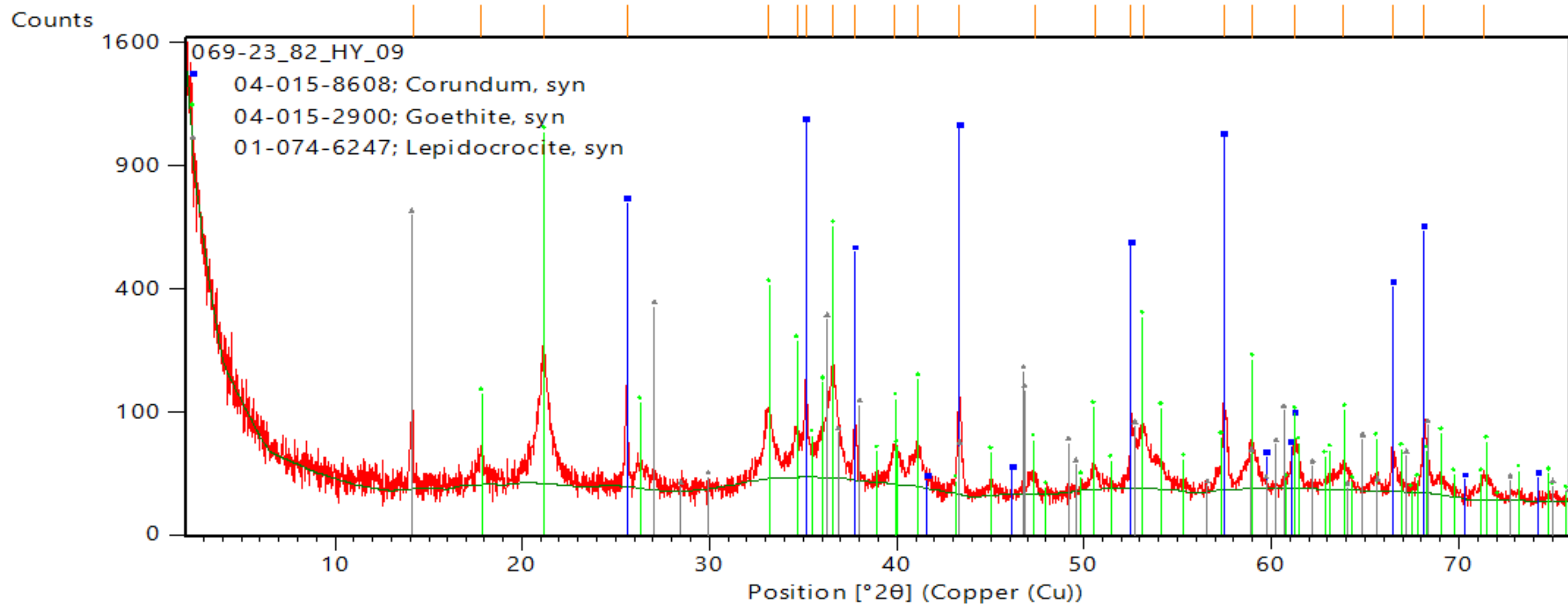
01-071-5207; Pyrite, syn

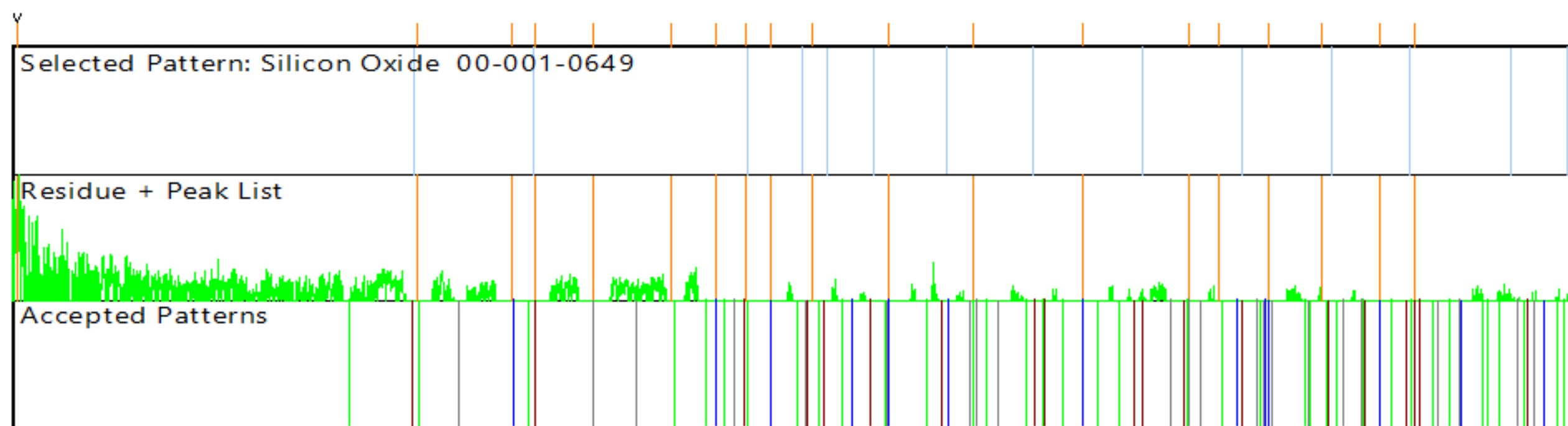
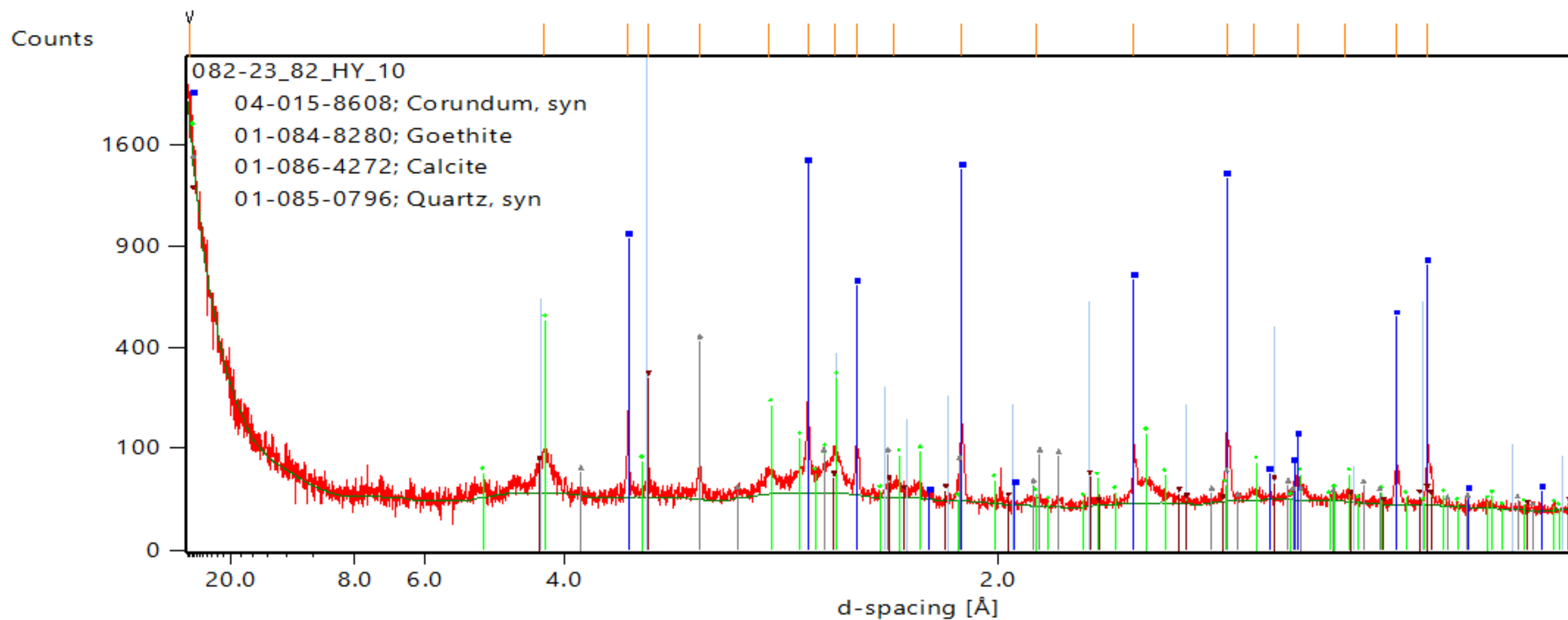
01-088-0826; Corundum, syn

04-004-2187; Marcasite, syn

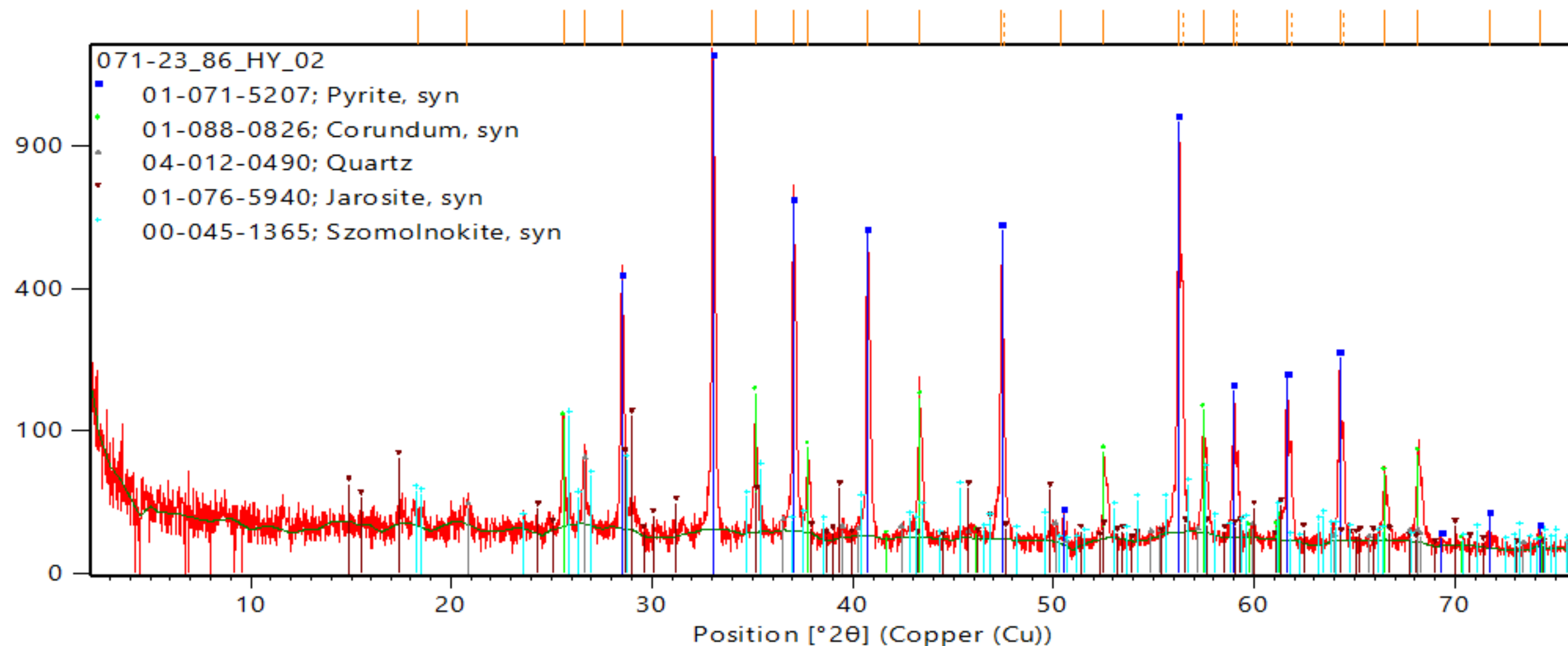
01-085-0797; Quartz, syn







Counts



Peak List

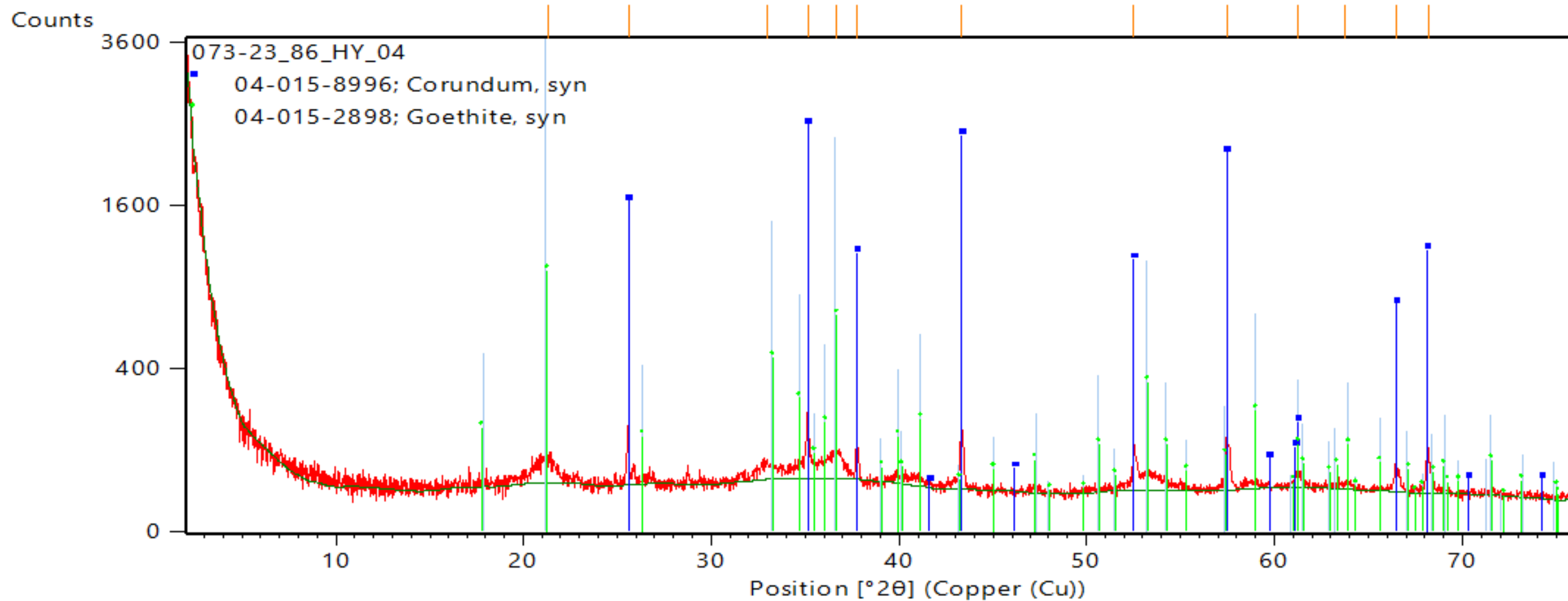
01-071-5207; Pyrite, syn

01-088-0826; Corundum, syn

04-012-0490; Quartz

01-076-5940; Jarosite, syn

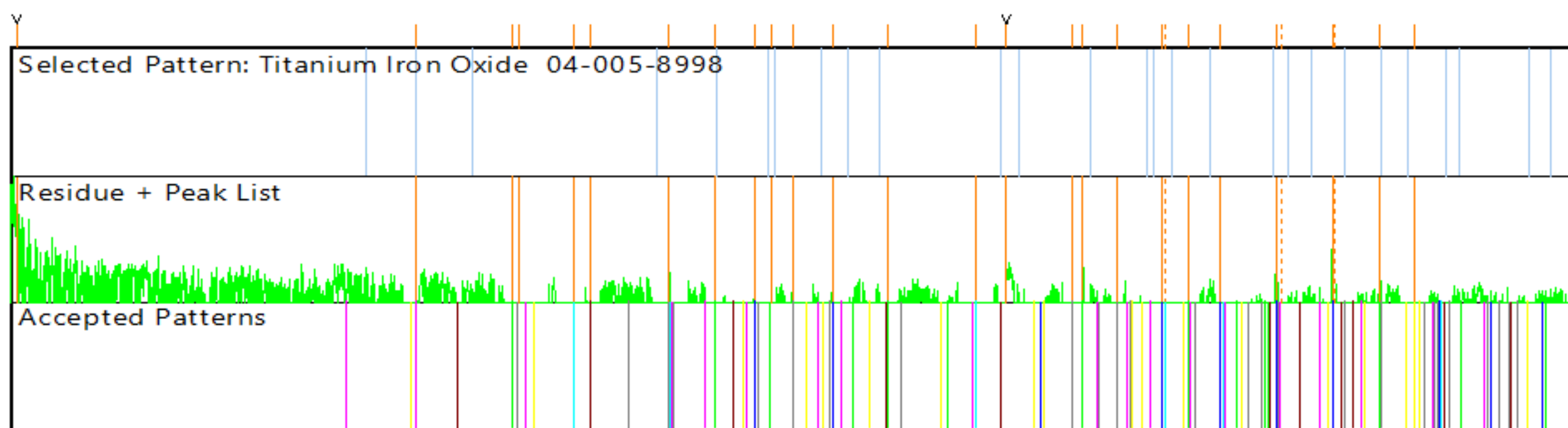
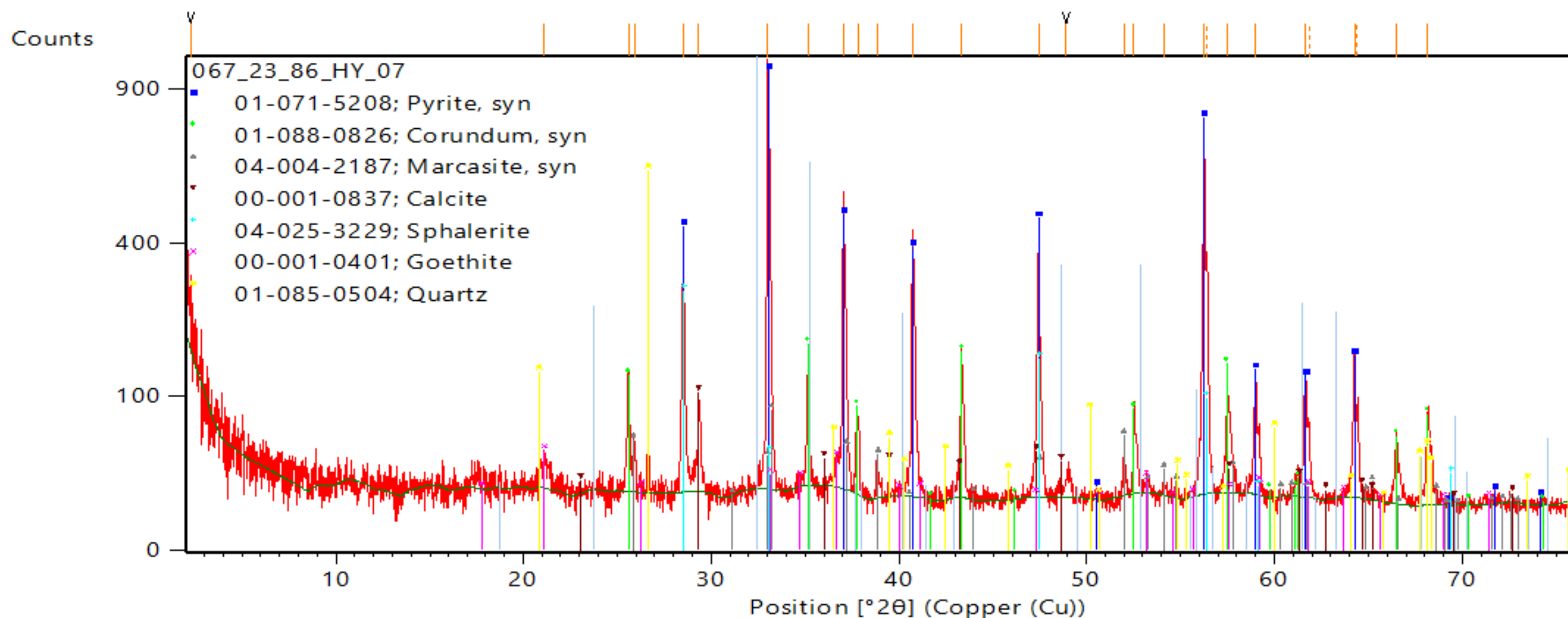
00-045-1365; Szomolnokite, syn

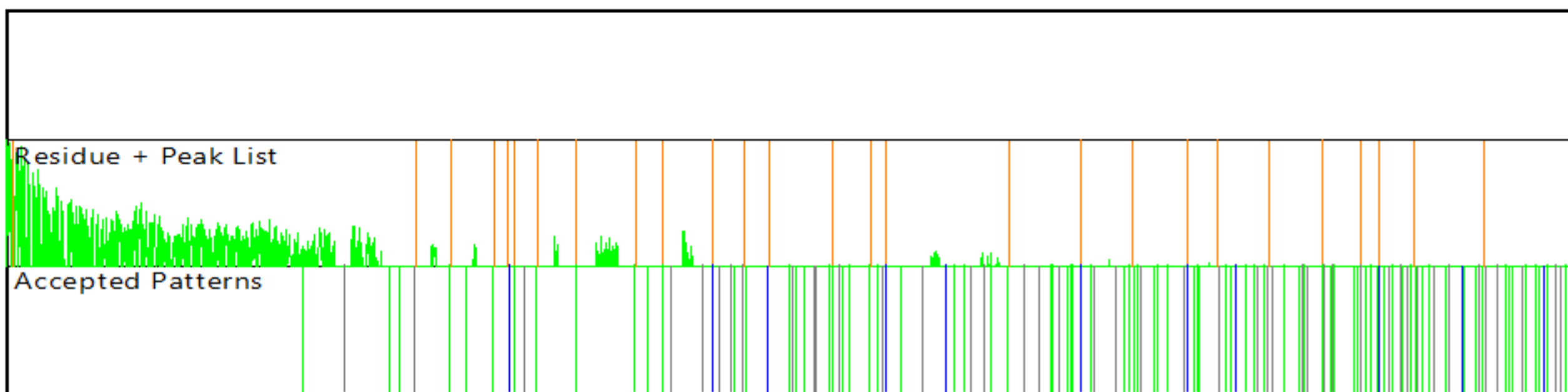
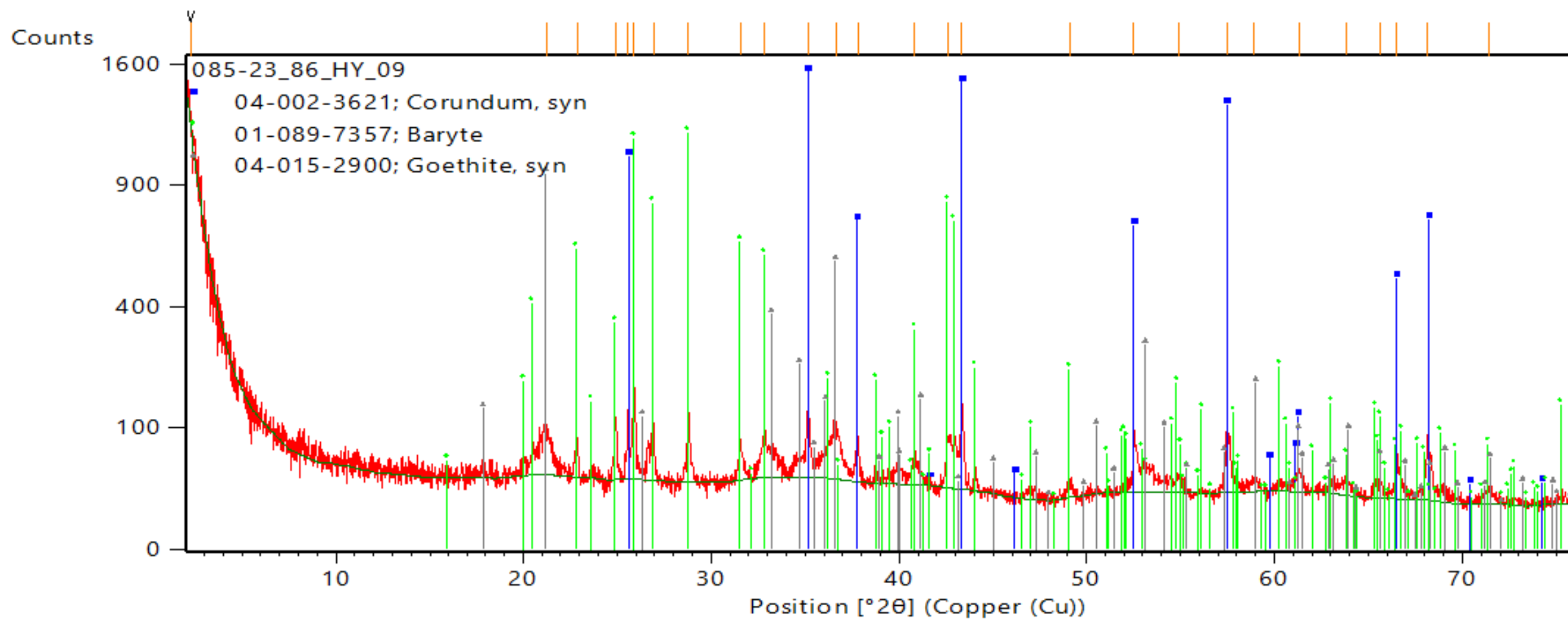


Selected Pattern: Iron Oxide Hydroxide 04-015-2899

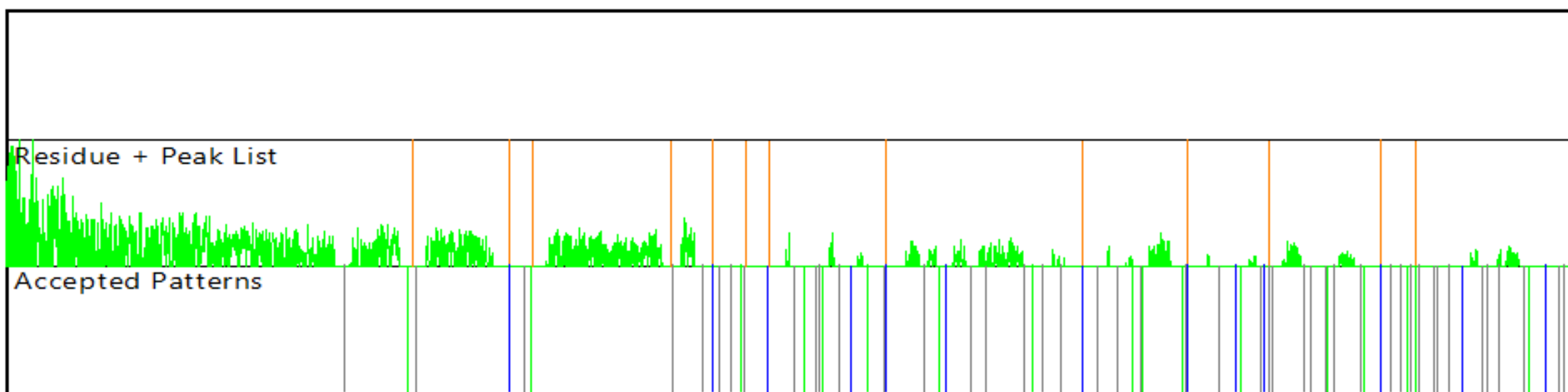
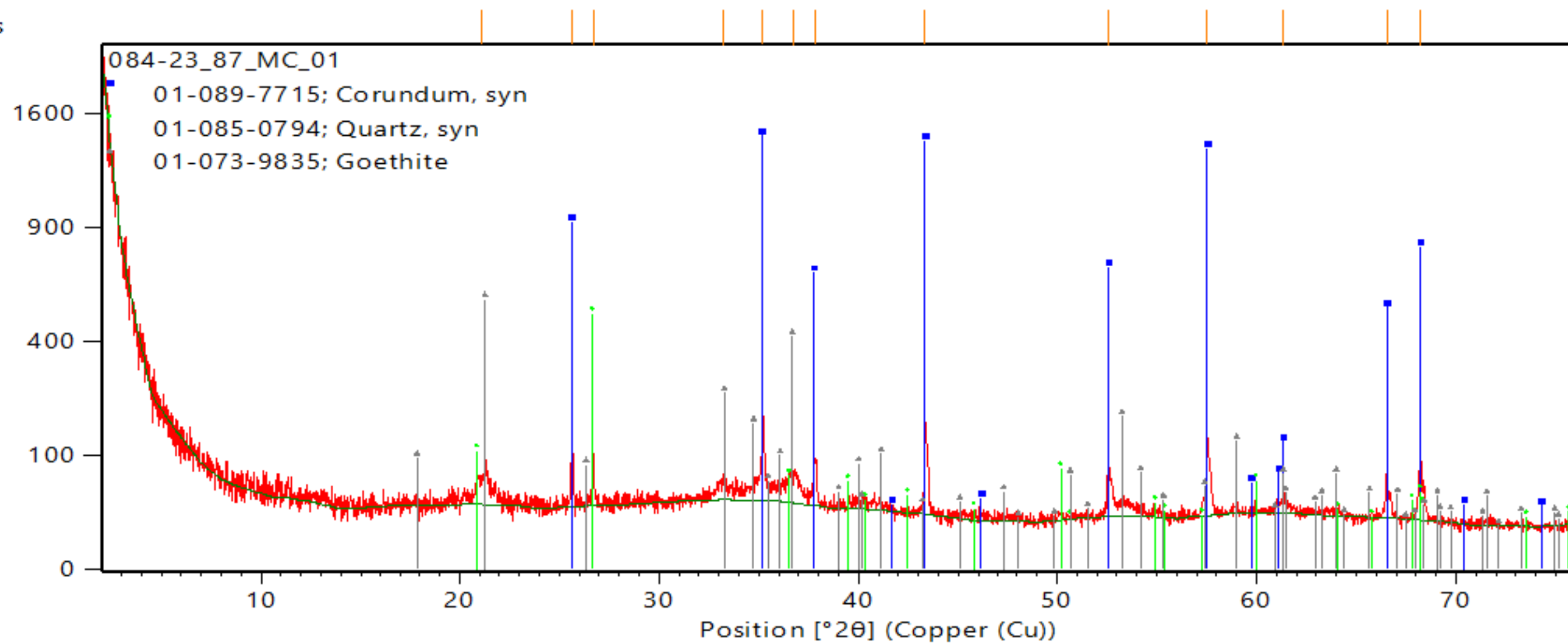
Residue + Peak List

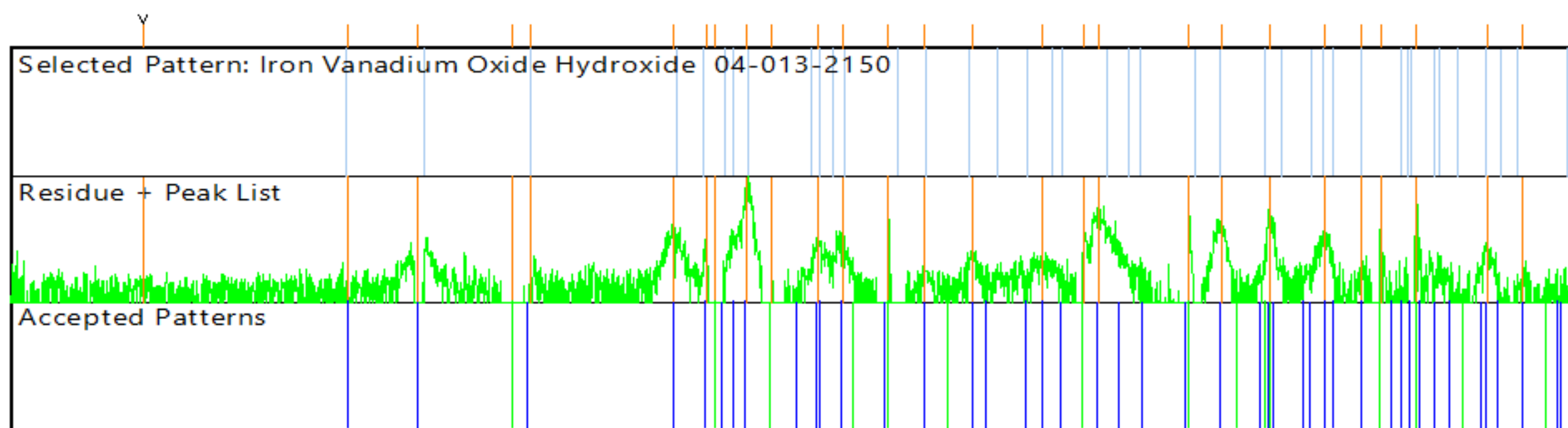
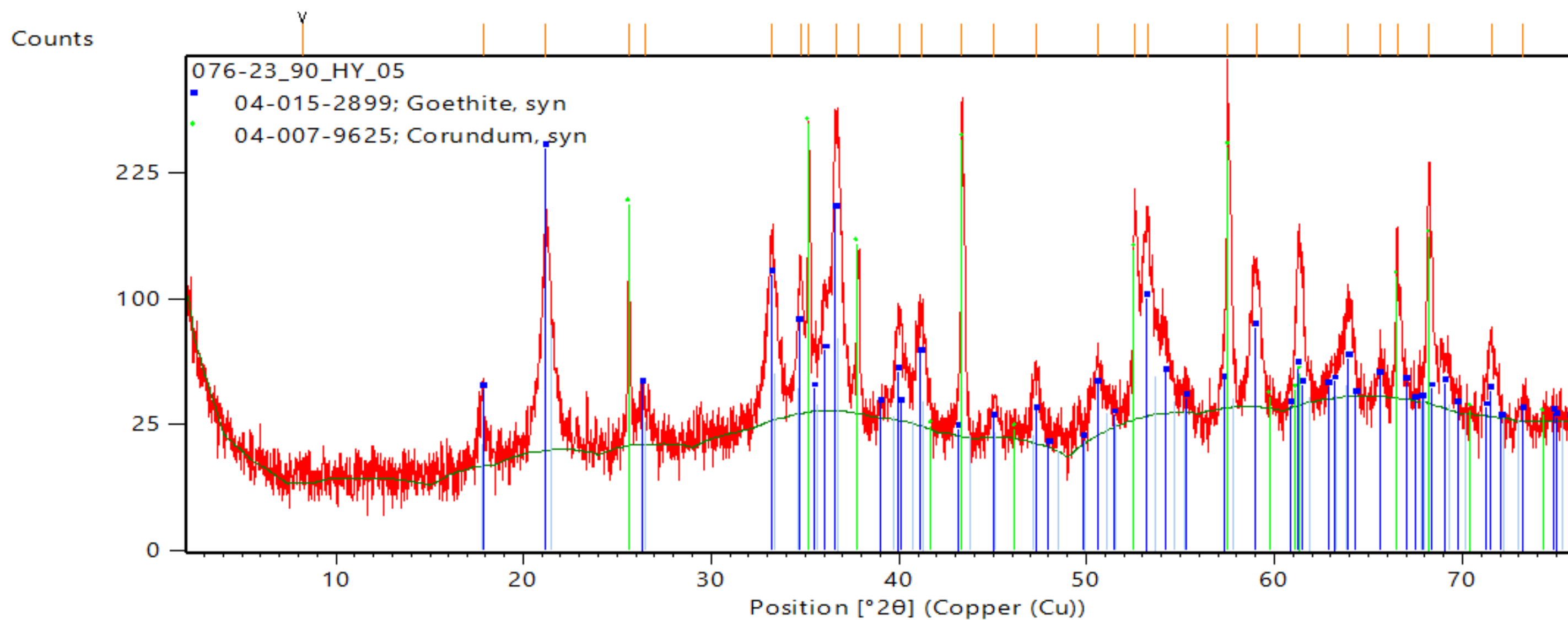
Accepted Patterns

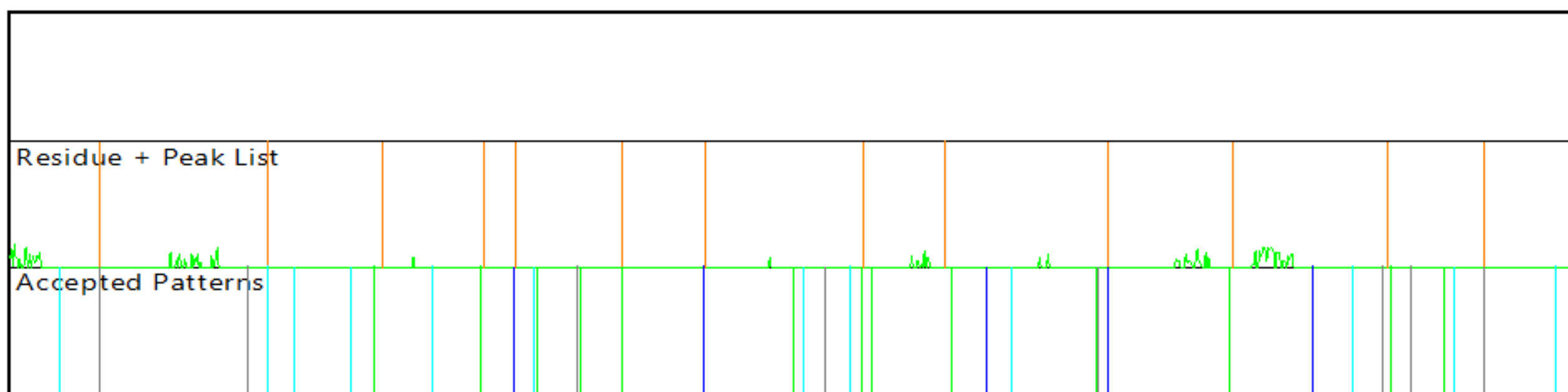
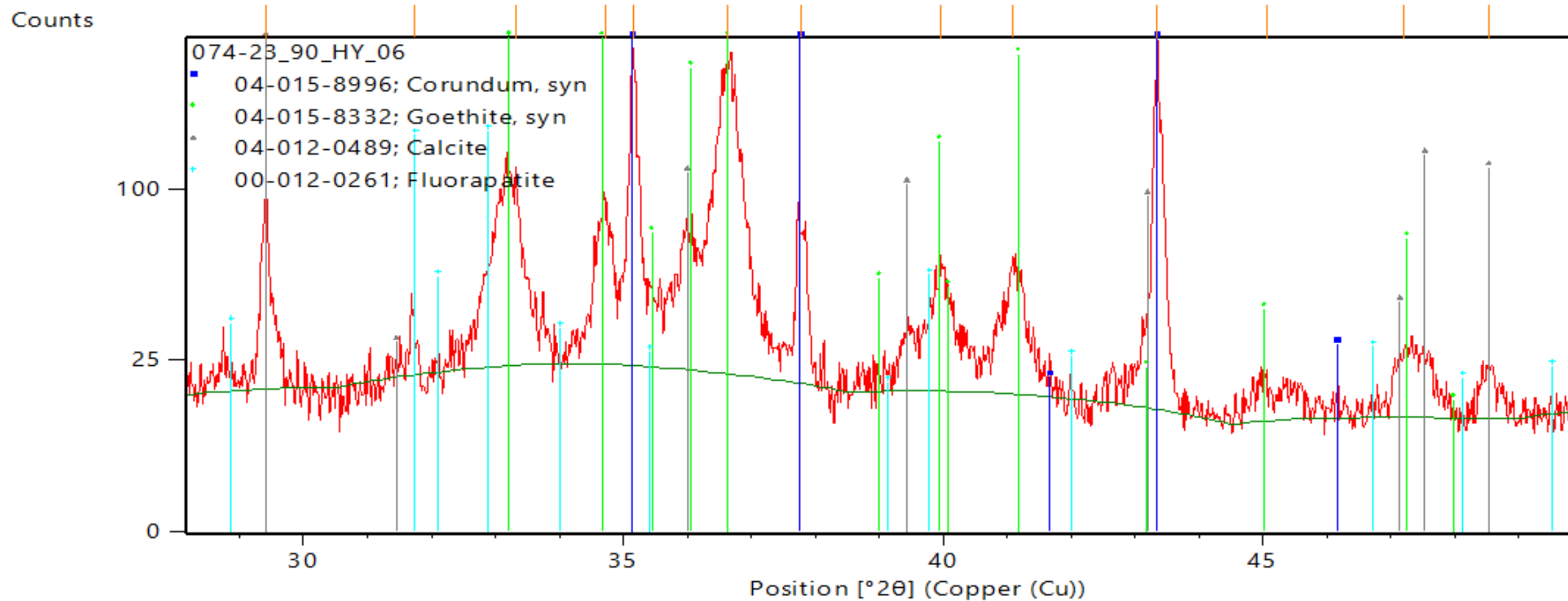




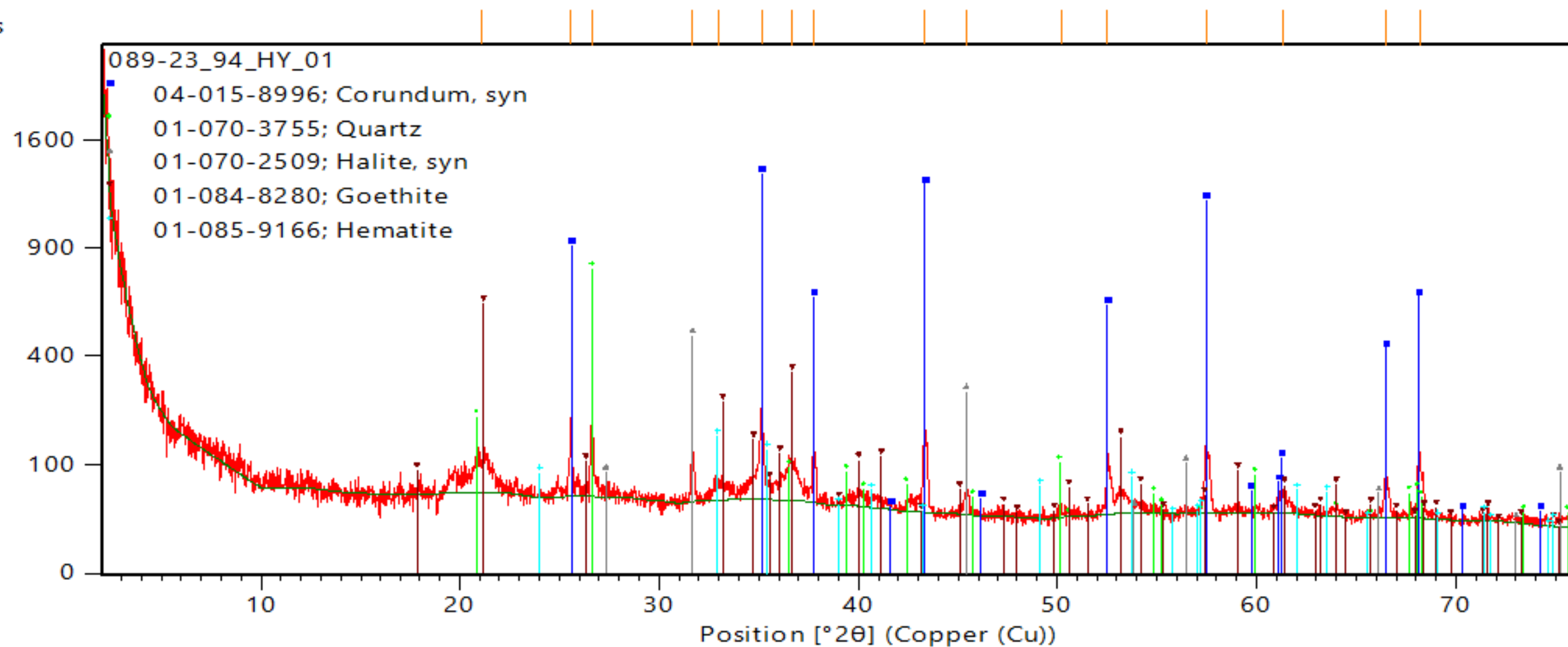
Counts







Counts



Peak List

04-015-8996; Corundum, syn

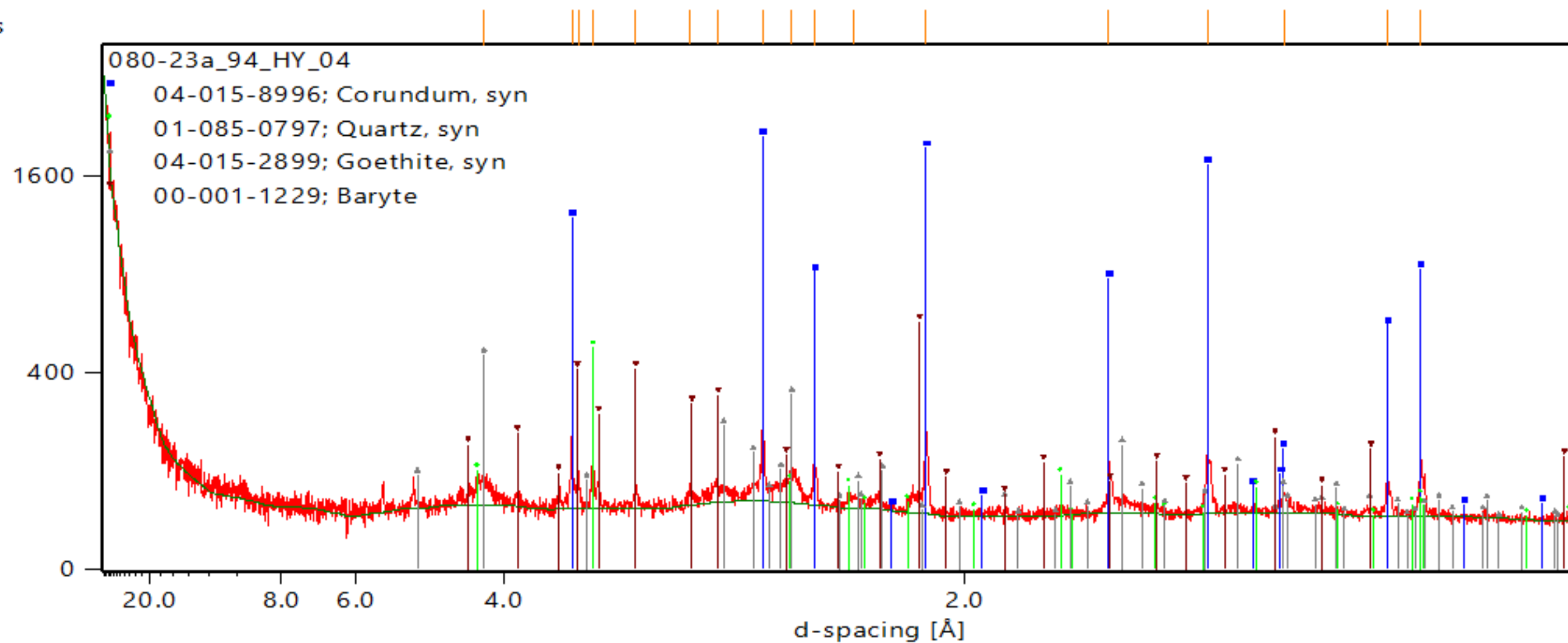
01-070-3755; Quartz

01-070-2509; Halite, syn

01-084-8280; Goethite

01-085-9166; Hematite

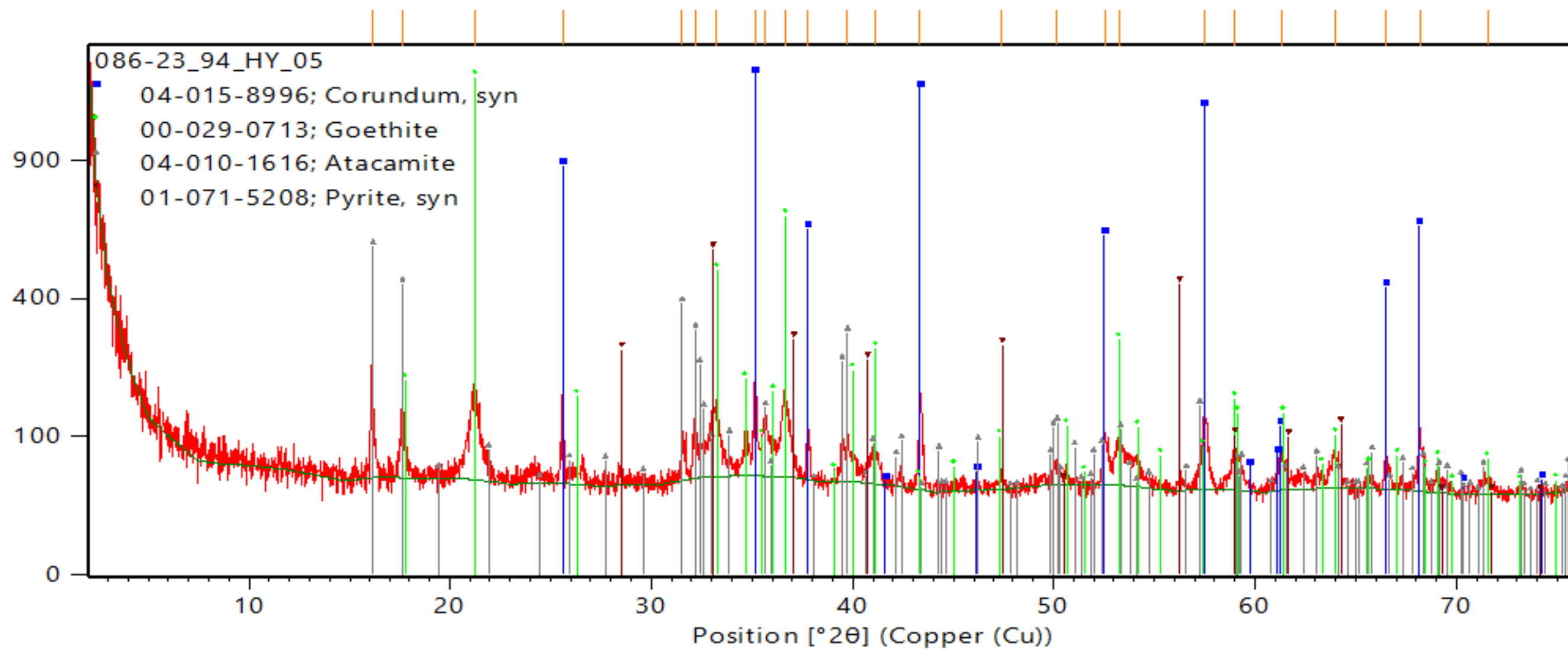
Counts



Residue + Peak List

Accepted Patterns

Counts



Peak List

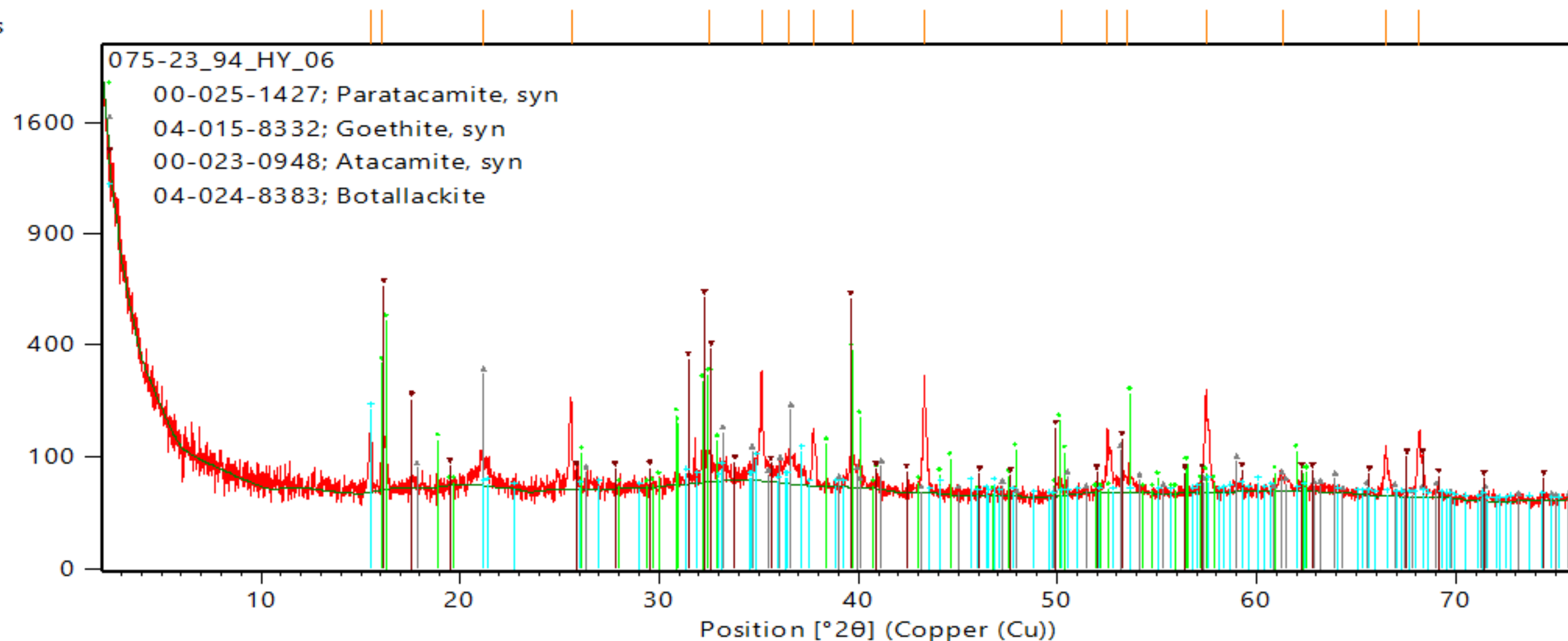
04-015-8996; Corundum, syn

00-029-0713; Goethite

04-010-1616; Atacamite

01-071-5208; Pyrite, syn

Counts



Peak List

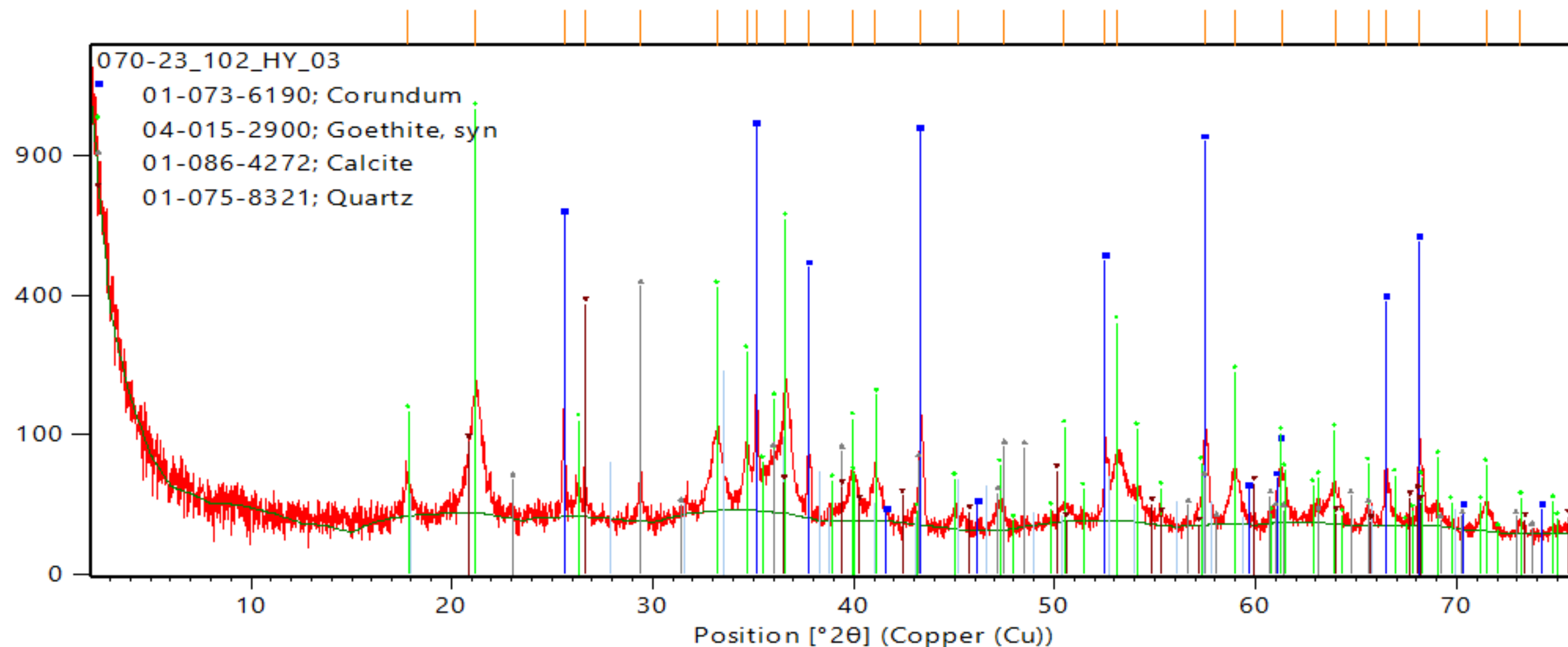
00-025-1427; Paratacamite, syn

04-015-8332; Goethite, syn

00-023-0948; Atacamite, syn

04-024-8383; Botallackite

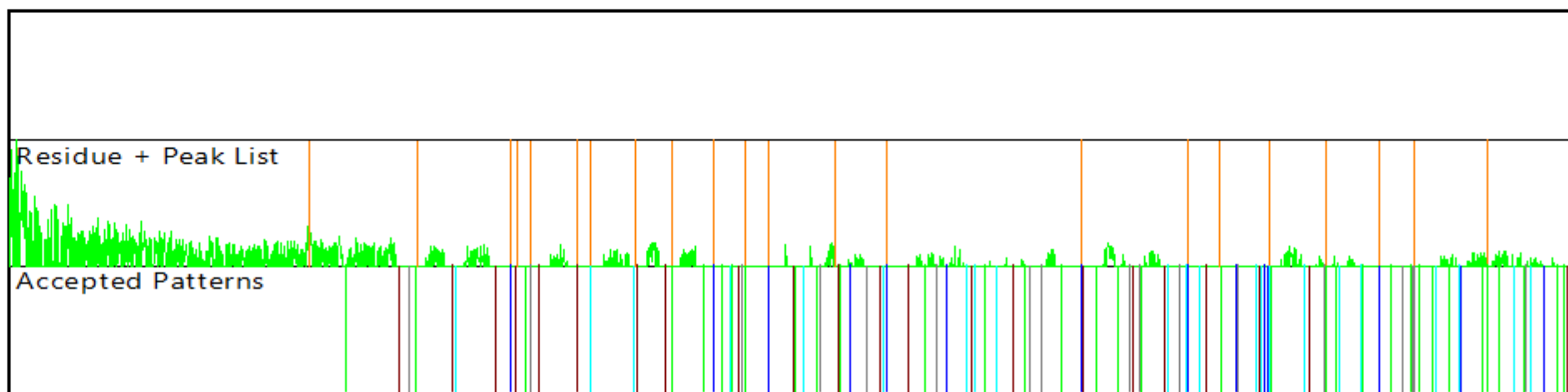
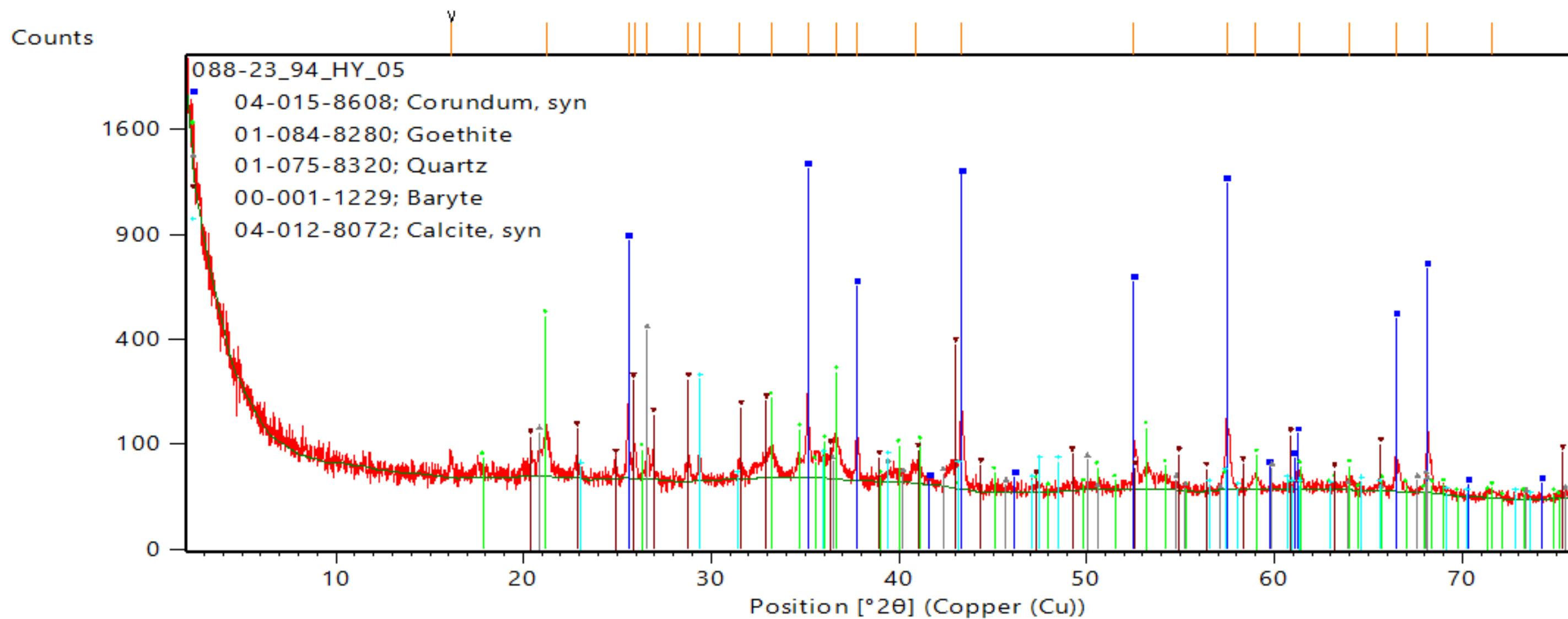
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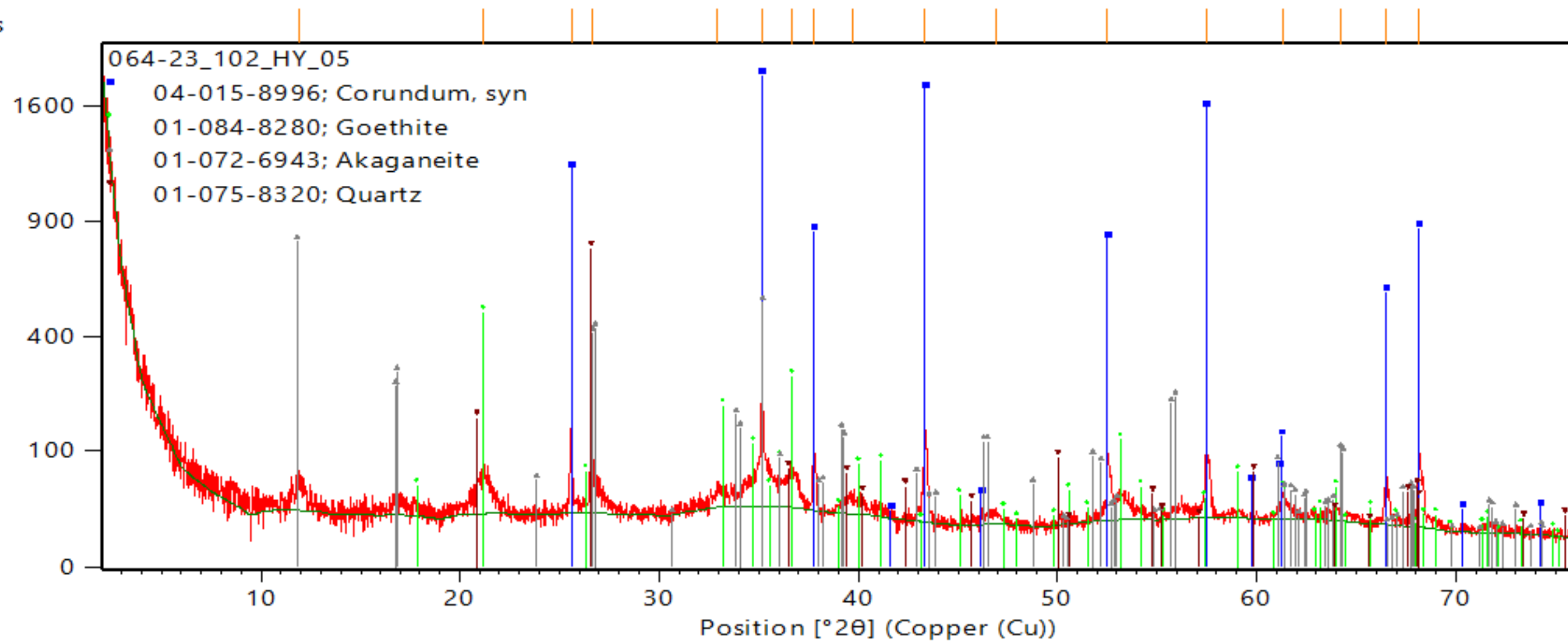
Selected Pattern: Sodium Magnesium Carbonate Sulfate 00-022-0479

Residue + Peak List

Accepted Patterns

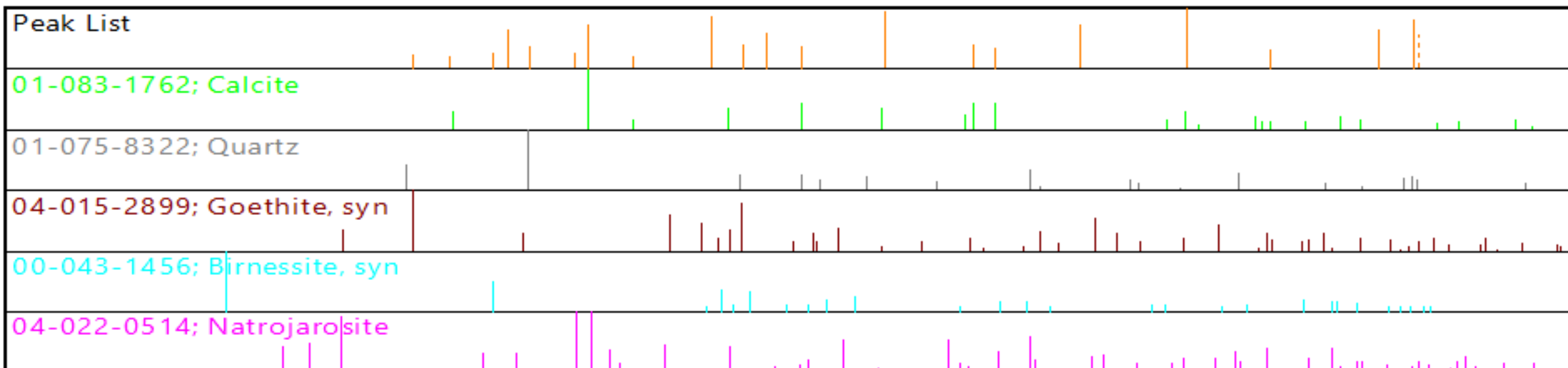
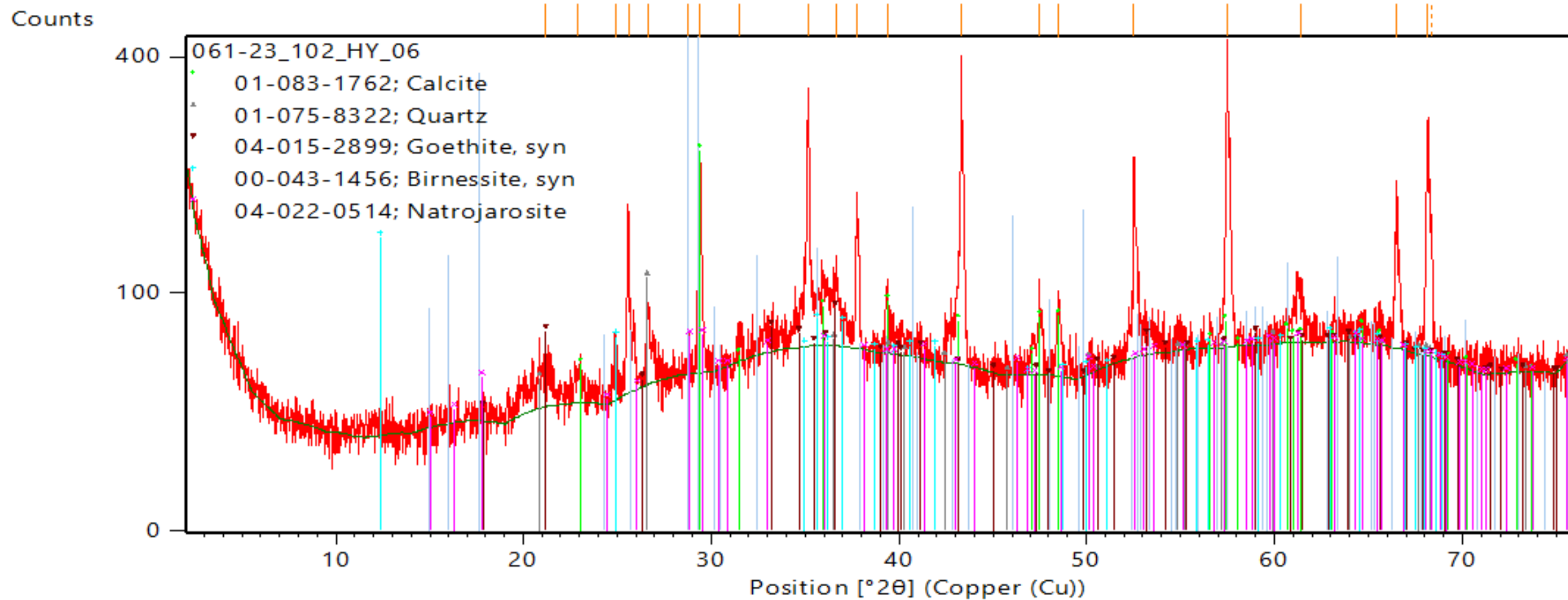


Counts

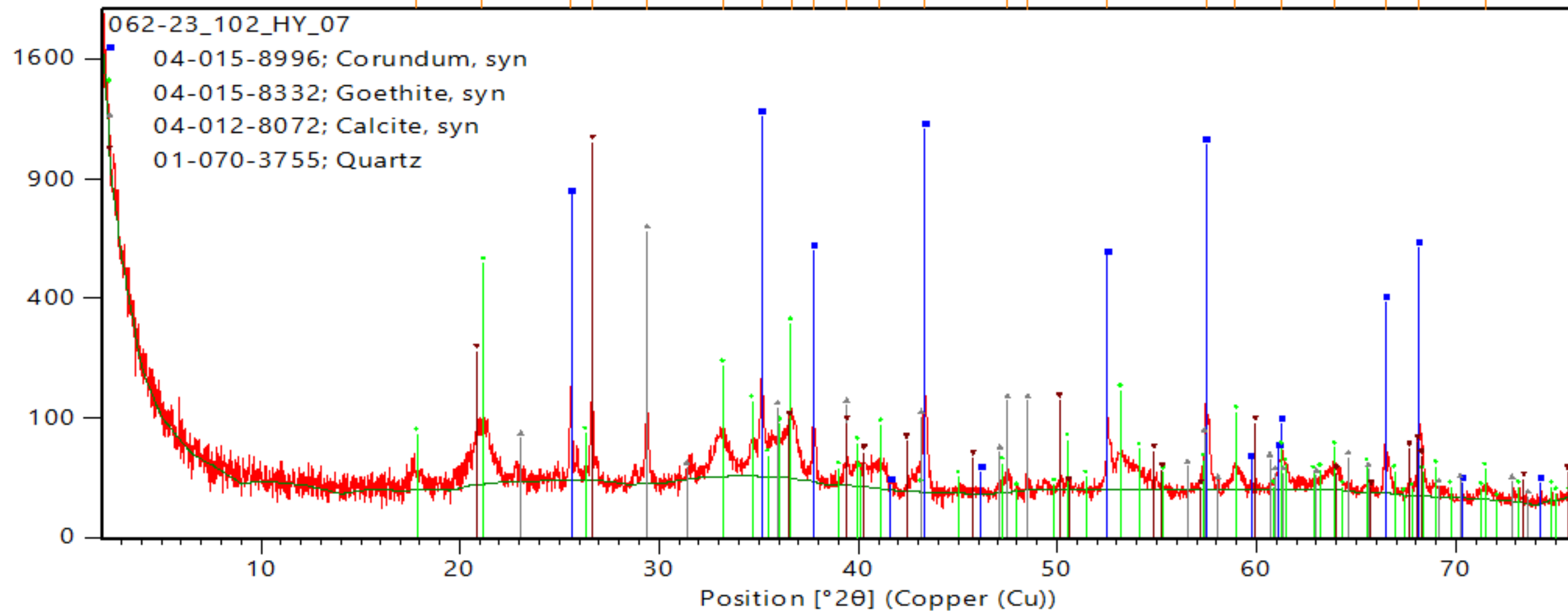


Residue + Peak List

Accepted Patterns



Counts



Residue + Peak List

Accepted Patterns