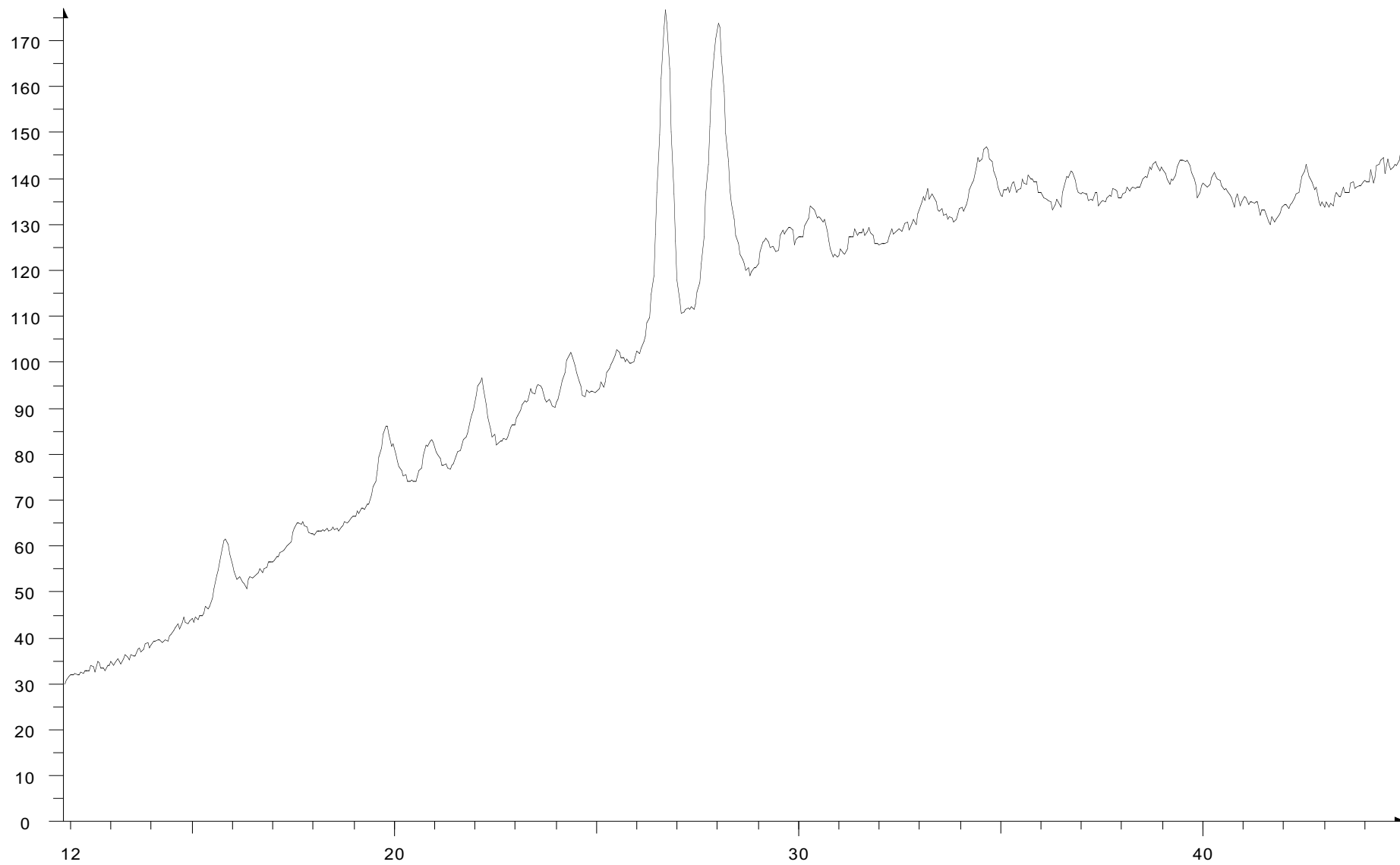


Sample ID:	S5
Zone:	Highly altered material
Material identified:	Scorodite, primary silicates primary sulfides
Type of radiation	CuK_1+K_2 = 1.54184Å
Power	40 kV x 40 mA
Type of scan	2_ (2 Omega)
Beam diameter	500 um
2_ range	6° - 21.5°
Time	20 minutes

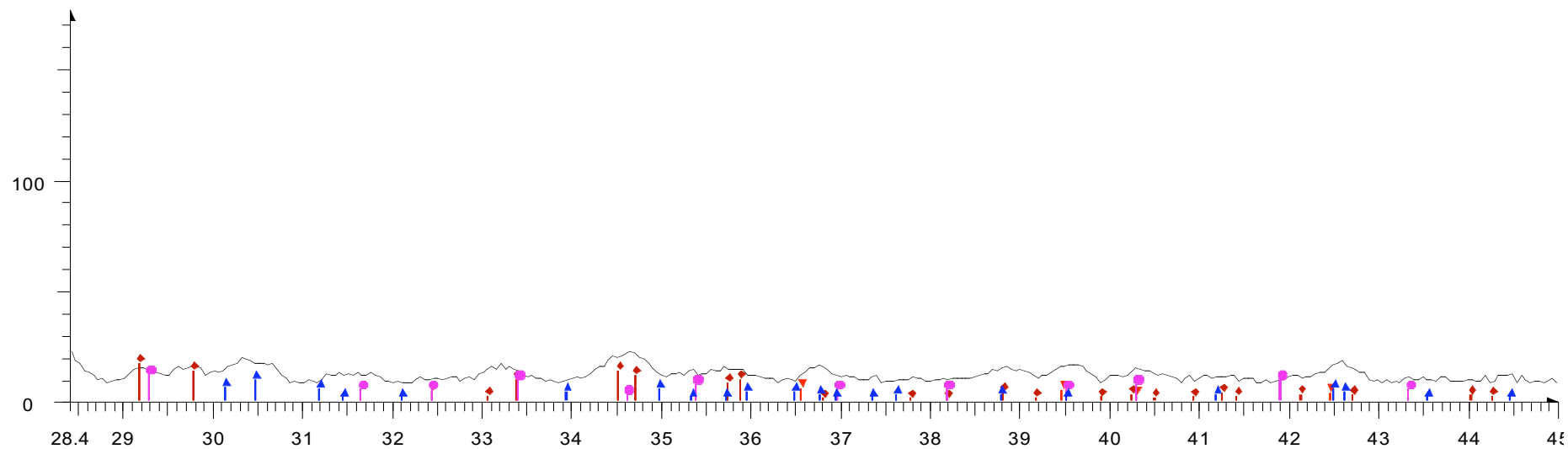
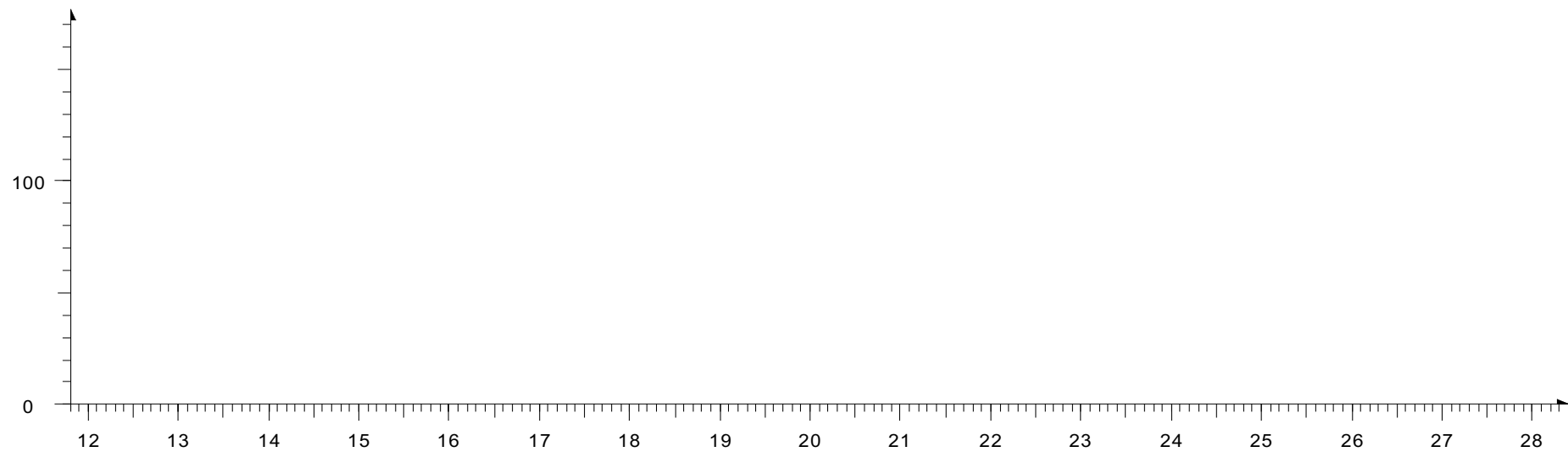
SAMPLE / DIFFRACTOGRAM INVENTORY

Sample ID	Spot ID	Zone	Notes
S5	1	1	Amorphous, homogeneous reddish brown material.
S5	2	1	Heterogeneous reddish brown material.
S5	3	1	Heterogeneous greyish / reddish brown material that readily diffuses light.
S5	4	2	Heterogeneous yellowish brown material.
S5	5	2	Heterogeneous dark brown material.
S5	6	2	Heterogeneous reddish brown material.
S5	7	2	Heterogeneous black / yellowish green material.
S5	8	3	Heterogeneous reddish brown material.
S5	9	3	Heterogeneous reddish brown material.
S5	10	3	Heterogeneous reddish brown material; center of red ball.
S5	11	4	Heterogeneous reddish brown material; center of red ball.








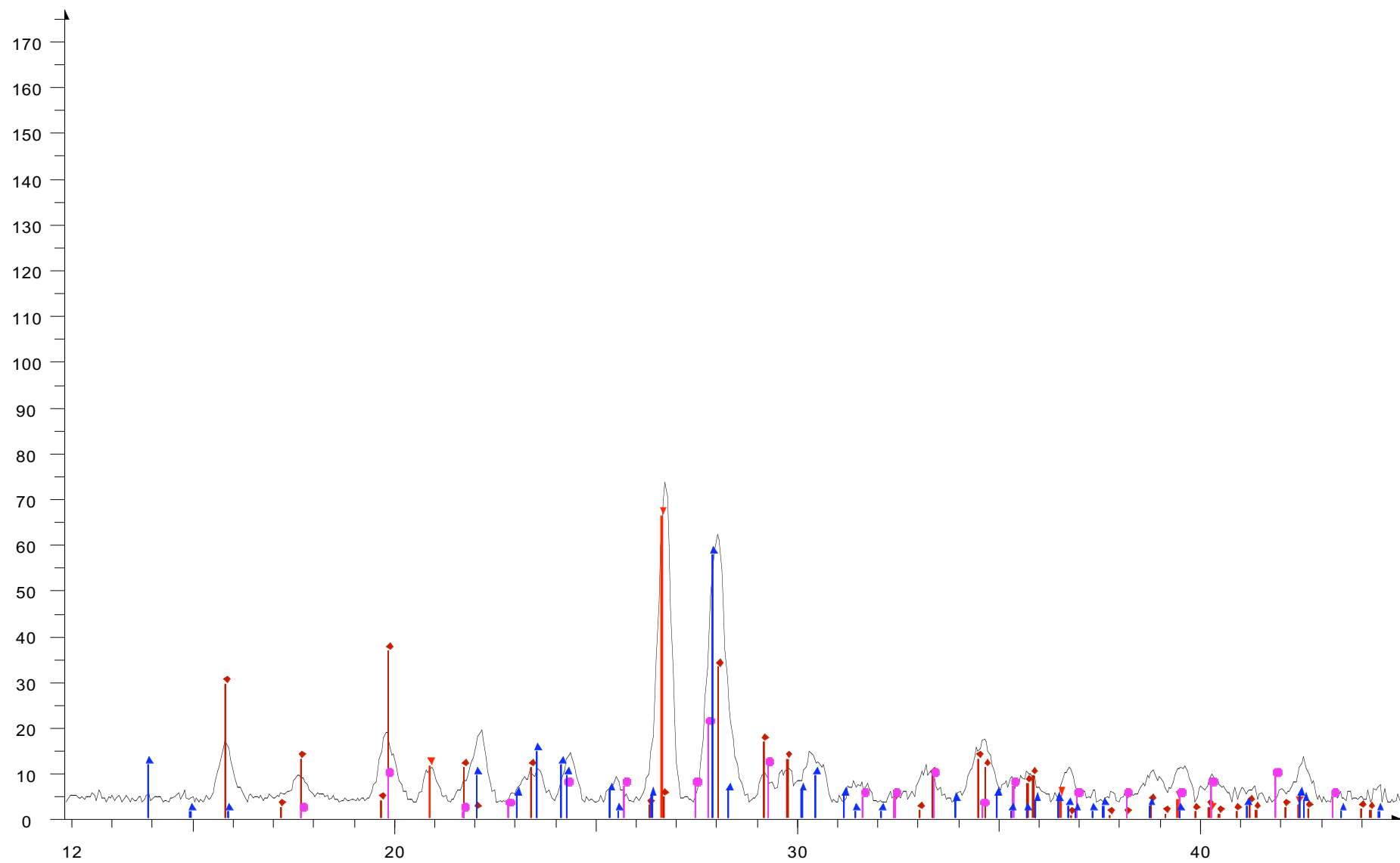
 File: KristinBMS5 10.raw

2-Theta - Scale



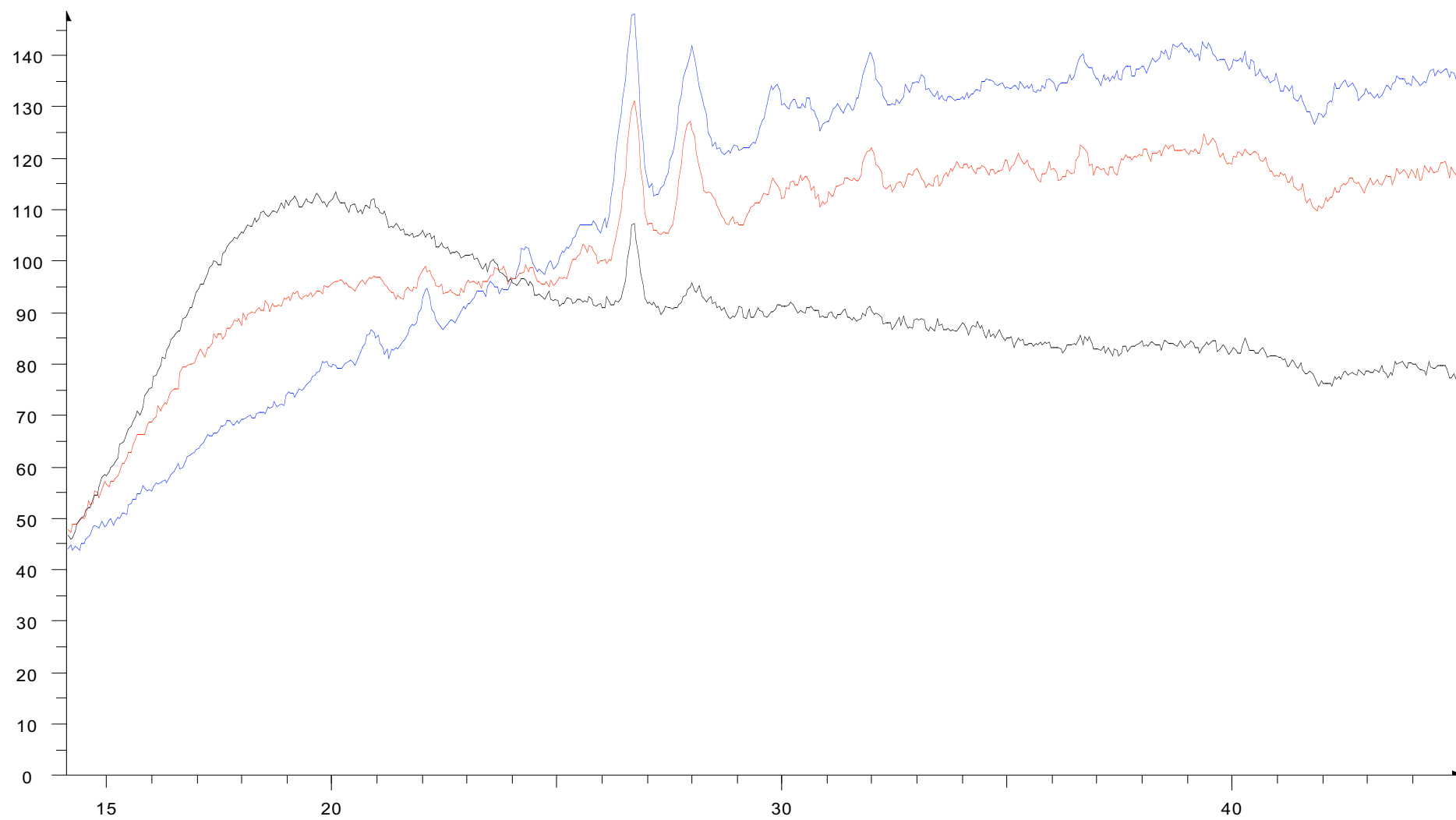
2-Theta - Scale

-  Y + 3.0 mm - File: KristinBMS5_10.raw
-  85-0796 (C) - Quartz - SiO₂
-  37-0468 (*) - Scorodite - FeAsO₄·2H₂O
-  44-1468 (N) - Tooeleite - Fe₈(AsO₄)₆(OH)₆·5H₂O
-  09-0466 (*) - Albite, ordered - NaAlSi₃O₈



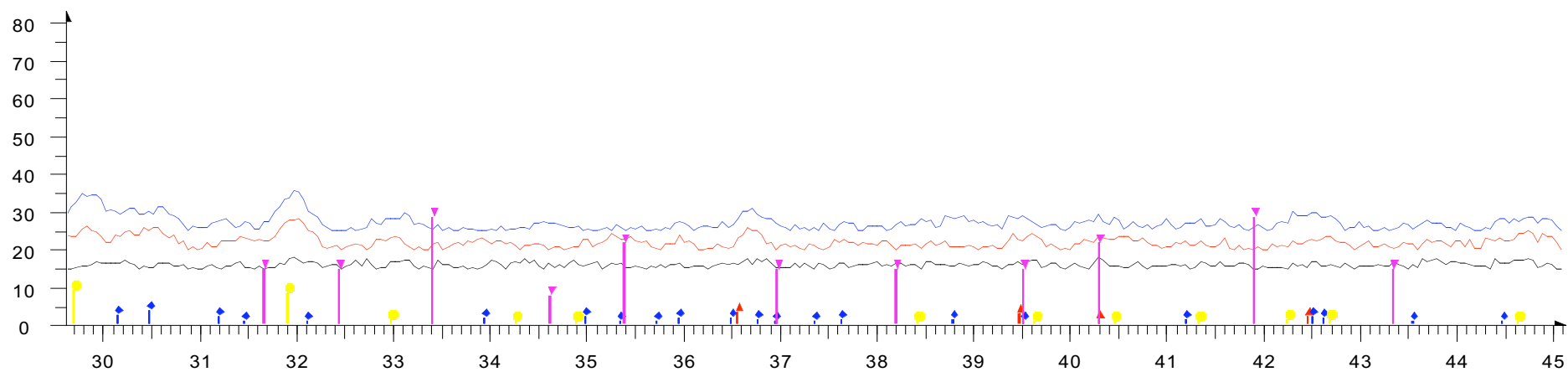
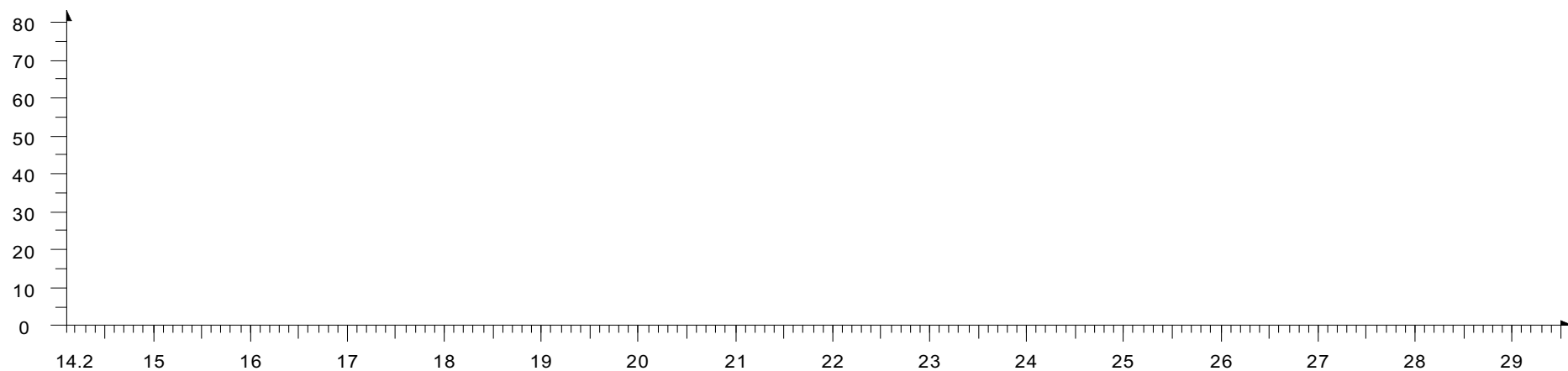
2-Theta - Scale

- Y + 3.0 mm - File: KristinBMS5 10.raw
- 85-0796 (C) - Quartz - SiO2
- 37-0468 (*) - Scorodite - FeAsO4·2H2O
- 44-1468 (N) - Tooeleite - Fe8(AsO4)6(OH)6·5H2O
- 09-0466 (*) - Albite, ordered - NaAlSi3O8



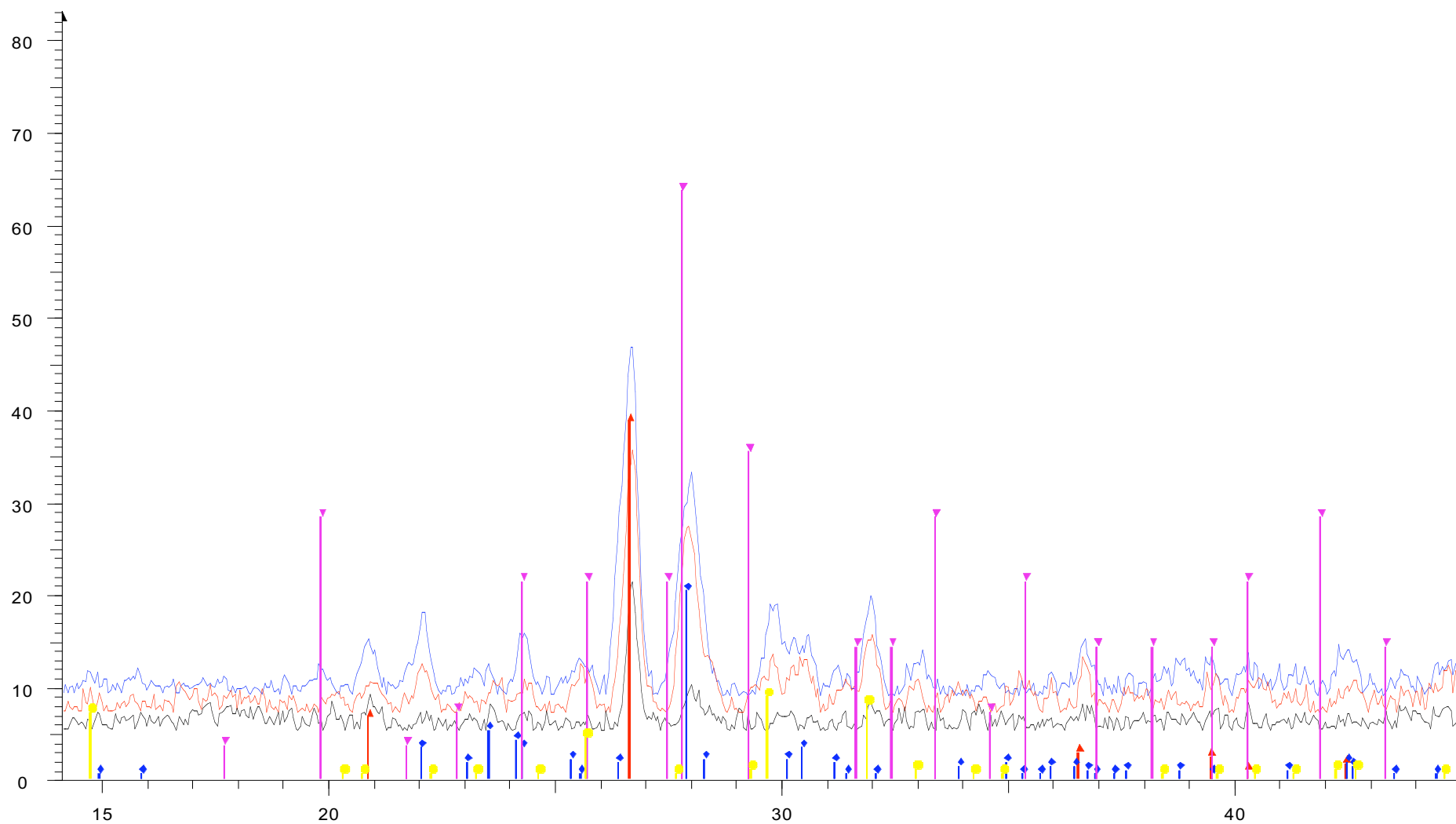
File: KristinBMS5 01.raw
Y + 3.0 mm - File: KristinBMS5 02.raw
Y + 6.0 mm - File: KristinBMS5 03.raw

2-Theta - Scale



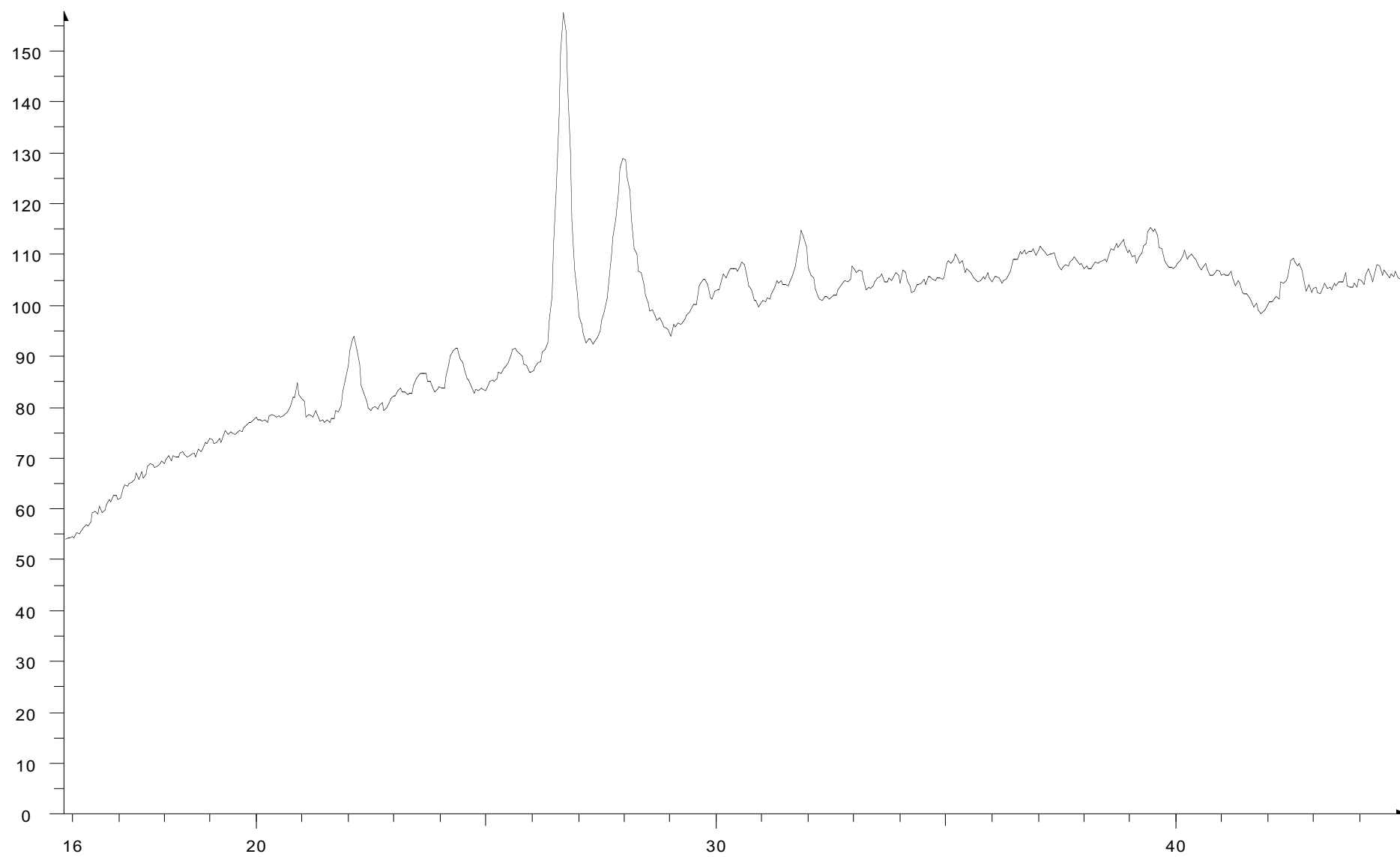
2-Theta - Scale

- ▬ Y + 9.0 mm - File: KristinBMS5_01.raw
- ▬ Y + 12.0 mm - File: KristinBMS5_02.raw
- ▬ Y + 15.0 mm - File: KristinBMS5_03.raw
- ▲ 85-0796 (C) - Quartz - SiO₂
- ◆ 09-0466 (*) - Albite, ordered - NaAlSi₃O₈
- 41-0224 (I) - Bassanite, syn - CaSO₄·0.5H₂O
- ▼ 44-1468 (N) - Tooeleite - Fe₈(AsO₄)₆(OH)₆·5H₂O

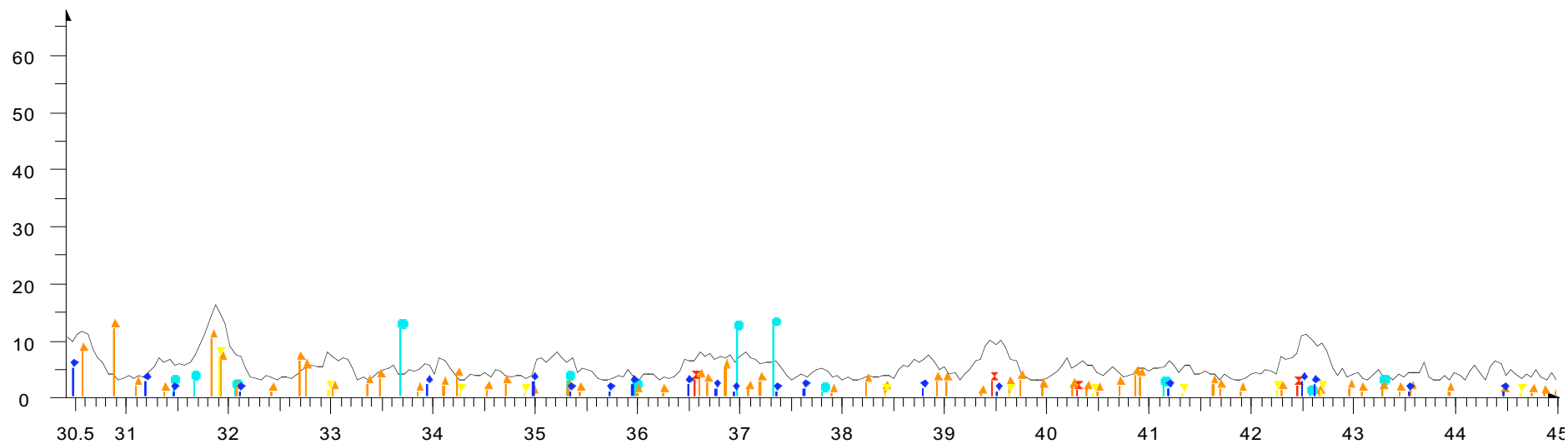
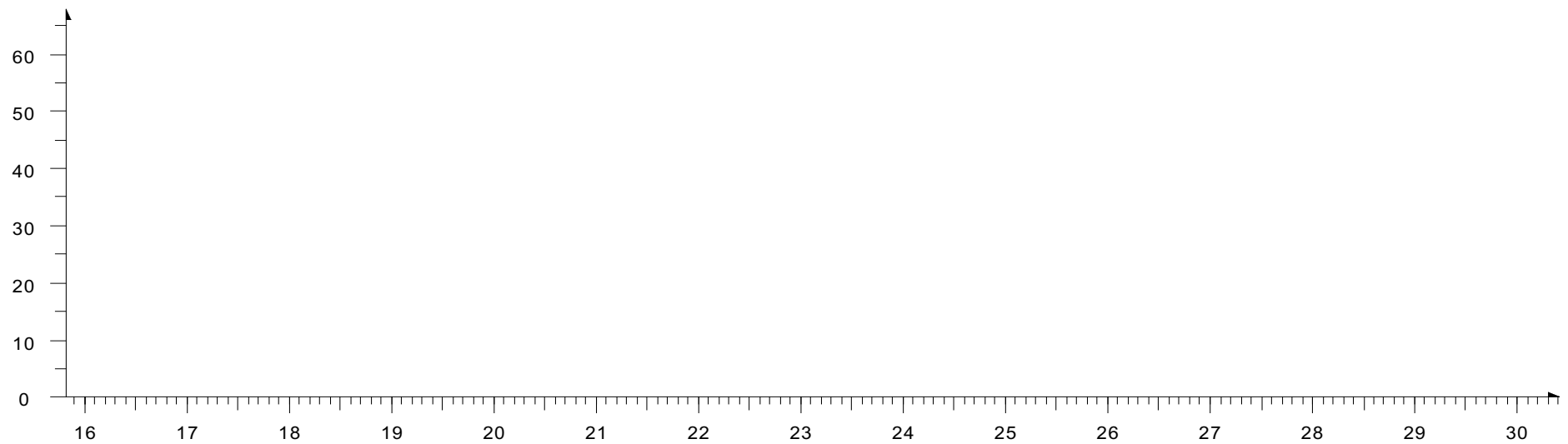


2-Theta - Scale







- Y + 9.0 mm - File: KristinBMS5_01.raw
- Y + 12.0 mm - File: KristinBMS5_02.raw
- Y + 15.0 mm - File: KristinBMS5_03.raw
- 85-0796 (C) - Quartz - SiO₂
- 09-0466 (*) - Albite, ordered - NaAlSi₃O₈
- 41-0224 (I) - Bassanite, svn - CaSO₄·0.5H₂O
- 44-1468 (N) - Tooeleite - Fe₈(AsO₄)₆(OH)₆·5H₂O

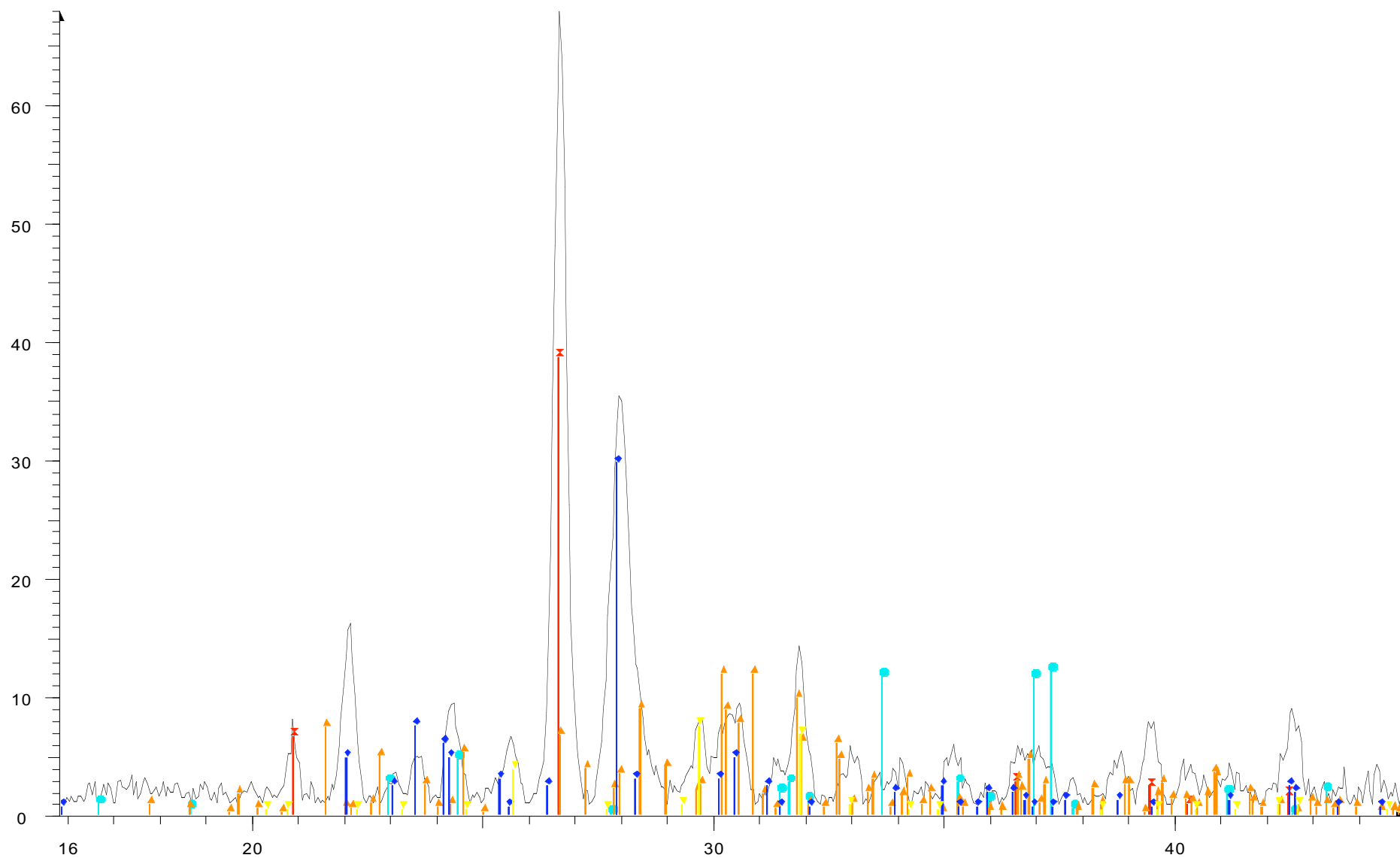


 File: KristinBMS5 05.raw

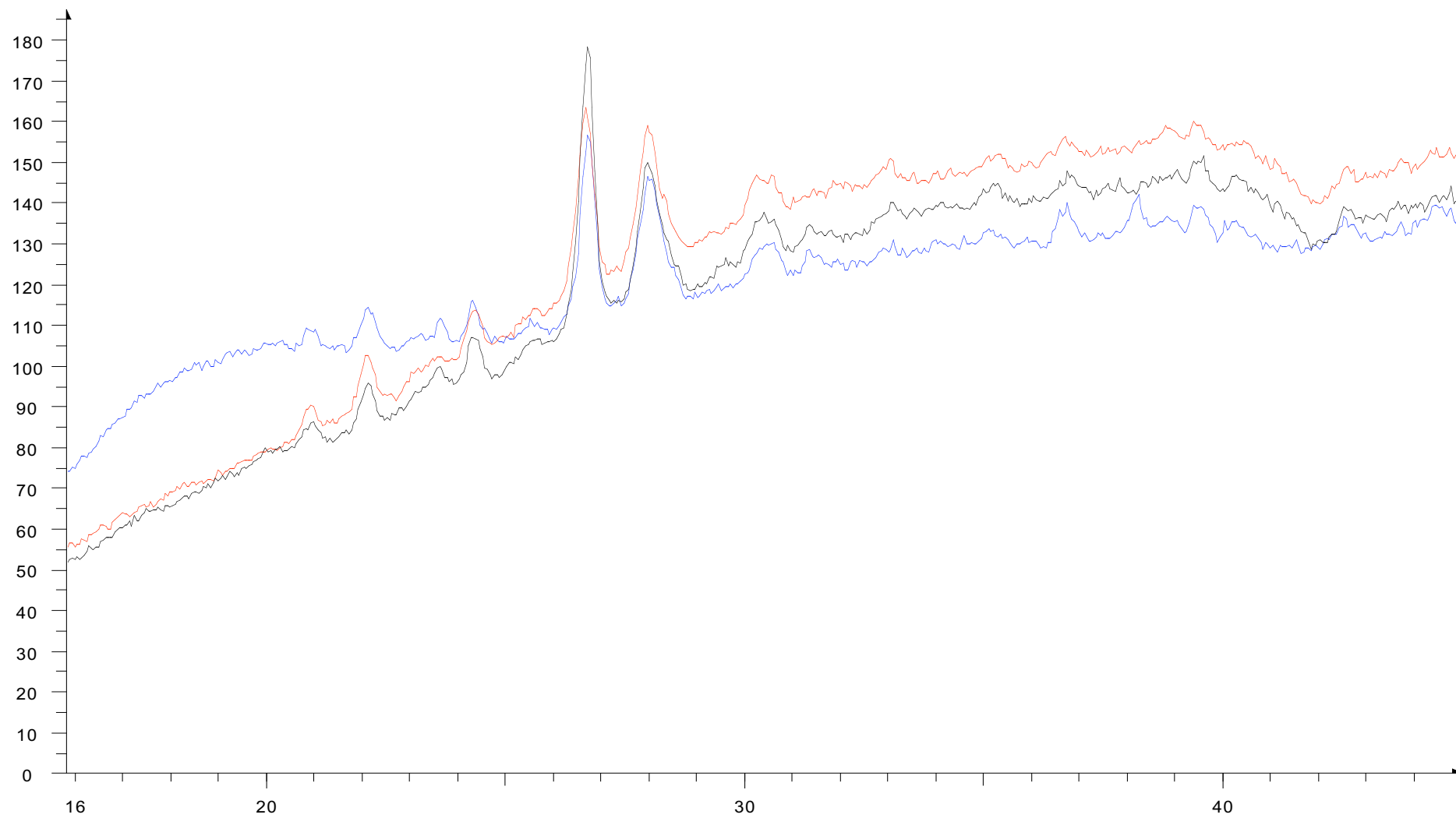


2-Theta - Scale

-  Y + 3.0 mm - File: KristinBMS5_05.raw
-  85-0796 (C) - Quartz - SiO₂
-  85-1723 (C) - Arsenopvrite - FeAsS
-  88-1788 (C) - Schneiderhoehnite - FeFe₃(As₅O₁₃)
-  09-0466 (*) - Albite, ordered - NaAlSi₃O₈
-  41-0224 (I) - Bassanite, svn - CaSO₄·0.5H₂O

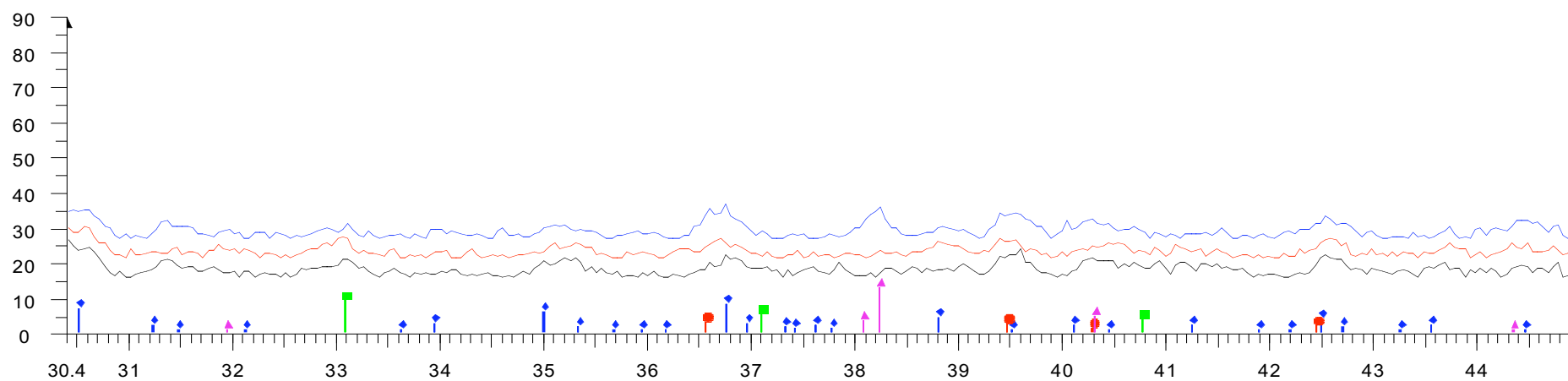
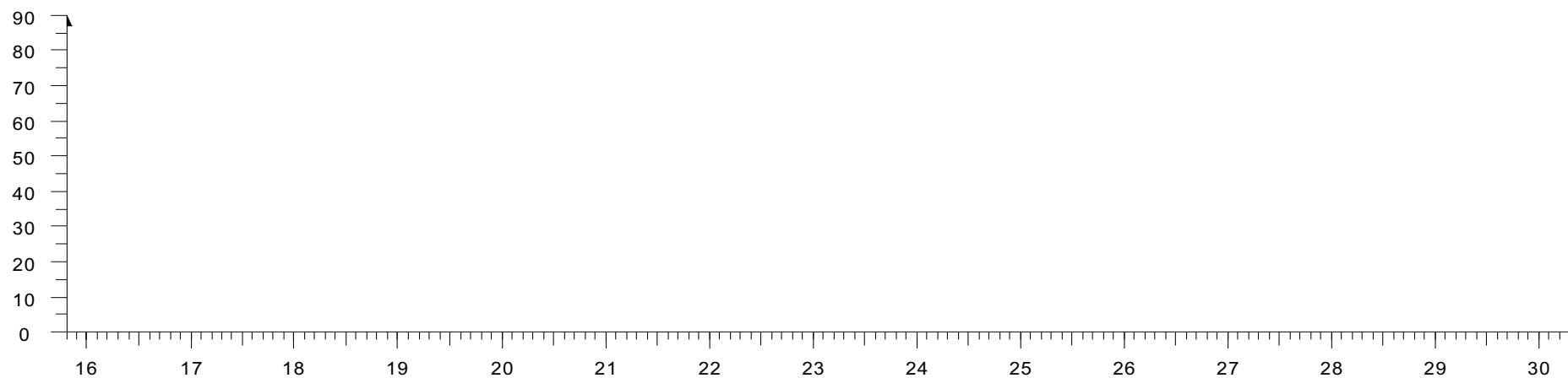


- Y + 3.0 mm - File: KristinBMS5_05.raw
85-0796 (C) - Quartz - SiO₂
85-1723 (C) - Arsenopvrite - FeAsS
88-1788 (C) - Schneiderhoehnite - FeFe₃(As₅O₁₃)
09-0466 (*) - Albite, ordered - NaAlSi₃O₈
41-0224 (I) - Bassanite, svn - CaSO₄·0.5H₂O










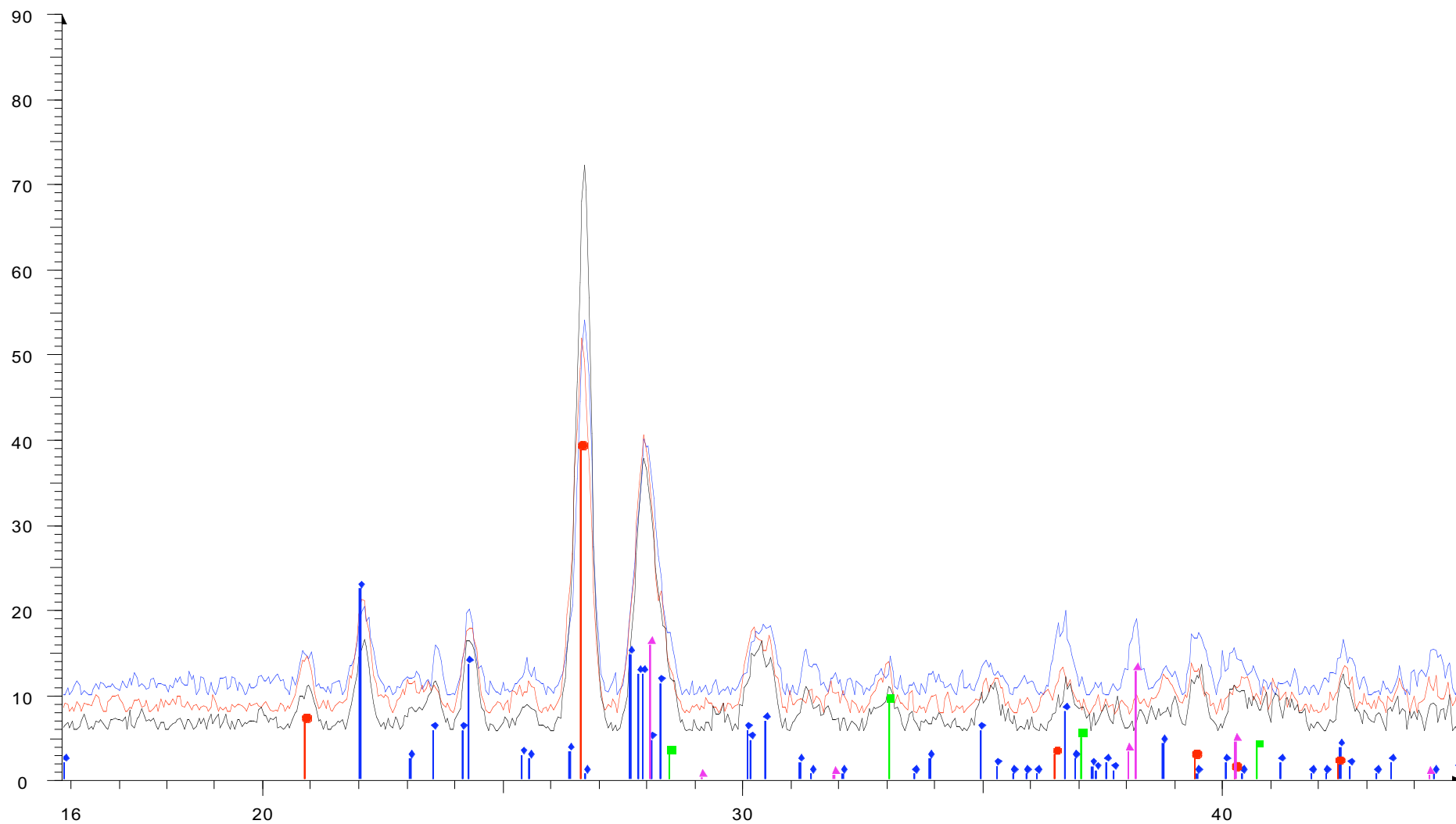
File: KristinBMS5 04.raw
Y + 3.0 mm - File: KristinBMS5 06.raw
Y + 6.0 mm - File: KristinBMS5 07.raw

2-Theta - Scale



2-Theta - Scale

-  Y + 9.0 mm - File: KristinBMS5_04.raw
-  Y + 12.0 mm - File: KristinBMS5_06.raw
-  Y + 15.0 mm - File: KristinBMS5_07.raw
-  19-1184 (I) - Albite, ordered - NaAlSi3O8
-  42-1340 (*) - Pyrite - FeS2
-  85-0796 (C) - Quartz - SiO2
-  88-2112 (C) - Lepidocrocite, svn - FeOO(H.036D.964)



2-Theta - Scale

- Y + 9.0 mm - File: KristinBMS5_04.raw
- Y + 12.0 mm - File: KristinBMS5_06.raw
- Y + 15.0 mm - File: KristinBMS5_07.raw
- 19-1184 (I) - Albite, ordered - $\text{NaAlSi}_3\text{O}_8$
- 42-1340 (*) - Pyrite - FeS_2
- 85-0796 (C) - Quartz - SiO_2
- 88-2112 (C) - Lepidocrocite, svn - $\text{FeOO}(\text{H.036D.964})$