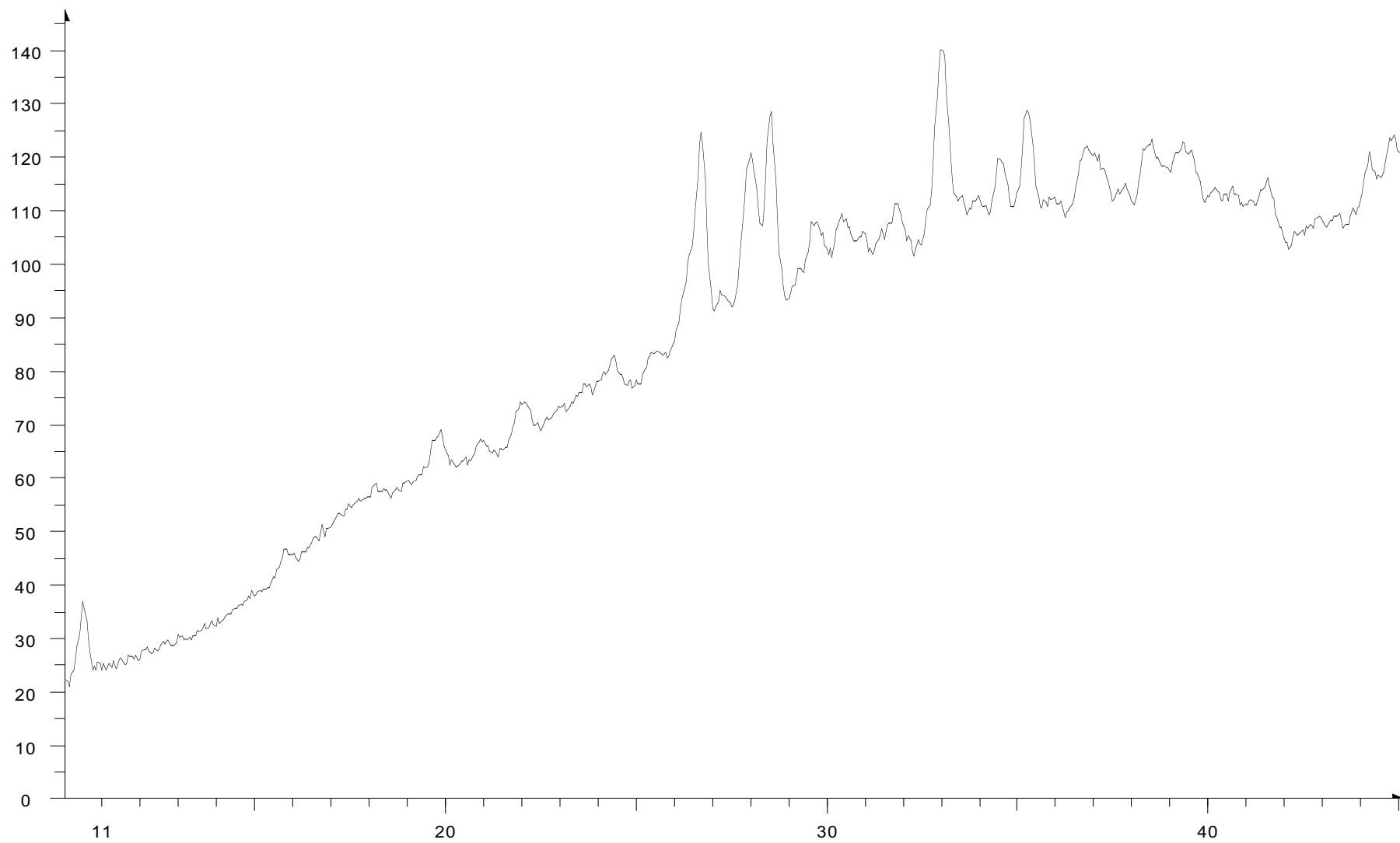


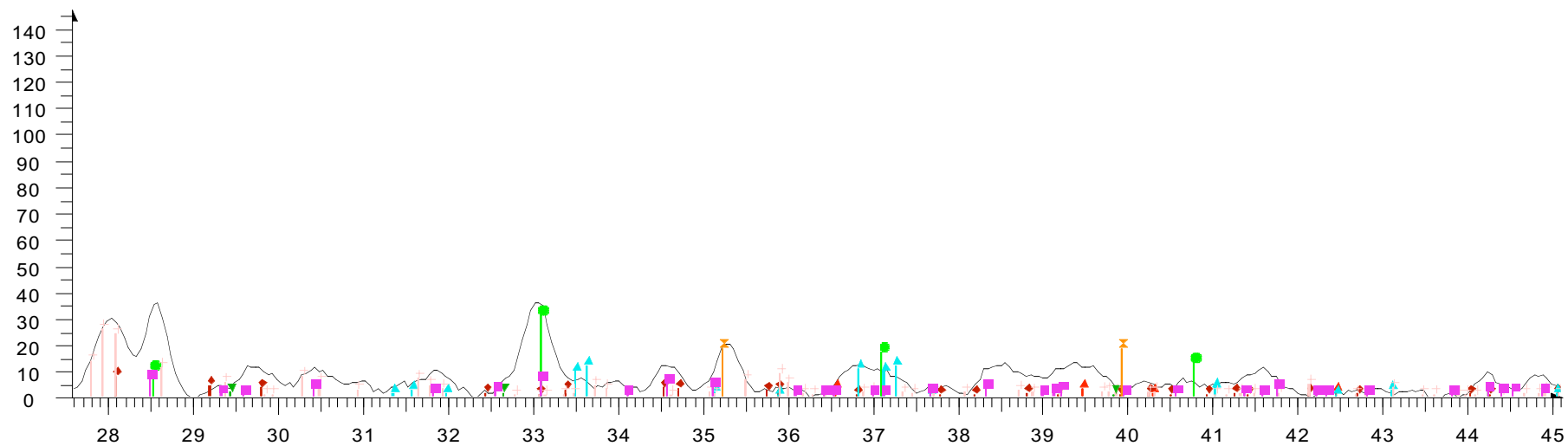
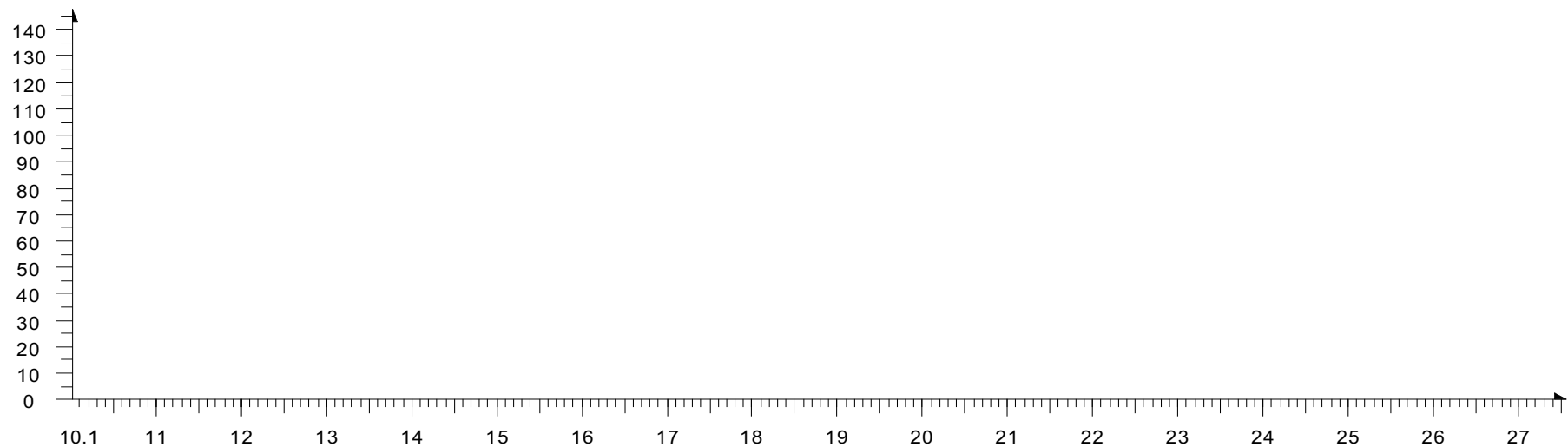
Sample ID:	SL2-14
Zone:	Tramsition
Type of radiation	CuK_1+K_2 = 1.54184Å
Power	40 kV x 40 mA
Type of scan	2_ (2 Omega)
Beam diameter	500 um
2_ range	6° - 21.5°
Time	20 minutes

SAMPLE / DIFFRACTOGRAM INVENTORY










Sample ID	Spot ID	Zone	Notes
SL214	1	1	Grey brown semi altered sulfides.
SL214	2	1	Grey brown semi altered sulfides.
SL214	3	1	Grey brown semi altered sulfides.
SL214	4	1	Grey brown semi altered sulfides.
SL214	5	1	Grey brown semi altered sulfides.
SL214	6	2	Grey brown semi altered sulfides.
SL214	7	2	Grey brown semi altered sulfides.
SL214	8	2	Grey brown semi altered sulfides with a large white crystal.
SL214	9	2	White crystal.
SL214	10	2	Grey brown semi altered sulfides.
SL214	11	2	White crystal.

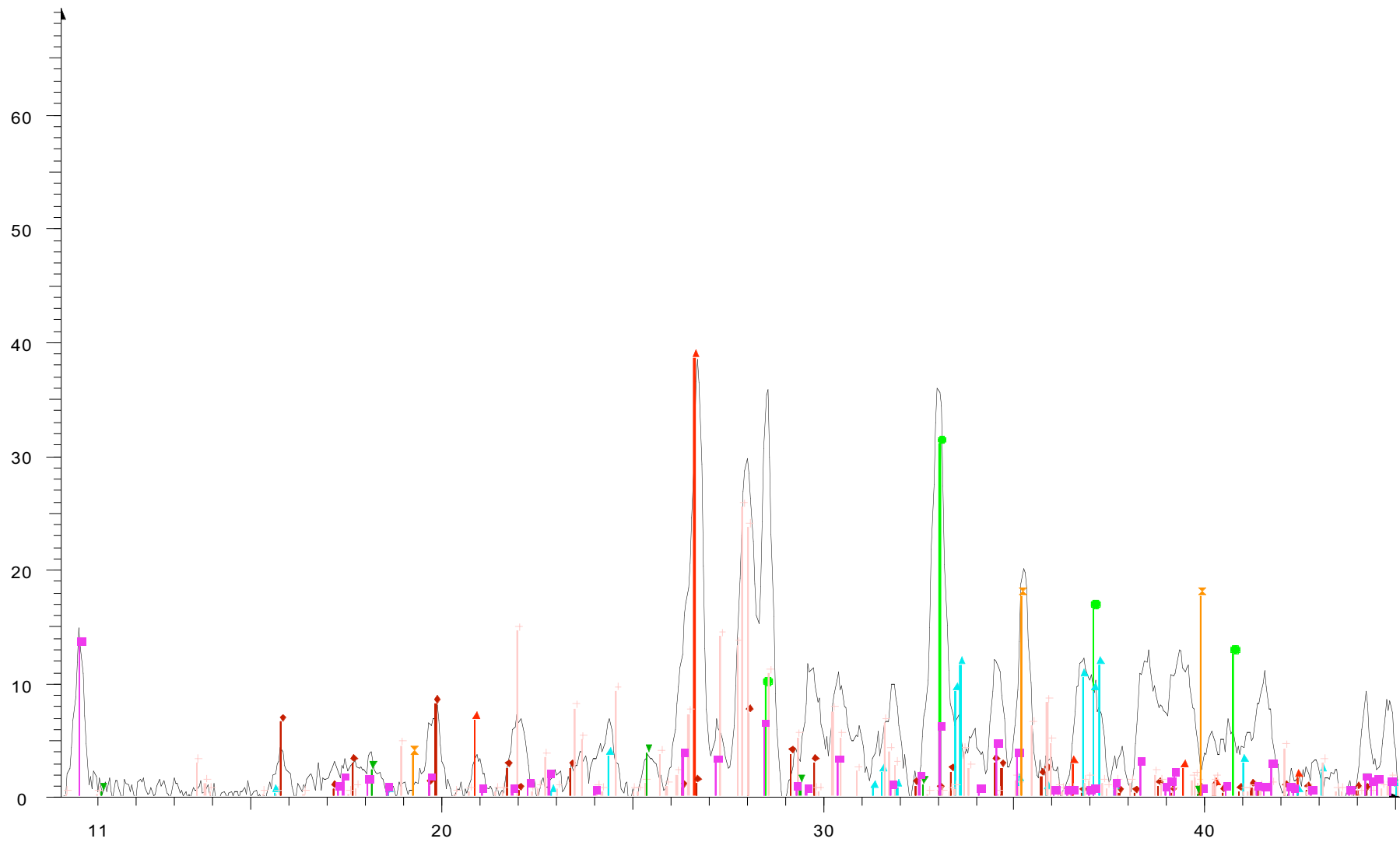


 File: KristinSL2140 04.raw



2-Theta - Scale

- | | |
|---|---|
|  File: KristinSL2140 04.raw |  49-1057 (Q) - Hvdrobiotite - K-Ma-Al-SiO ₂ -H ₂ O |
|  85-0796 (C) - Quartz - SiO ₂ |  73-1135 (C) - Amohibole - Al _{3.2} Ca _{3.4} Fe _{4.0} K _{6.6} Ma _{6.0} Na _{1.0} Si _{12.8} |
|  42-1340 (*) - Pvrite - FeS ₂ |  13-0087 (Q) - Feroxvhite. svn - Fe+3O(OH) |
|  37-0468 (*) - Scorodite - FeAsO ₄ ·2H ₂ O | |
|  42-1320 (I) - Arsenopvrite - FeAsS | |
|  86-1705 (C) - Anorthite - Ca(Al ₂ Si ₂ O ₈) | |



File: KristinSL2140_04.raw



85-0796 (C) - Quartz - SiO₂



42-1340 (*) - Pyrite - FeS₂



37-0468 (*) - Scorodite - FeAsO₄·2H₂O



42-1320 (I) - Arsenopyrite - FeAsS



86-1705 (C) - Anorthite - Ca(Al₂Si₂O₈)



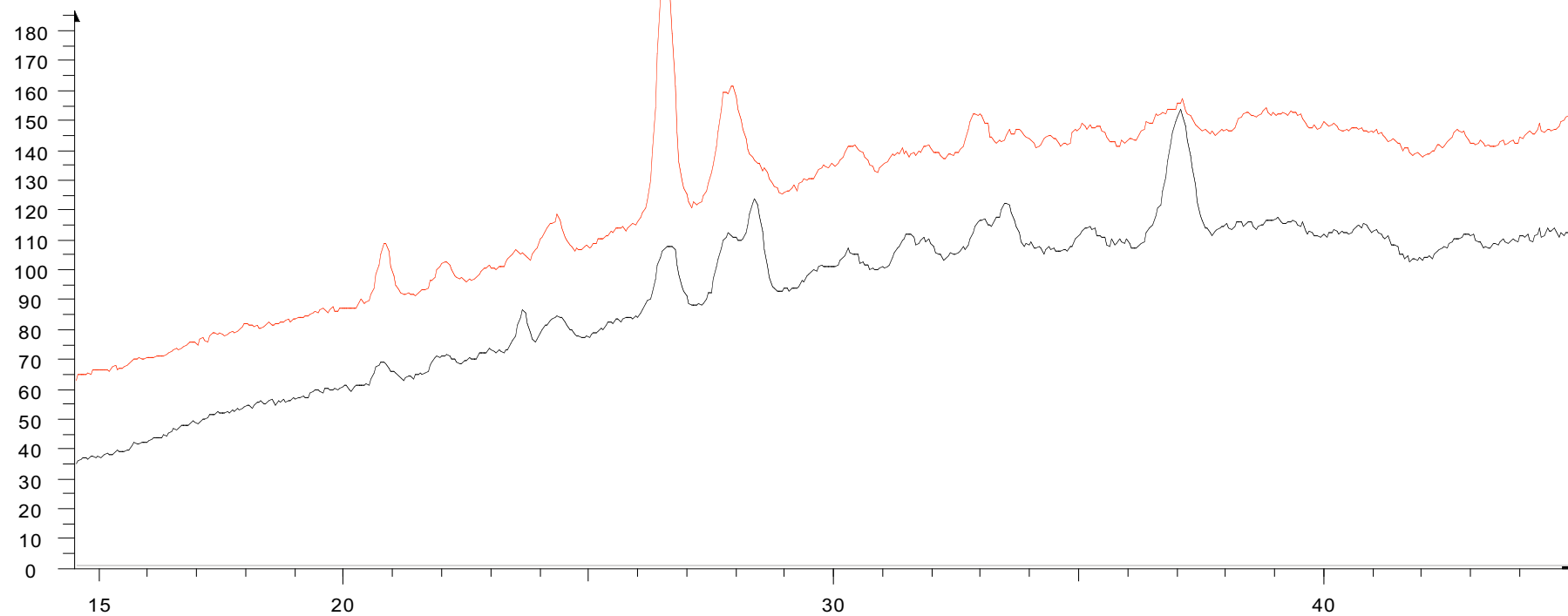
49-1057 (Q) - Hydrobiotite - K-Mg-Al-SiO₂-H₂O




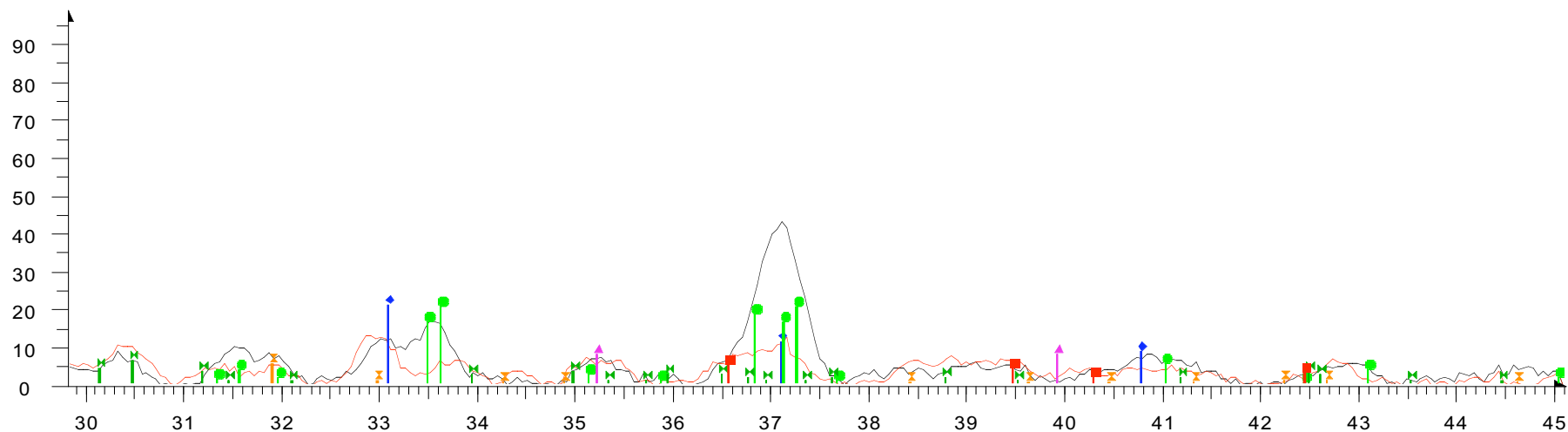
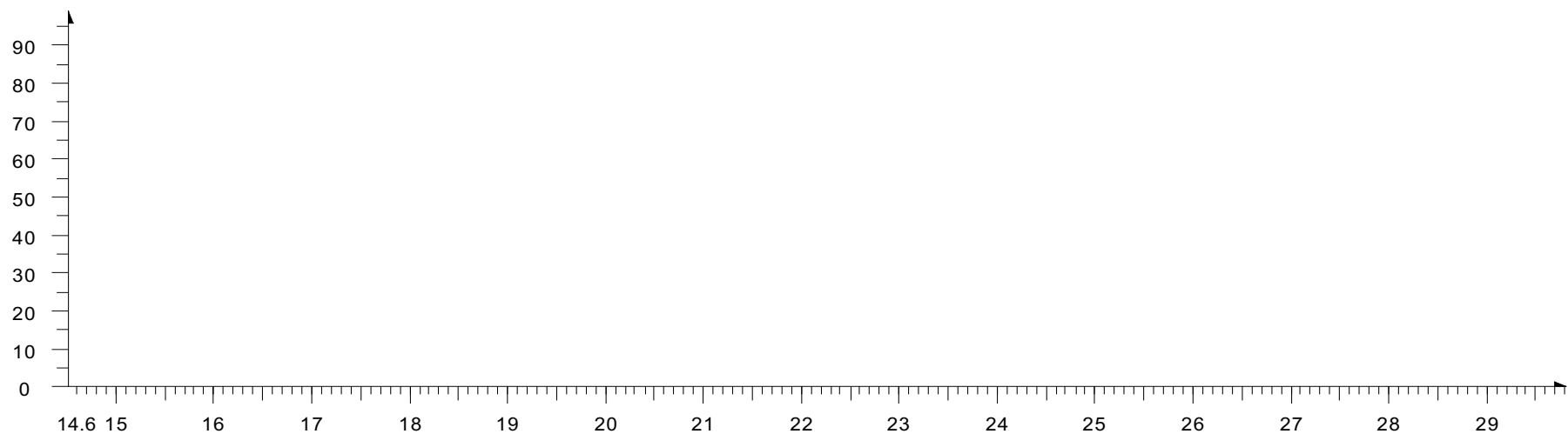
73-1135 (C) - Amphibole - Al_{3.2}Ca_{3.4}Fe_{4.0}K_{0.6}Mg_{6.0}Na_{1.0}Si_{12.8}









13-0087 (Q) - Feroxwhite. svn - Fe³⁺O(OH)





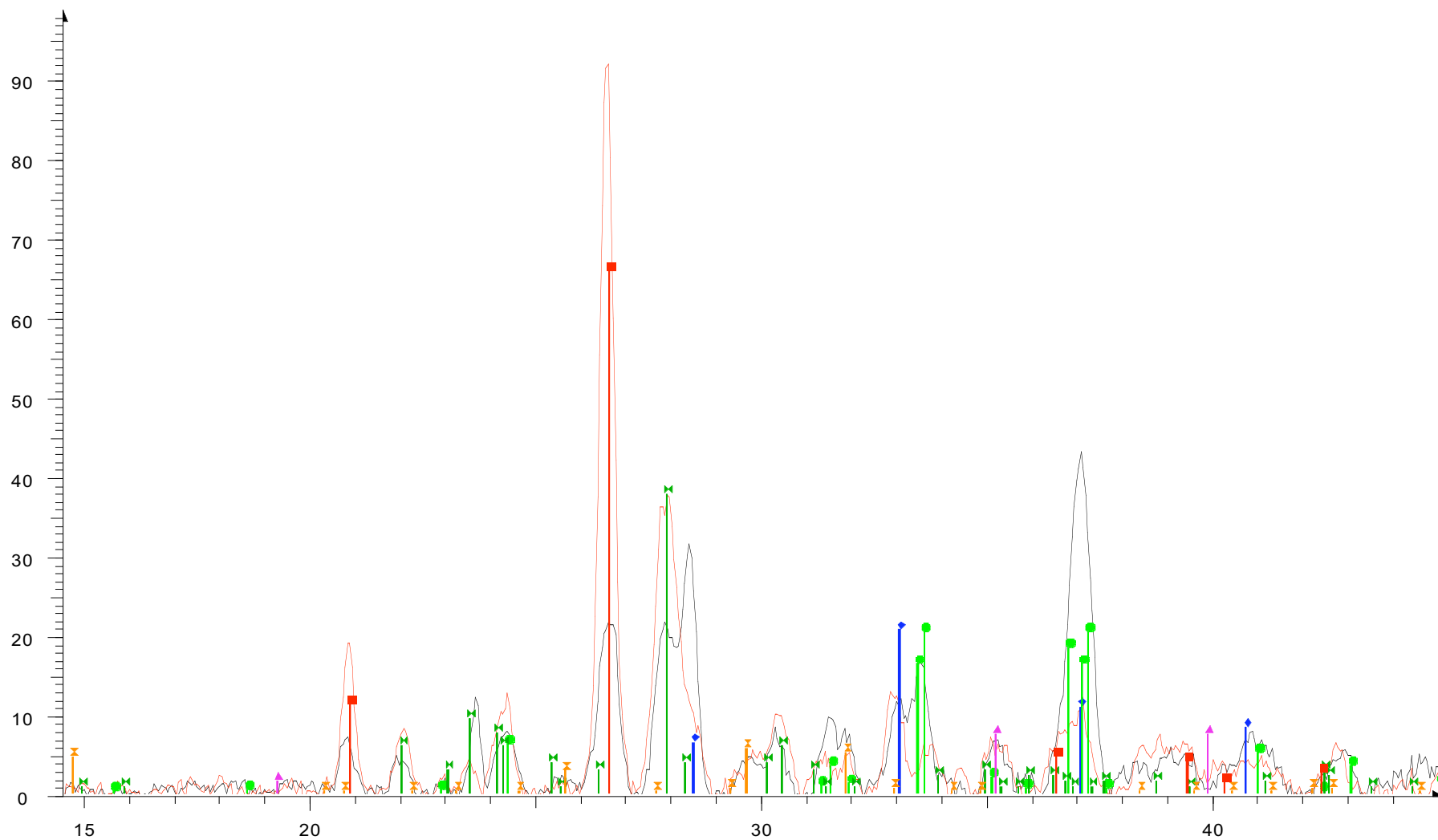
 File: KristinSL2140 02.raw
 Y + 15.0 mm - File: KristinSL2140 01.raw









2-Theta - Scale



-  File: KristinSL2140 02.raw
-  File: KristinSL2140 01.raw
-  85-0796 (C) - Quartz - SiO₂
-  42-1340 (*) - Pwrite - FeS₂
-  42-1320 (I) - Arsenopvrite - FeAsS
-  09-0466 (*) - Albite, ordered - NaAlSi₃O₈

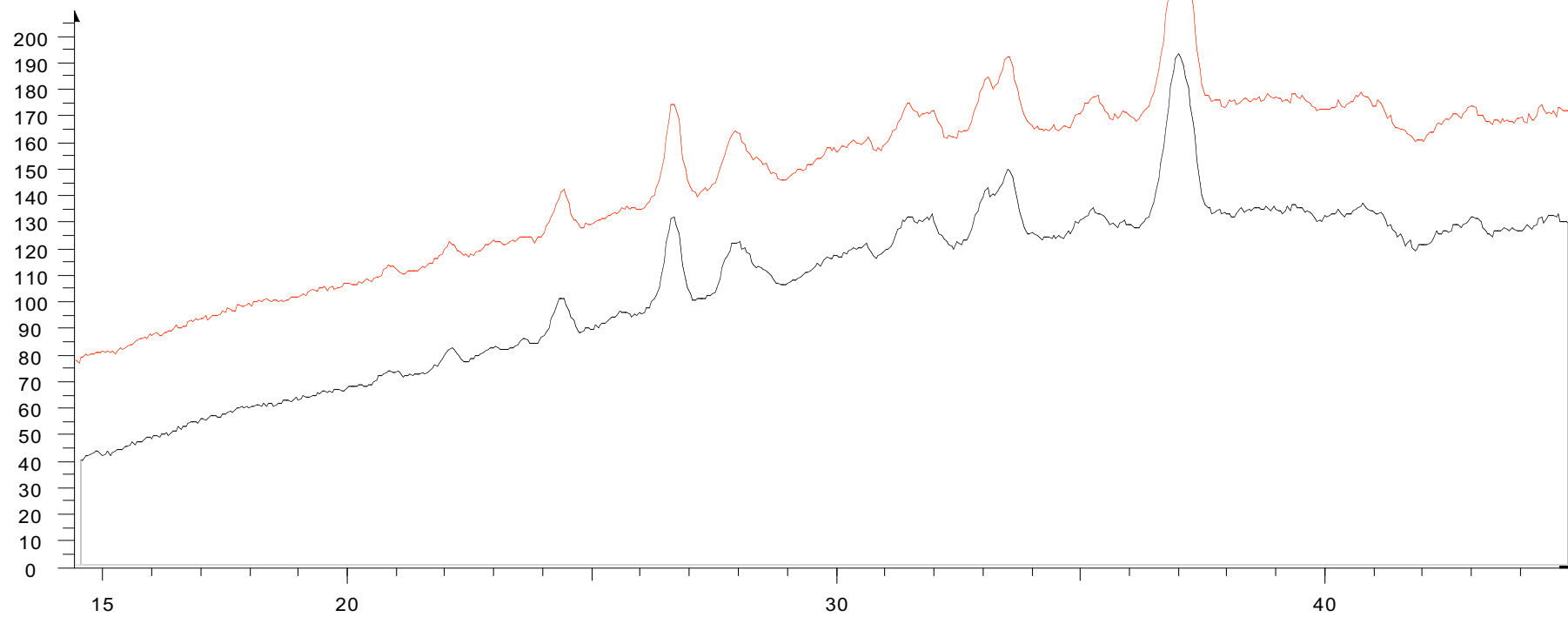
-  41-0224 (I) - Bassanite, svn - CaSO₄·0.5H₂O
-  13-0087 (Q) - Feroxyhite, svn - Fe+3O(OH)



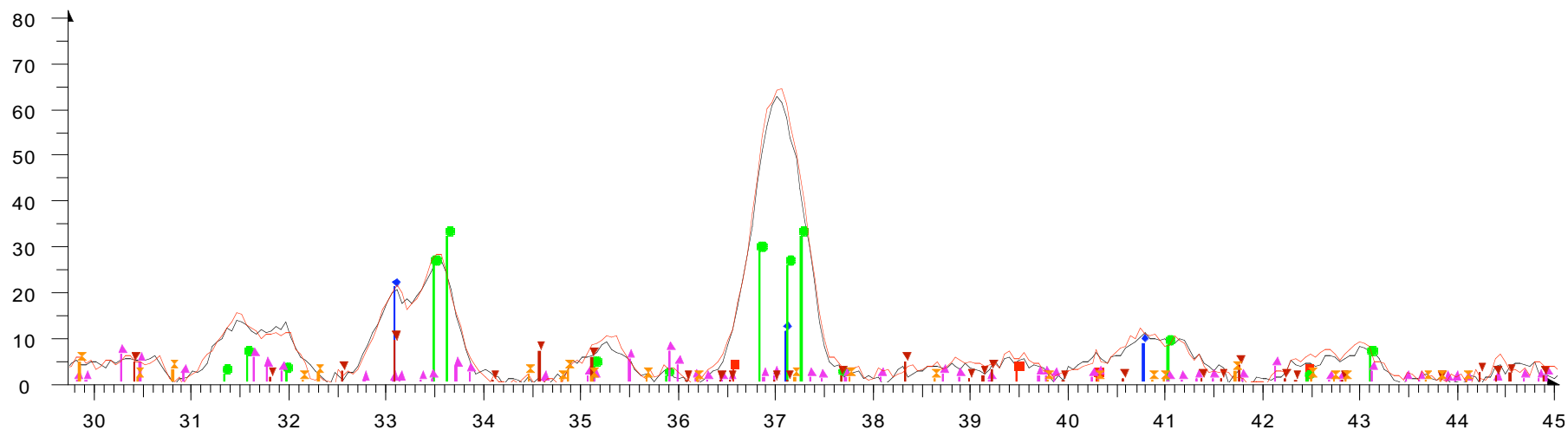
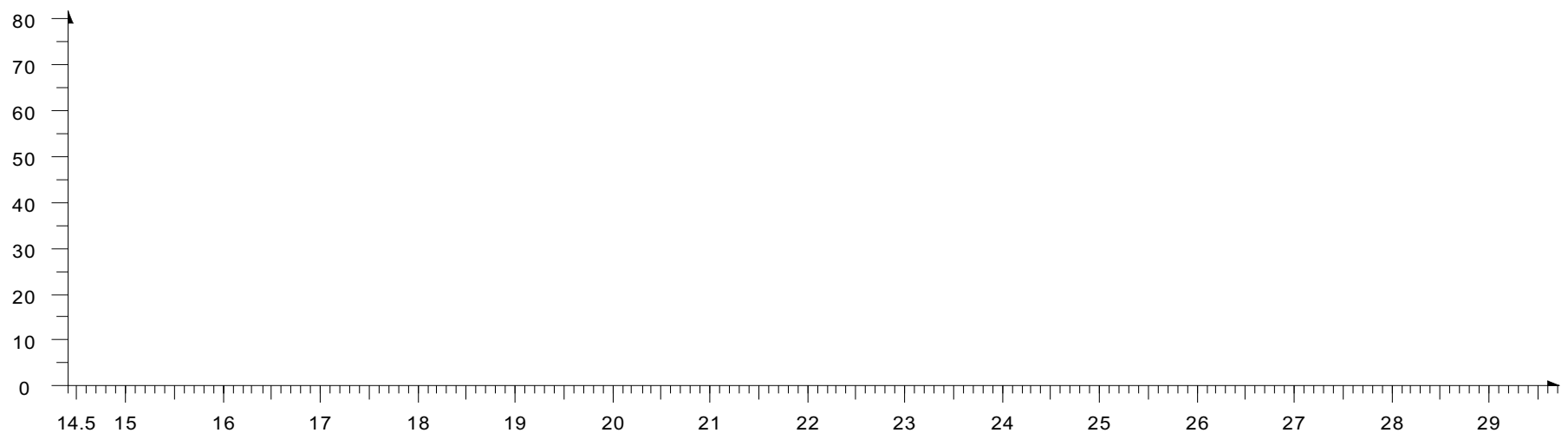
2-Theta - Scale

-  File: KristinSL2140 02.raw
-  File: KristinSL2140 01.raw
-  85-0796 (C) - Quartz - SiO₂
-  42-1340 (*) - Pwrite - FeS₂
-  42-1320 (I) - Arsenopvrite - FeAsS
-  09-0466 (*) - Albite, ordered - NaAlSi₃O₈









-  41-0224 (I) - Bassanite, svn - CaSO₄·0.5H₂O
-  13-0087 (Q) - Feroxyhite, svn - Fe³⁺O(OH)

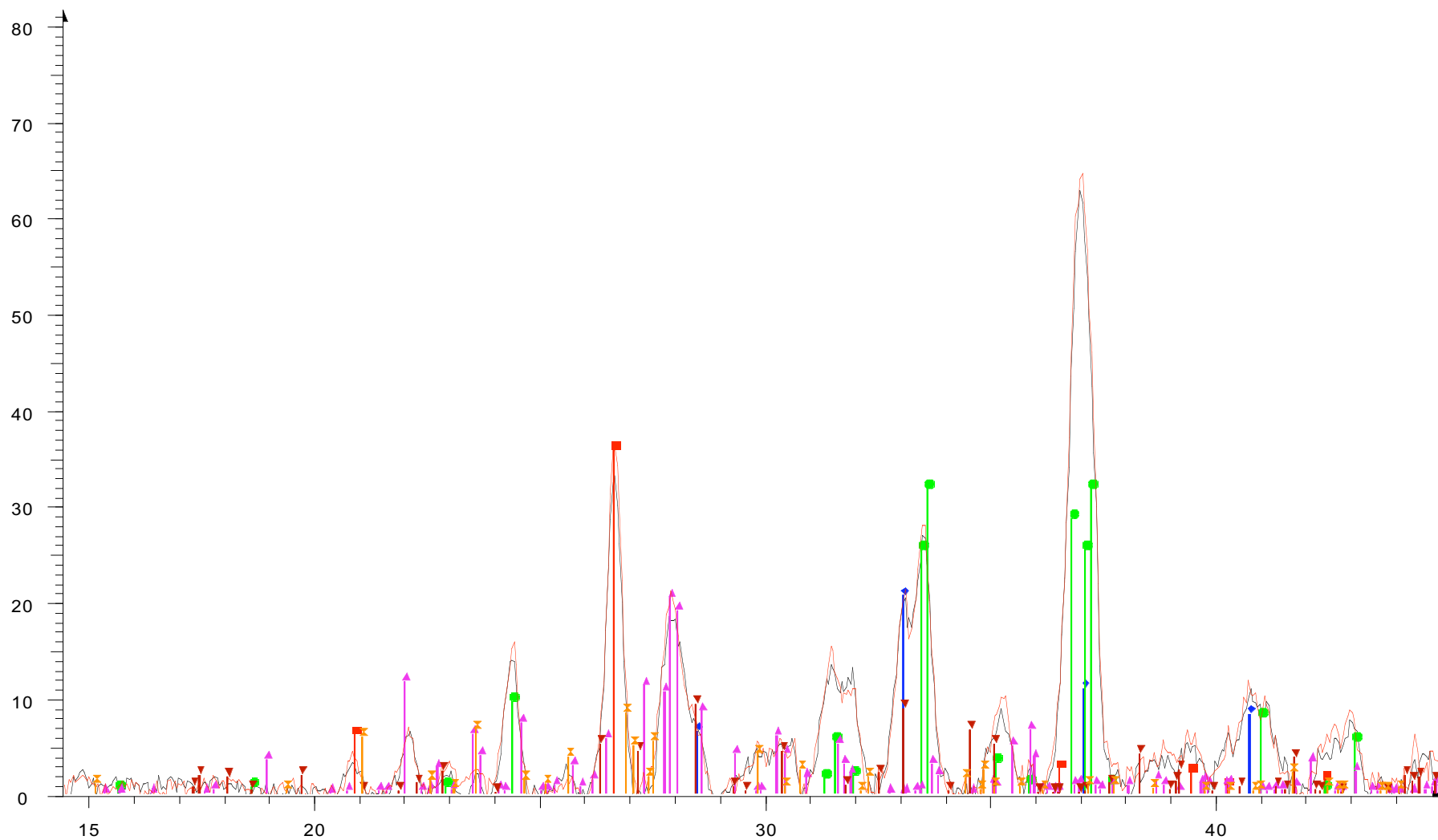


File: KristinSL2140 03.raw
Y + 15.0 mm - File: KristinSL2140 05.raw



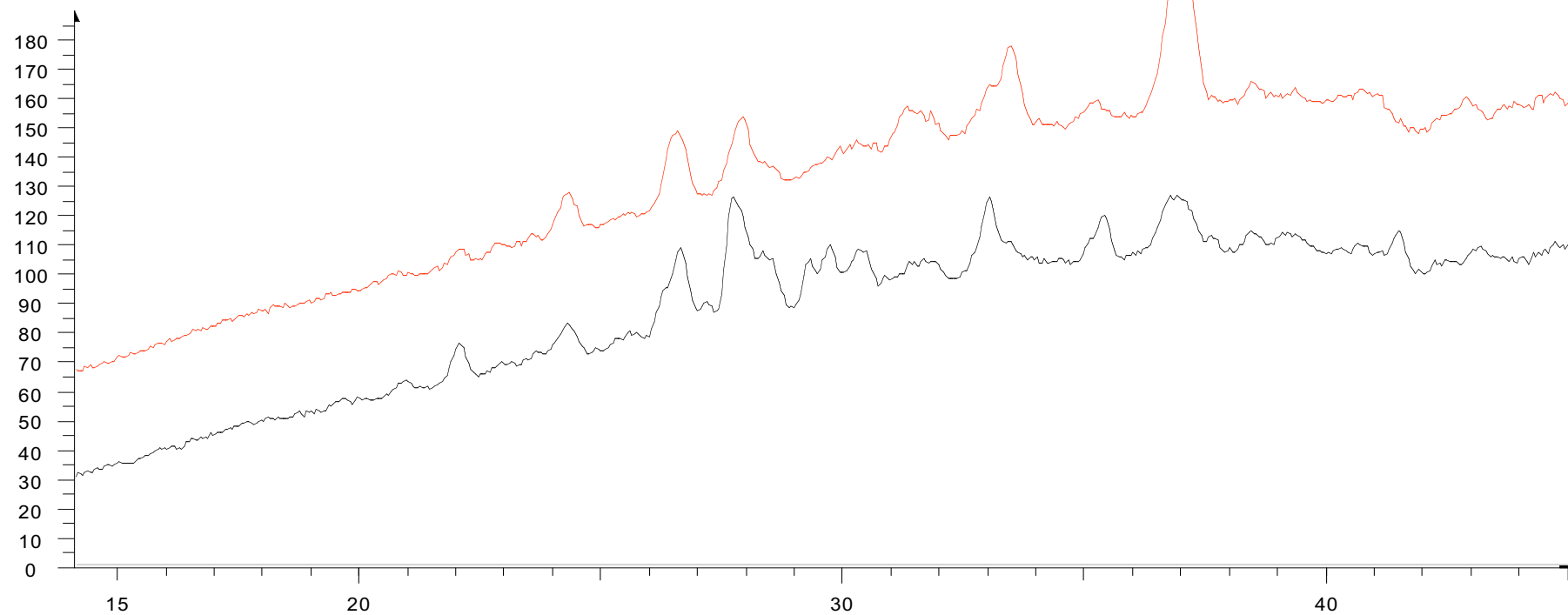
2-Theta - Scale



- | | |
|---|--|
|  File: KristinSL2140 03.raw |  73-1135 (C) - Amphibole - $\text{Al}_3.2\text{Ca}_3.4\text{Fe}_{4.0}\text{K}_6.0\text{Na}_{1.0}\text{Si}_{12.8}$ |
|  File: KristinSL2140 05.raw |  31-0966 (*) - Orthoclase - KAlSi_3O_8 |
|  85-0796 (C) - Quartz - SiO_2 | |
|  42-1340 (*) - Pwrite - FeS_2 | |
|  42-1320 (I) - Arsenopvrite - FeAsS | |
|  86-1705 (C) - Anorthite - $\text{Ca}(\text{Al}_2\text{Si}_2\text{O}_8)$ | |

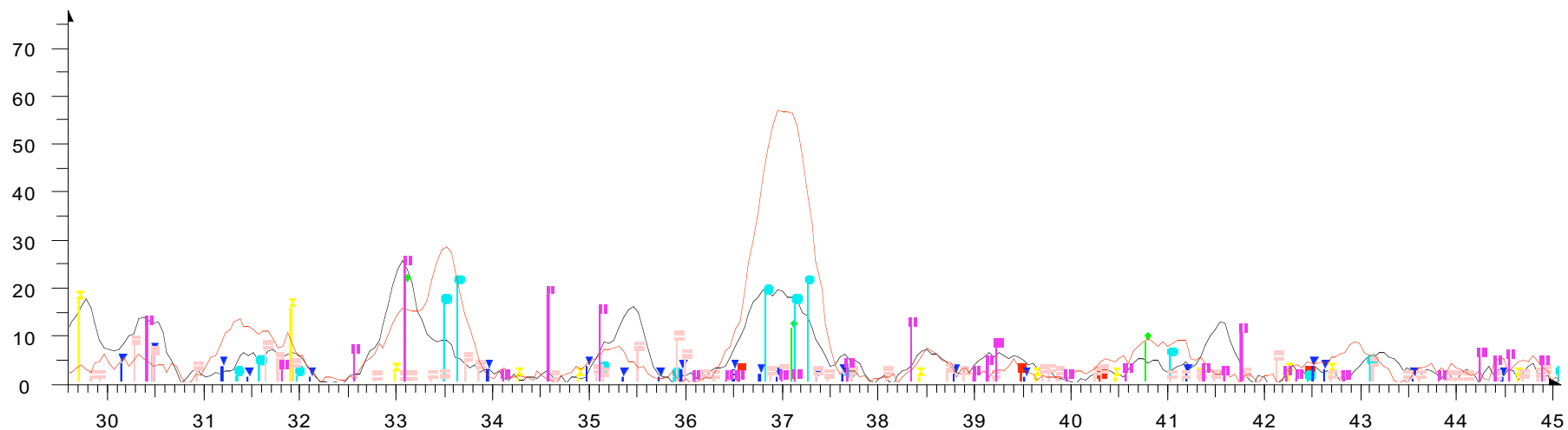
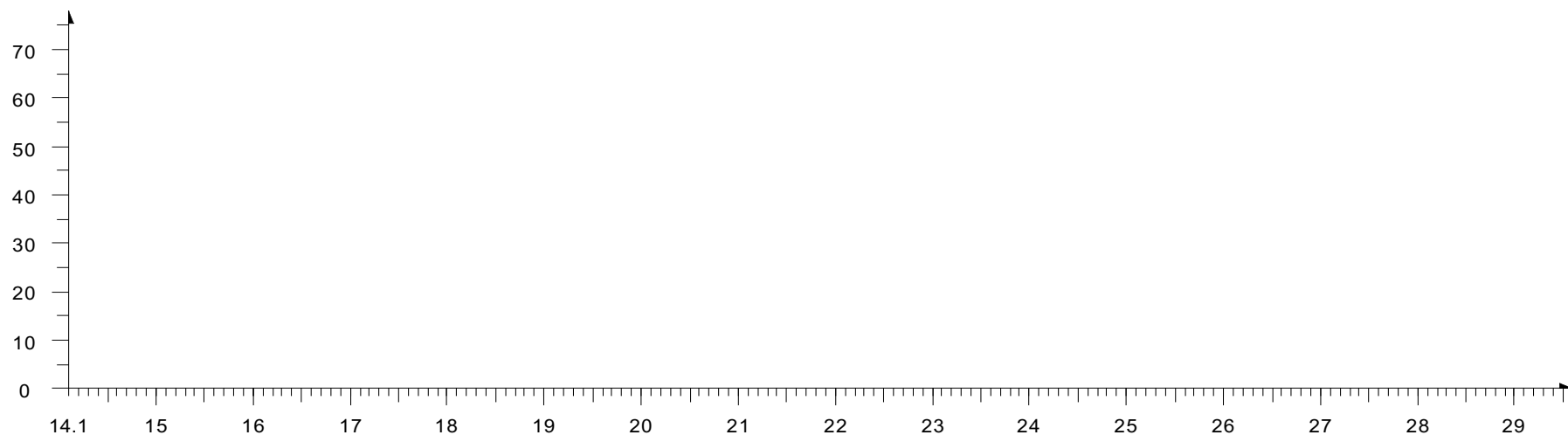


File: KristinSL2140 03.raw
File: KristinSL2140 05.raw
85-0796 (C) - Quartz - SiO₂
42-1340 (*) - Pwrite - FeS₂
42-1320 (I) - Arsenopvrite - FeAsS
86-1705 (C) - Anorthite - Ca(Al₂Si₂O₈)










73-1135 (C) - Amphibole - Al_{3.2}Ca_{3.4}Fe_{4.0}K_{0.6}Mg_{6.0}Na_{1.0}Si_{12.8}
31-0966 (*) - Orthoclase - KAlSi₃O₈

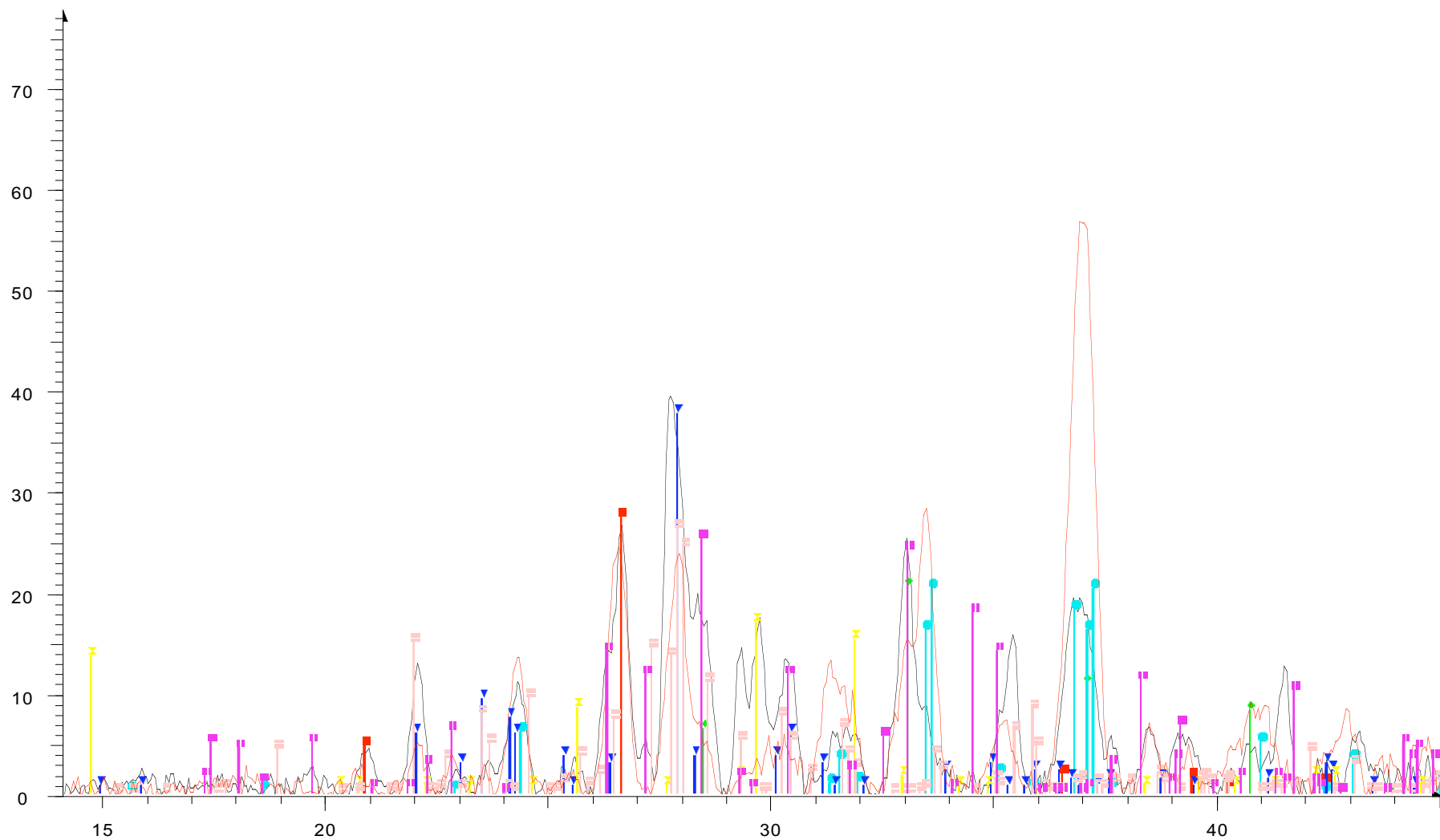











 File: KristinSL2140 08.raw
 Y + 15.0 mm - File: KristinSL2140 10.raw

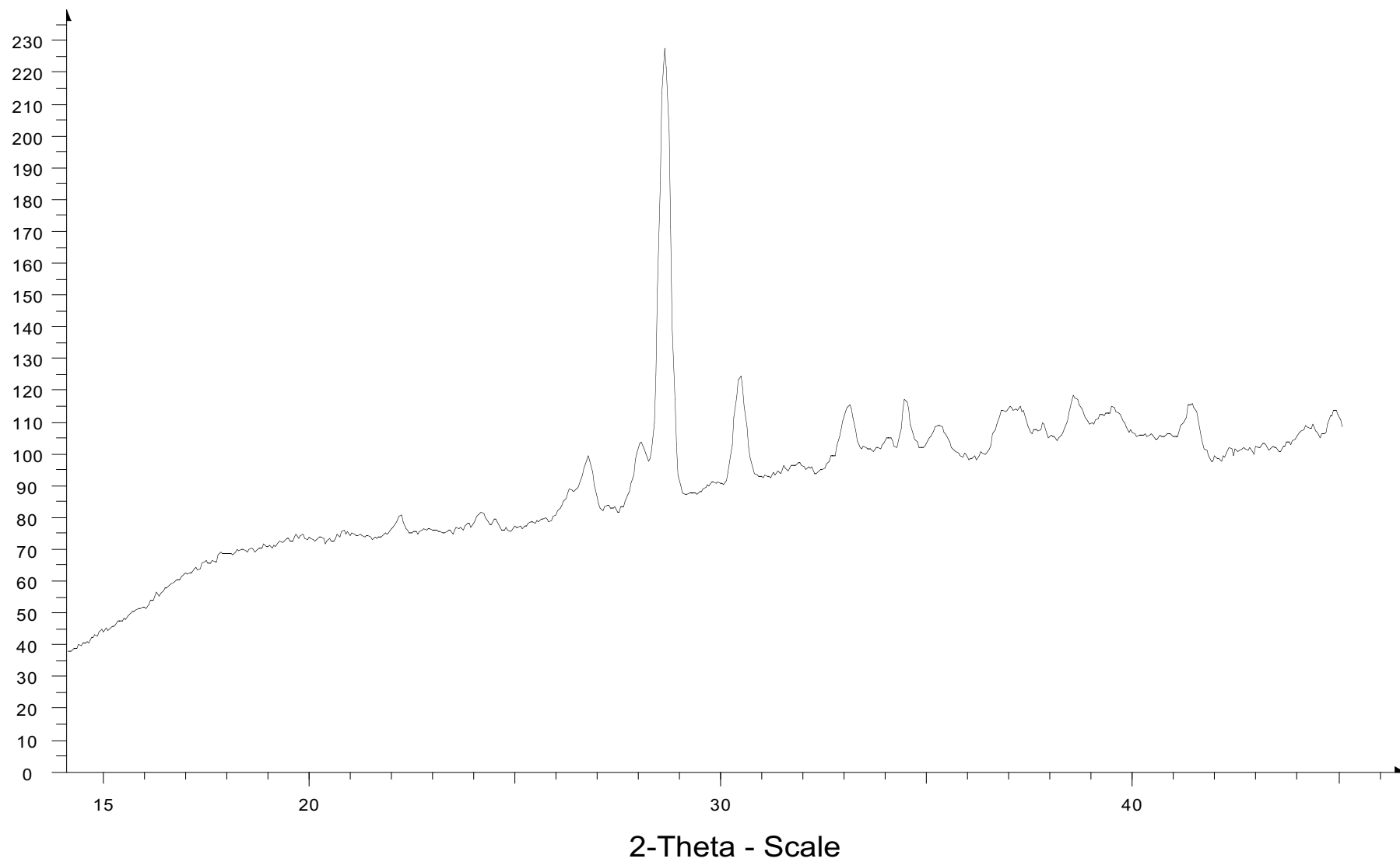


2-Theta - Scale

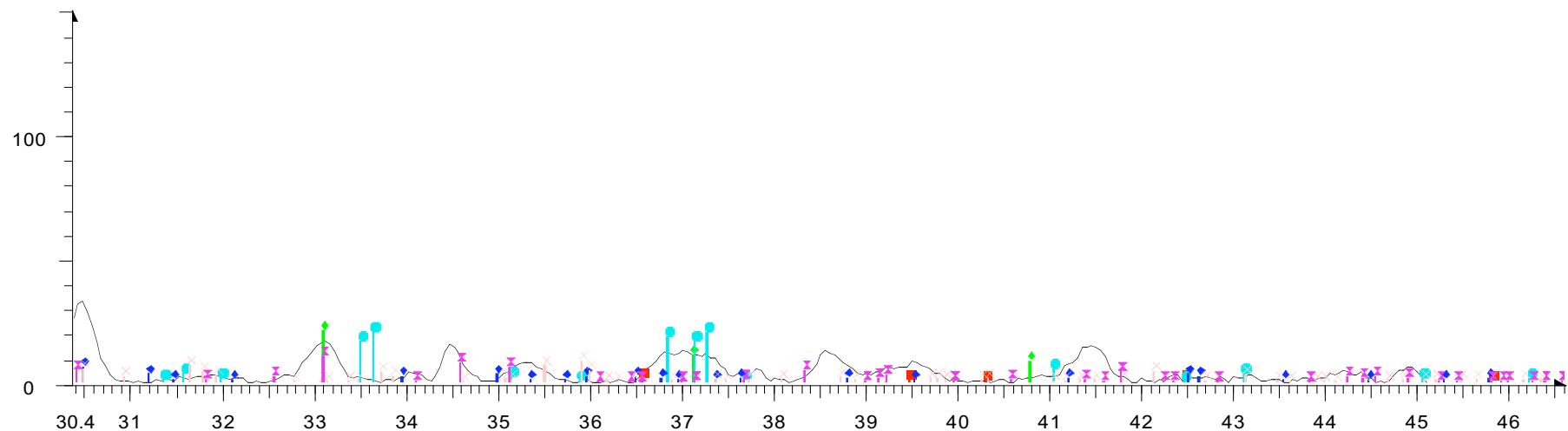
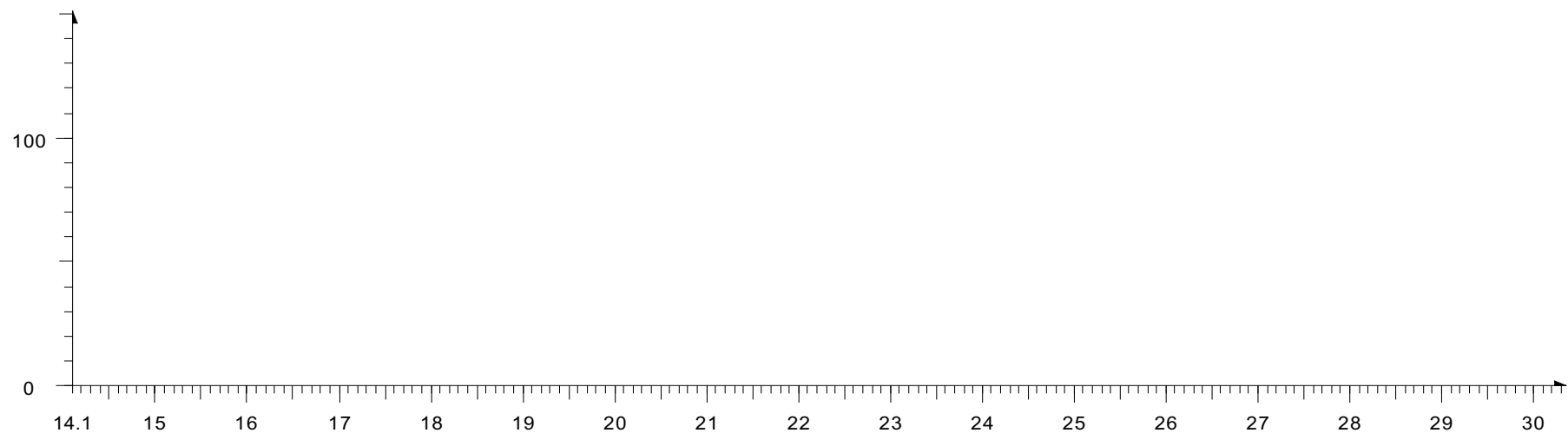
- | | |
|---|---|
|  File: KristinSL2140 08.raw |  41-0224 (I) - Bassanite, syn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$ |
|  File: KristinSL2140 10.raw |  86-1705 (C) - Anorthite - $\text{Ca}(\text{Al}_2\text{Si}_2\text{O}_8)$ |
|  85-0796 (C) - Quartz - SiO_2 |  73-1135 (C) - Amphibole - $\text{Al}_{3.2}\text{Ca}_{3.4}\text{Fe}_{4.0}\text{K}_{0.6}\text{Mg}_{6.0}\text{Na}_{1.0}\text{Si}_{12.8}$ |
|  42-1340 (*) - Pwrite - FeS_2 | |
|  42-1320 (I) - Arsenopvrite - FeAsS | |
|  09-0466 (*) - Albite, ordered - $\text{NaAlSi}_3\text{O}_8$ | |



- | | |
|---|---|
|  File: KristinSL2140 08.raw |  41-0224 (I) - Bassanite, svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$ |
|  File: KristinSL2140 10.raw |  86-1705 (C) - Anorthite - $\text{Ca}(\text{Al}_2\text{Si}_2\text{O}_8)$ |
|  85-0796 (C) - Quartz - SiO_2 |  73-1135 (C) - Amphibole - $\text{Al}_{3.2}\text{Ca}_{3.4}\text{Fe}_{4.0}\text{K}_{0.6}\text{Mg}_{6.0}\text{Na}_{1.0}\text{Si}_{12.8}$ |
|  42-1340 (*) - Pwrite - FeS_2 | |
|  42-1320 (I) - Arsenopvrite - FeAsS | |
|  09-0466 (*) - Albite, ordered - $\text{NaAlSi}_3\text{O}_8$ | |



 File: KristinSL2140 07.raw



2-Theta - Scale



File: KristinSL2140 07.raw



85-0796 (C) - Quartz - SiO₂



42-1340 (*) - Pyrite - FeS₂



42-1320 (I) - Arsenopyrite - FeAsS



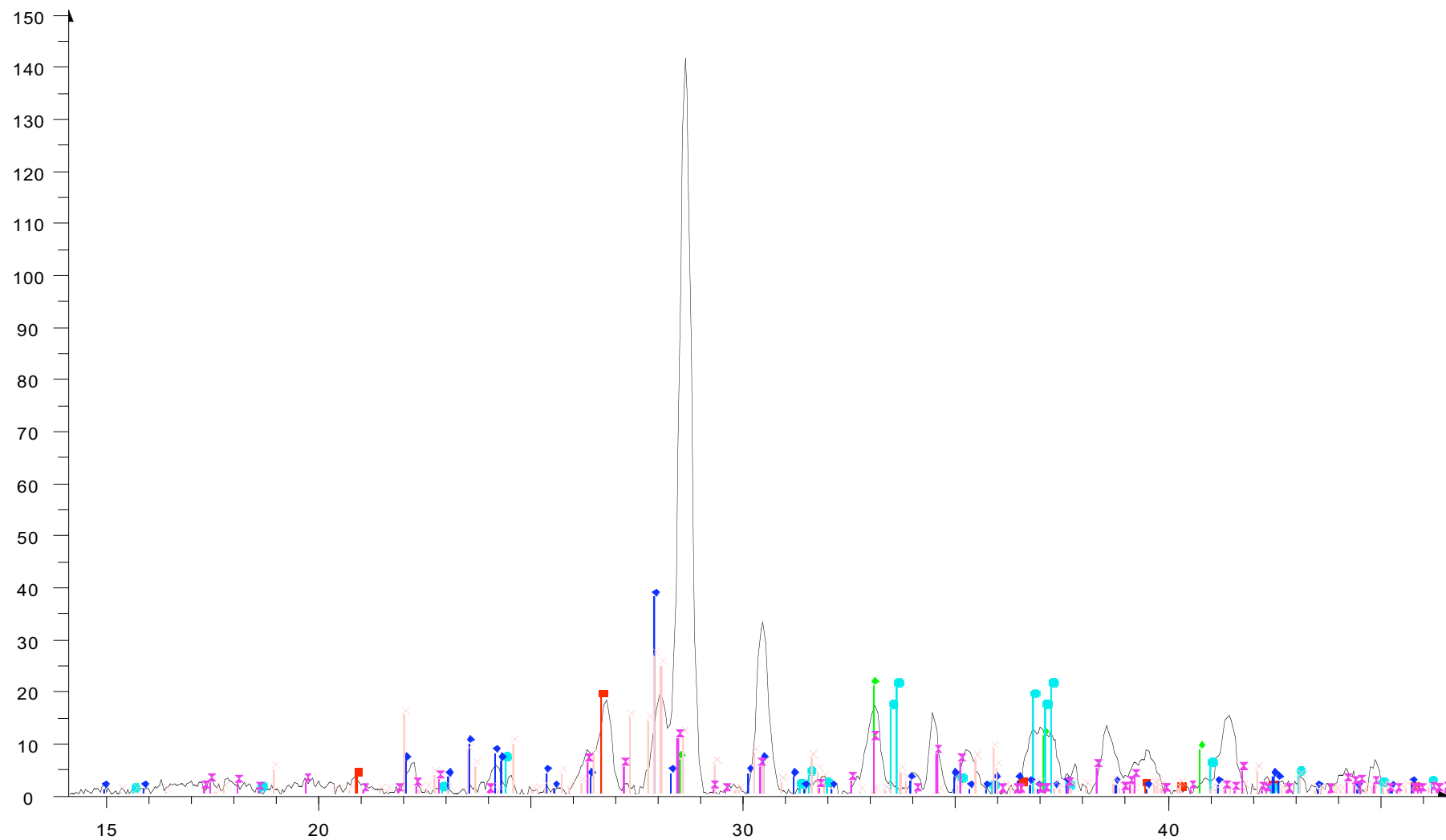
09-0466 (*) - Albite, ordered - NaAlSi₃O₈



86-1705 (C) - Anorthite - Ca(Al₂Si₂O₈)



73-1135 (C) - Amphibole - Al_{3.2}Ca_{3.4}Fe_{4.0}K_{.6}Mn_{6.0}Na_{1.0}Si_{12.8}



2-Theta - Scale



File: KristinSL2140 07.raw



85-0796 (C) - Quartz - SiO₂



42-1340 (*) - Pyrite - FeS₂



42-1320 (I) - Arsenopyrite - FeAsS



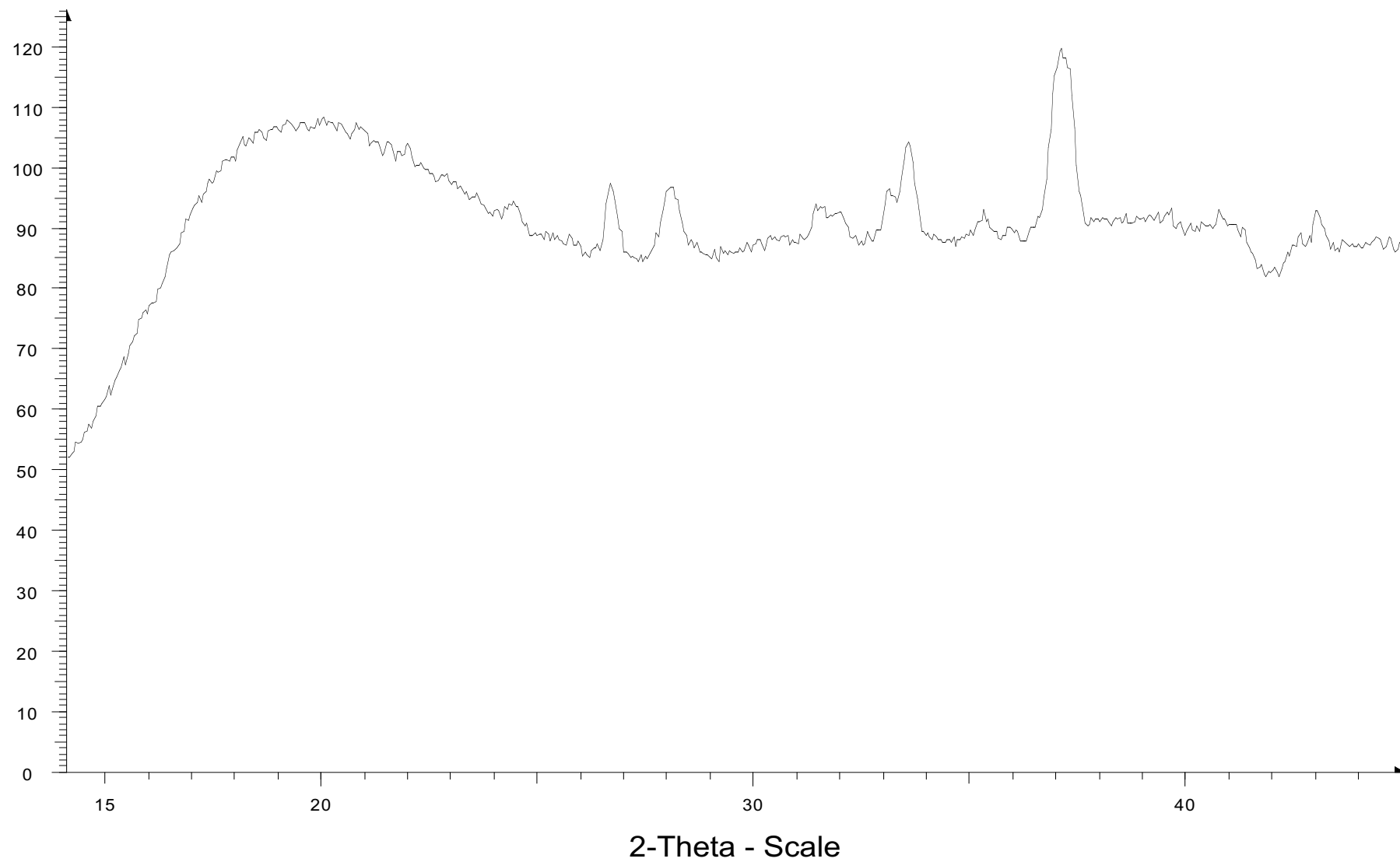
09-0466 (*) - Albite, ordered - NaAlSi₃O₈



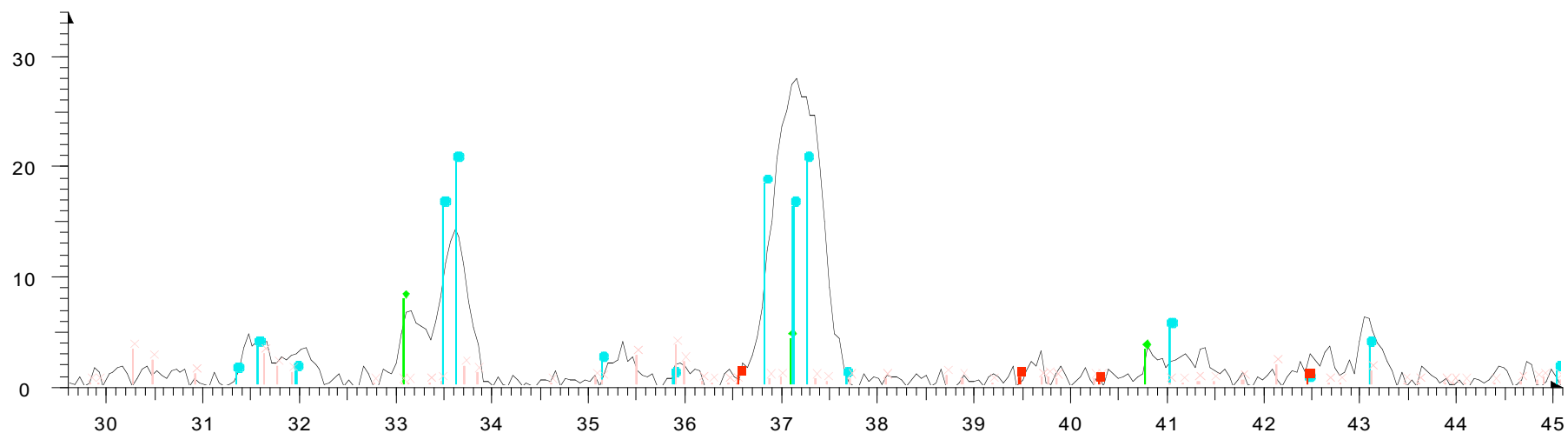
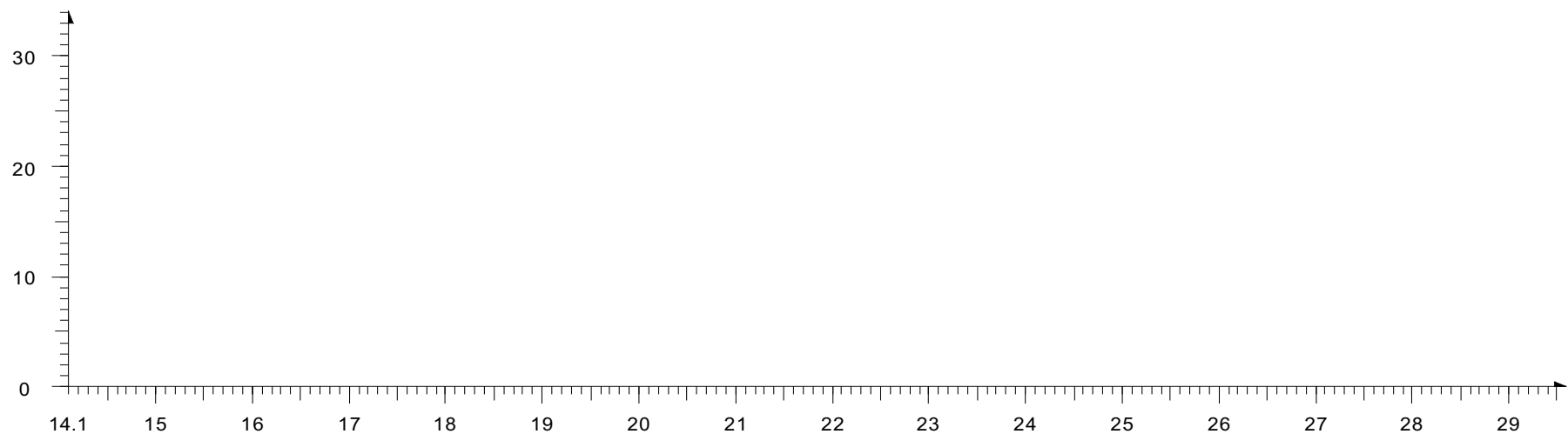
86-1705 (C) - Anorthite - Ca(Al₂Si₂O₈)








73-1135 (C) - Amphibole - Al_{3.2}Ca_{3.4}Fe_{4.0}K_{0.6}Mg_{6.0}Na_{1.0}Si_{12.8}

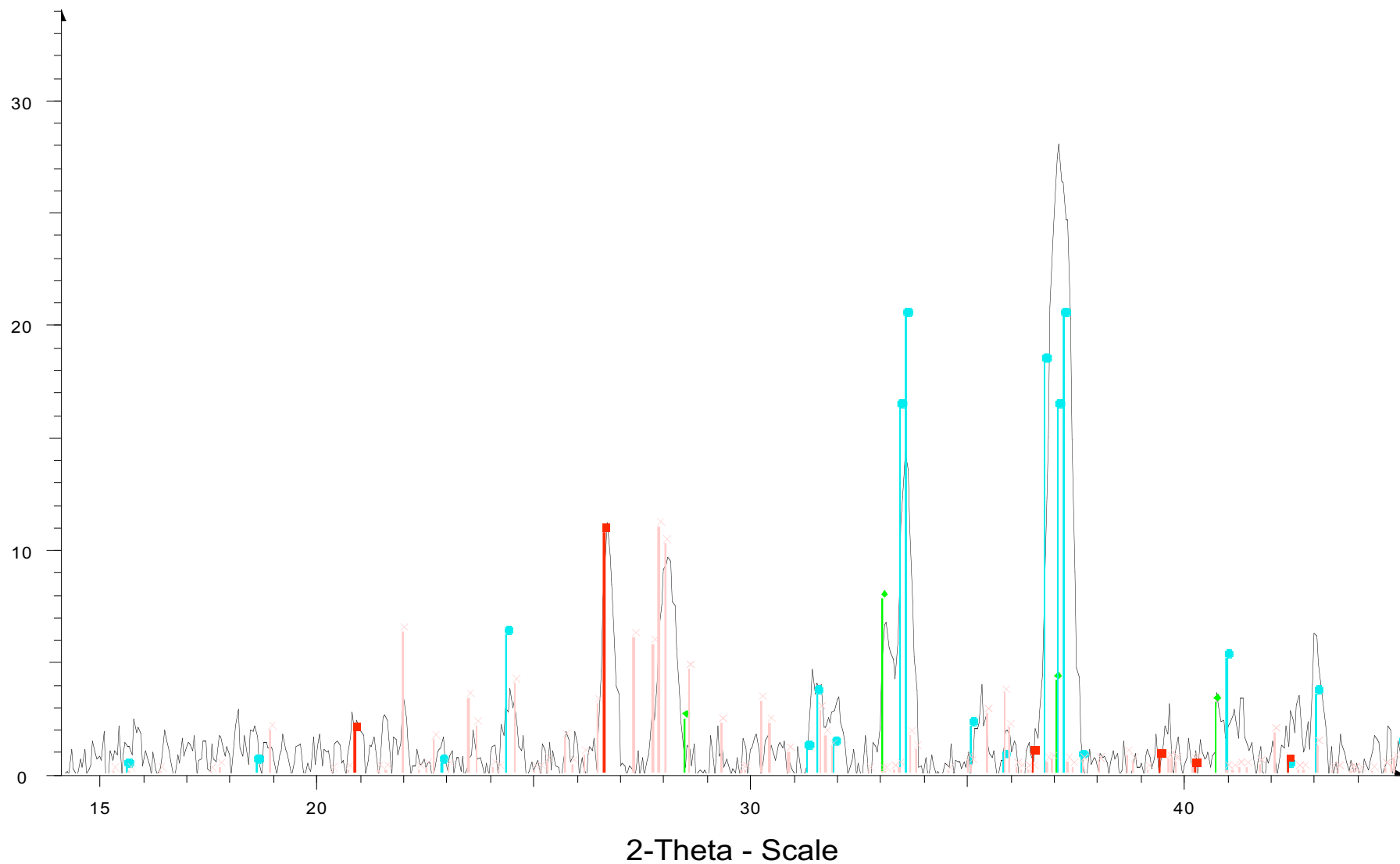







 File: KristinSL2140 06.raw

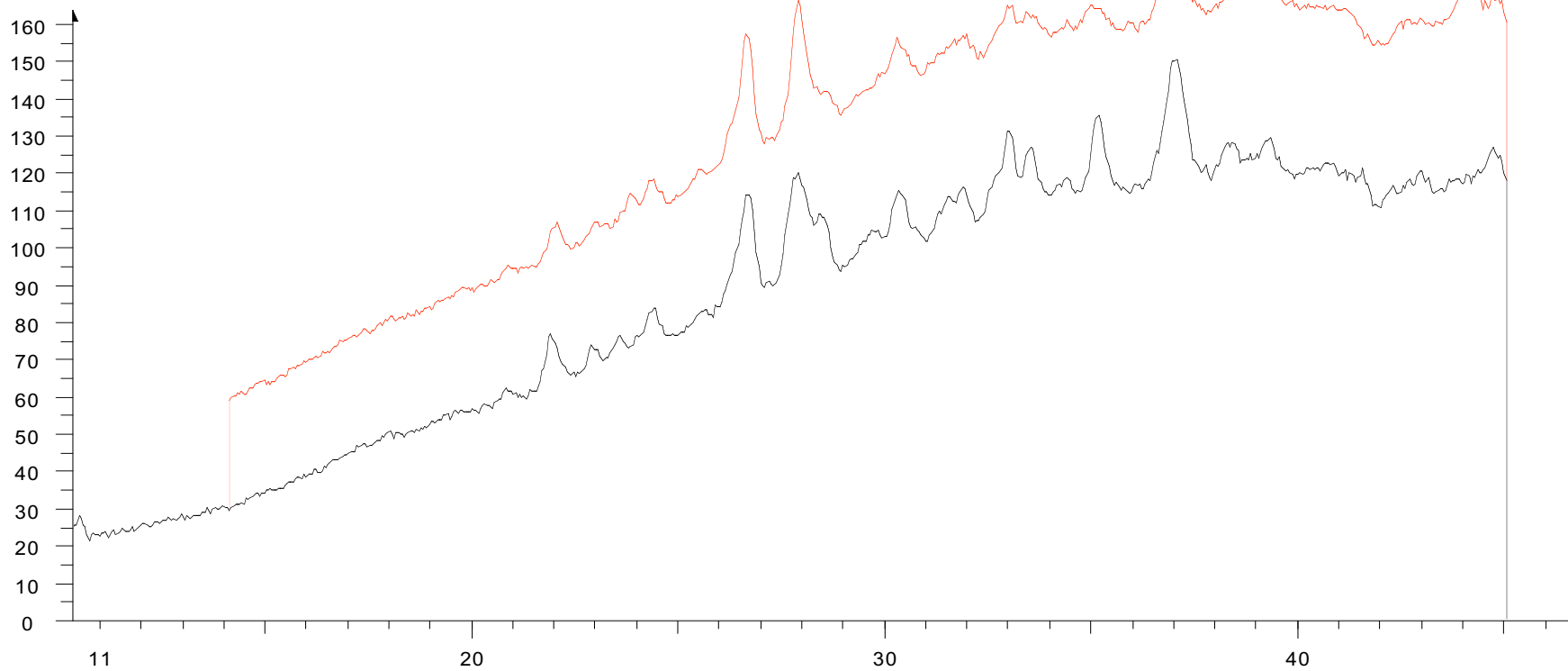


2-Theta - Scale

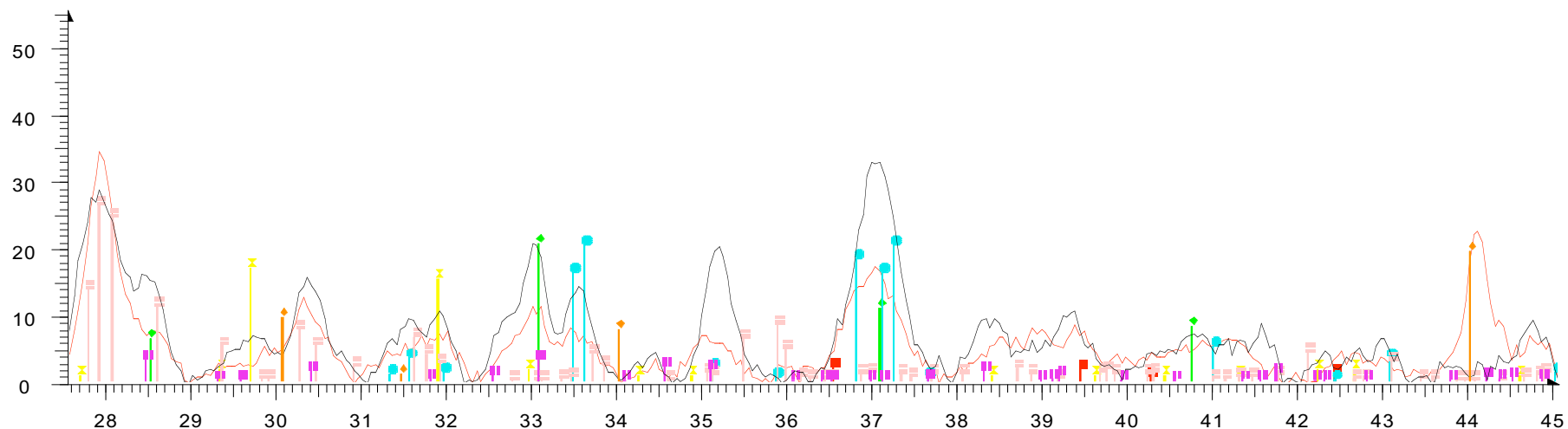
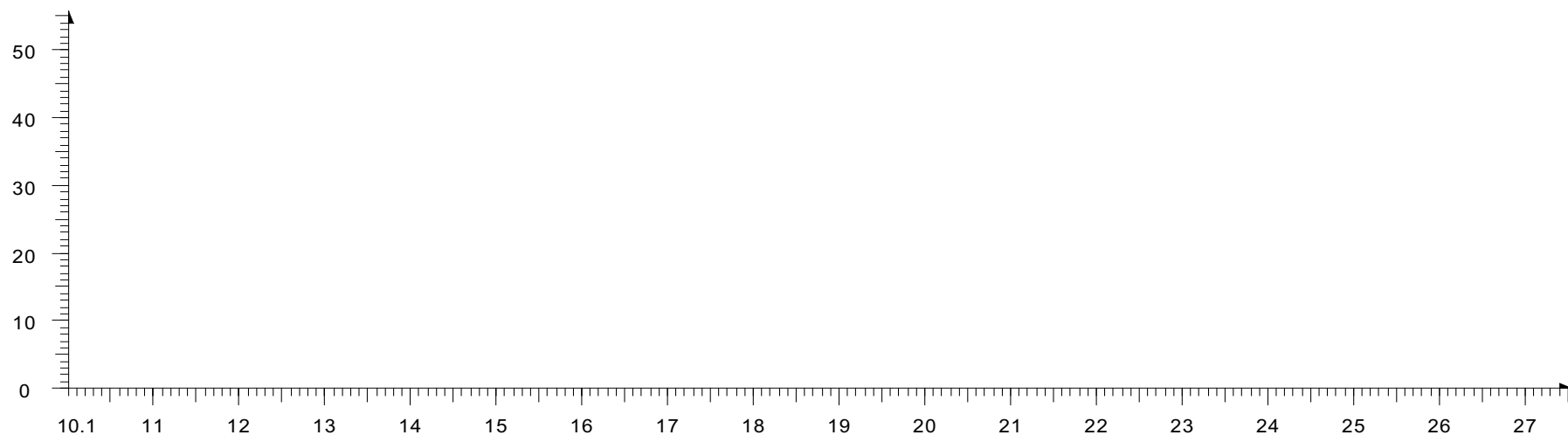
-  File: KristinSL2140 06.raw
-  85-0796 (C) - Quartz - SiO₂
-  42-1340 (*) - Pvrite - FeS₂
-  42-1320 (I) - Arsenopyrite - FeAsS
-  86-1705 (C) - Anorthite - Ca(Al₂Si₂O₈)












-  File: KristinSL2140 06.raw
-  85-0796 (C) - Quartz - SiO₂
-  42-1340 (*) - Pprite - FeS₂
-  42-1320 (I) - Arsenopyrite - FeAsS
-  86-1705 (C) - Anorthite - Ca(Al₂Si₂O₈)

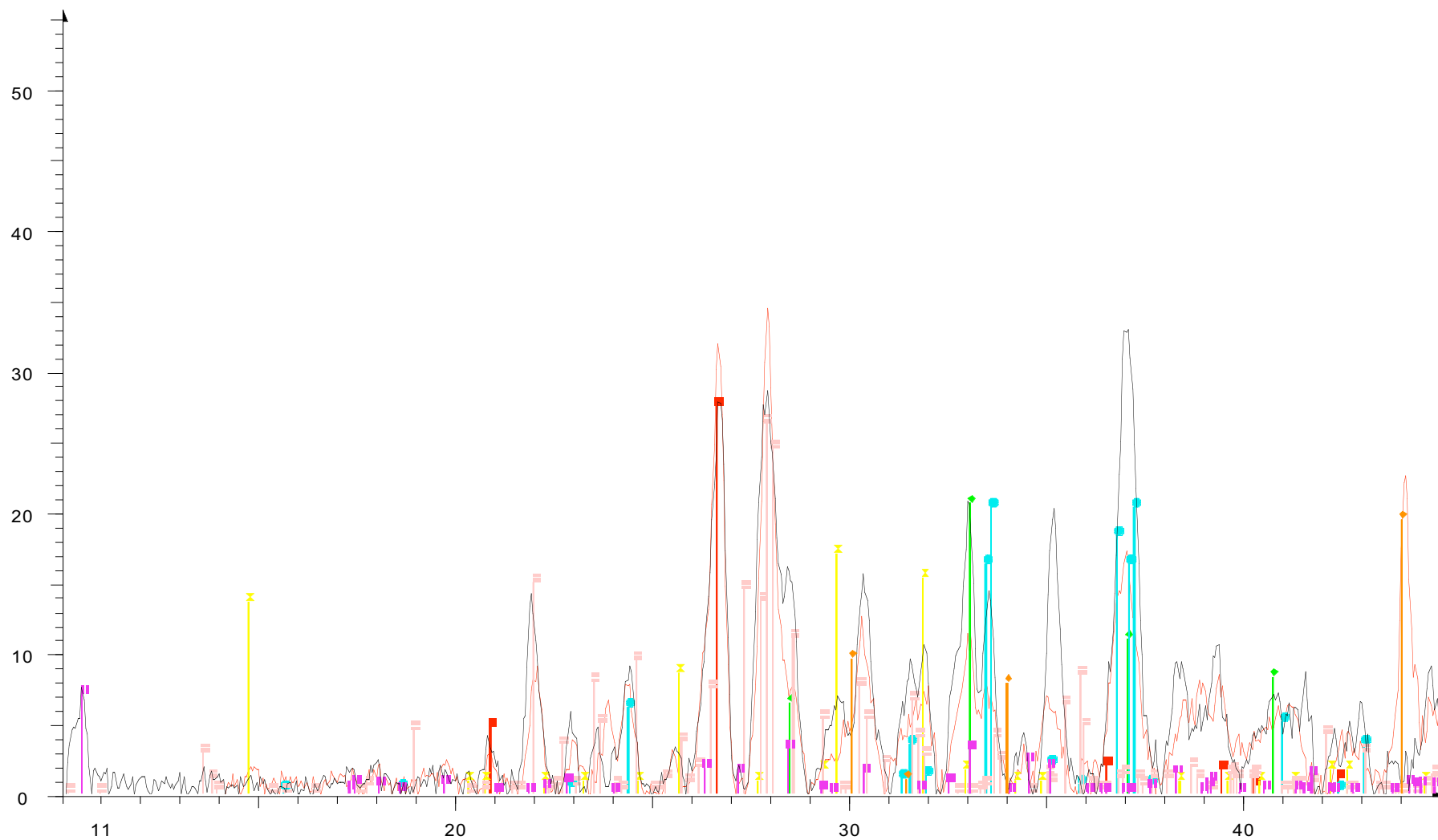











File: KristinSL2140 11.raw
Y + 15.0 mm - File: KristinSL2140 09.raw



2-Theta - Scale

- | | |
|--|---|
|  File: KristinSL2140 11.raw |  86-1705 (C) - Anorthite - $\text{Ca}(\text{Al}_2\text{Si}_2\text{O}_8)$ |
|  File: KristinSL2140 09.raw |  73-1135 (C) - Amphibole - $\text{Al}_3.2\text{Ca}_3.4\text{Fe}_{4.0}\text{K}_{0.6}\text{Mg}_{6.0}\text{Na}_{1.0}\text{Si}_{12.8}$ |
|  85-0796 (C) - Quartz - SiO_2 |  75-0600 (C) - Pyrrhotite - $\text{Fe}_{95}\text{S}_{105}$ |
|  42-1340 (*) - Pyrite - FeS_2 | |
|  42-1320 (I) - Arsenopyrite - FeAsS | |
|  41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$ | |



- | | |
|--|---|
|  File: KristinSL2140 11.raw |  86-1705 (C) - Anorthite - $\text{Ca}(\text{Al}_2\text{Si}_2\text{O}_8)$ |
|  File: KristinSL2140 09.raw |  73-1135 (C) - Amphibole - $\text{Al}_3.2\text{Ca}_3.4\text{Fe}_{4.0}\text{K}_{0.6}\text{Mg}_{6.0}\text{Na}_{1.0}\text{Si}_{12.8}$ |
|  85-0796 (C) - Quartz - SiO_2 |  75-0600 (C) - Prrhotite - $\text{Fe}_{0.95}\text{S}_{1.05}$ |
|  42-1340 (*) - Prrhotite - FeS_2 | |
|  42-1320 (I) - Arsenopyrite - FeAsS | |
|  41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$ | |