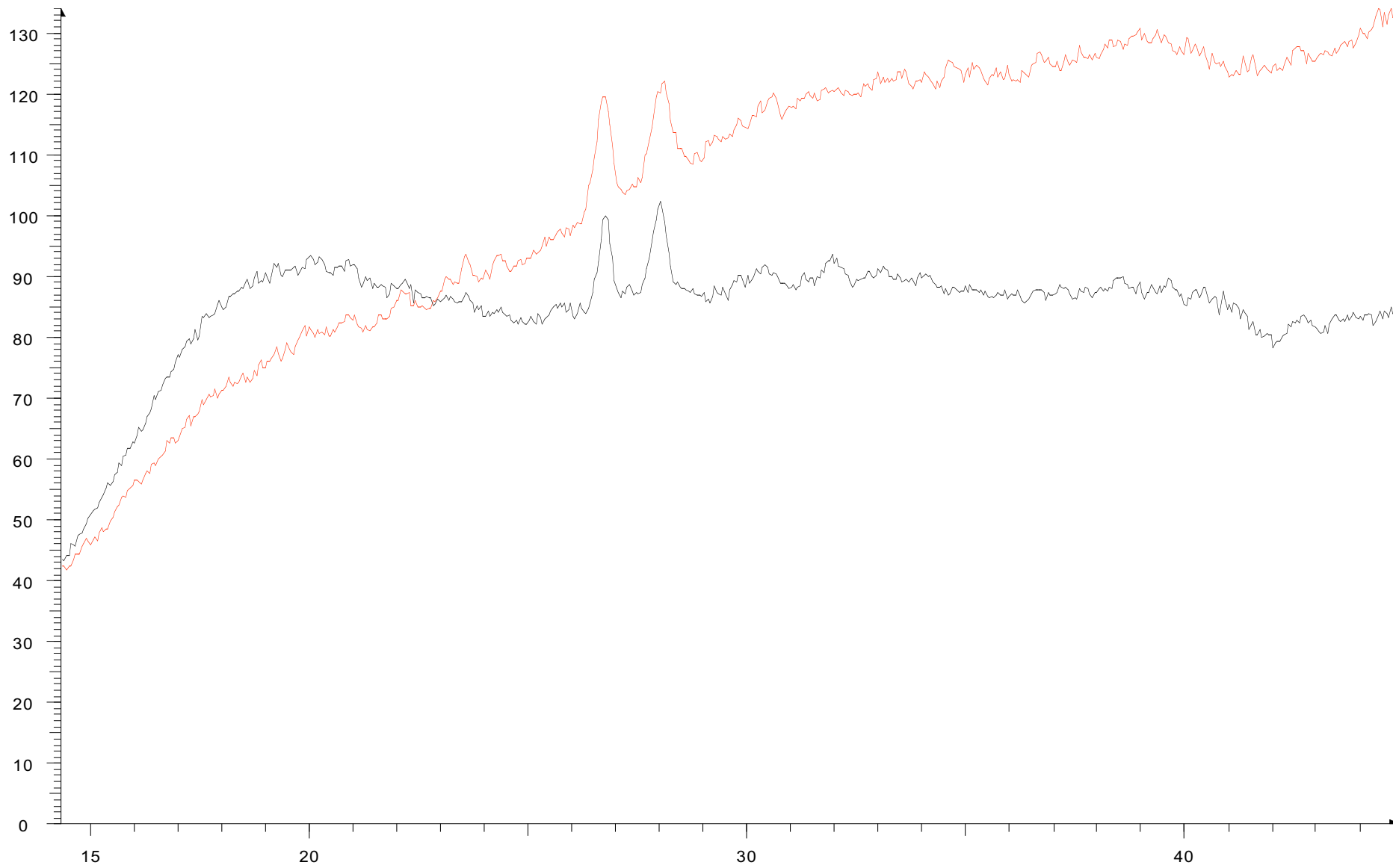


Sample ID:	S3
Zone:	Highly altered material
Material identified:	Scorodite, primary silicates primary sulfides
Type of radiation	CuK_1+K_2 = 1.54184Å
Power	40 kV x 40 mA
Type of scan	2_ (2 Omega)
Beam diameter	500 um
2_ range	6° - 21.5°
Time	20 minutes

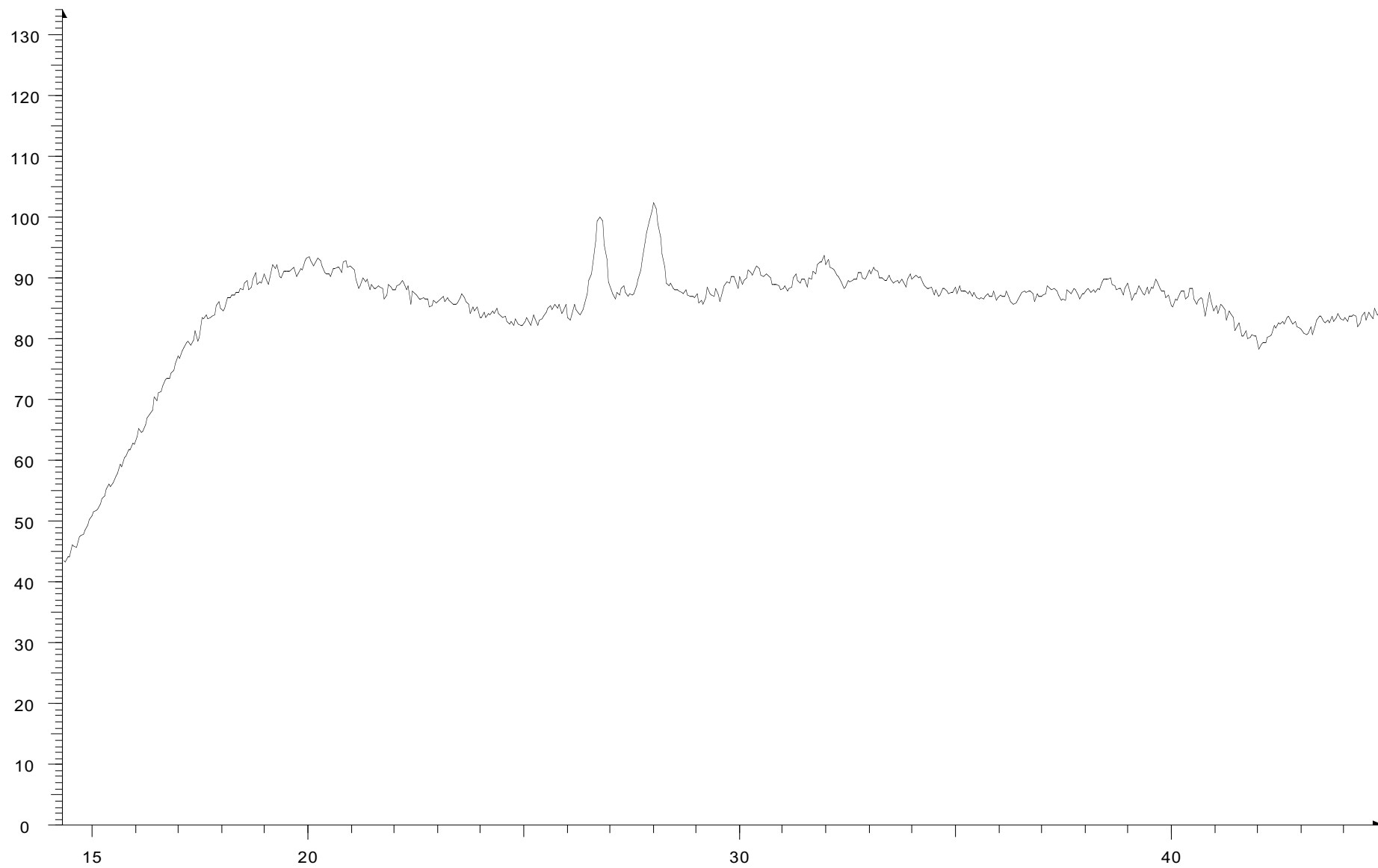
# SAMPLE / DIFFRACTOGRAM INVENTORY

Sample ID	Spot ID	Zone	Notes	Sample ID	Spot ID	Zone	Notes
S3	1	1	heterogeneous reddish grey brown, center of grain	S3	17	3	yellow brown between black material and gypsum
S3	2	1	heterogeneous reddish grey brown, several inclusions	S3	18	3	yellow and red brown
S3	3	1	heterogeneous reddish grey brown, slightly more homogeneous	S3	19	3	yellow in red brown
S3	4	1	reddish brown heterogeneous material - diffuses light readily	S3	20	4	small blob - yellow green
S3	5	1	reddish brown heterogeneous material	S3	21	4	small blob - yellow green
S3	6	2	yellow material	S3	22	4	small blob - yellow green
S3	7	2	dark reddish brown	S3	23	4	large blob - yellow green
S3	8	2	yellow material	S3	24	4	large blob - yellow green
S3	9	2	greyish / reddish brown	S3	25	4	heterogeneous large blob, yellow green
S3	11	2	light yellowish brown with inclusions	S3	26	4	red material btwn two yellow blobs
S3	12	2	as above, with no inclusions	S3	27	4	pale yellow / red brown material
S3	13	2	reddish brown	S3	28	5	yellow / reddish brown
S3	14	3	yellow brown	S3	29	5	yellow / reddish brown
S3	15	3	yellow brown with inclusions	S3	30	5	yellow / reddish brown
S3	16	3	yellow / reddish brown	S3	31	5	homogeneous red brown - readily diffuses light
				S3	32	5	gypsum
				S3	33	5	gypsum

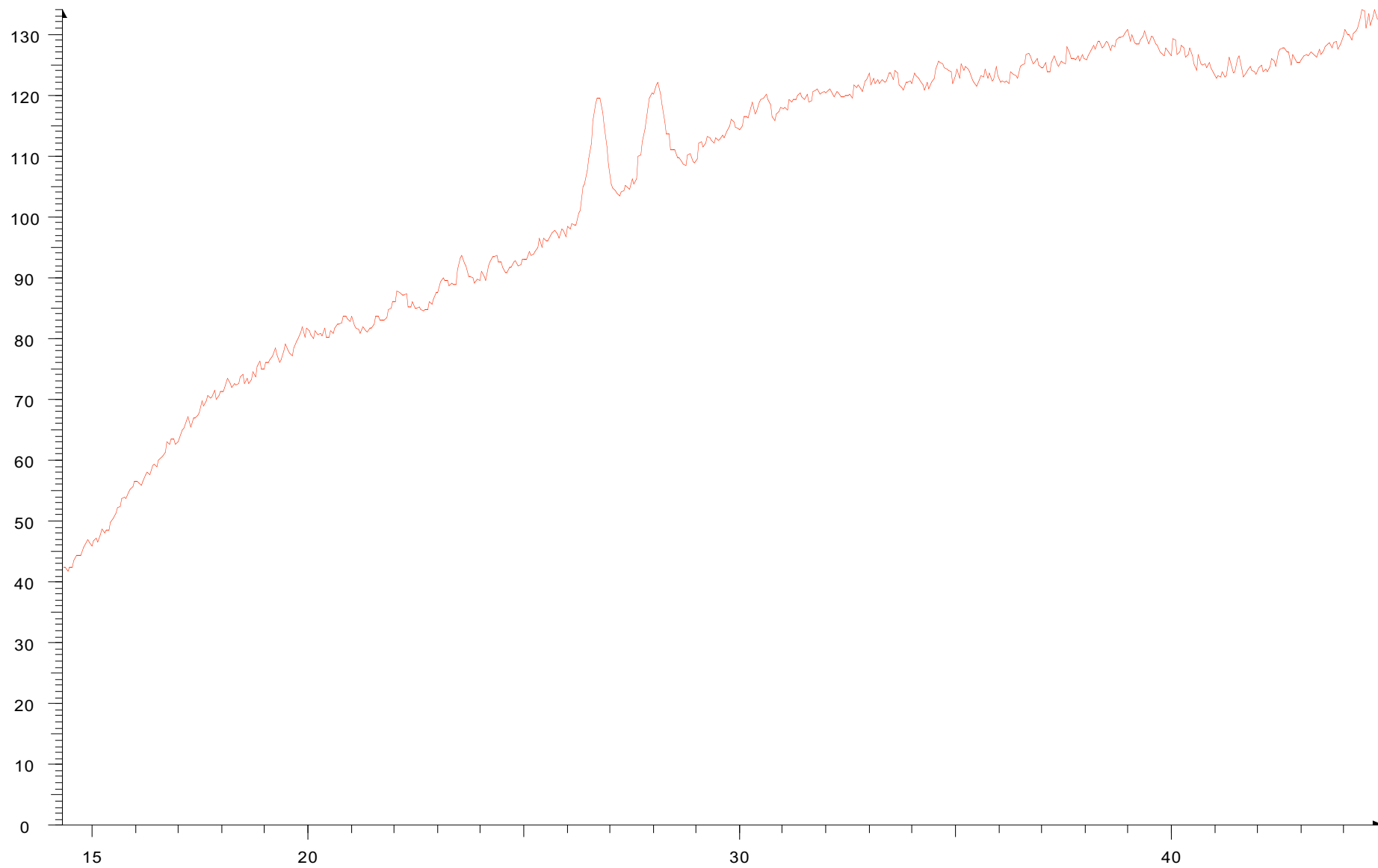


File: KristinBMS3 01.raw  
File: KristinBMS3 02.raw

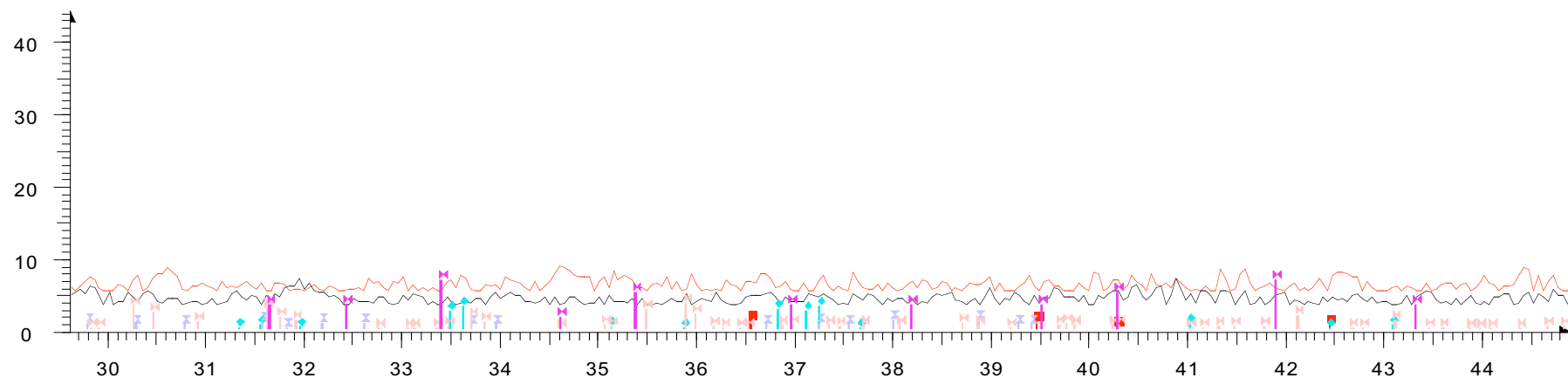
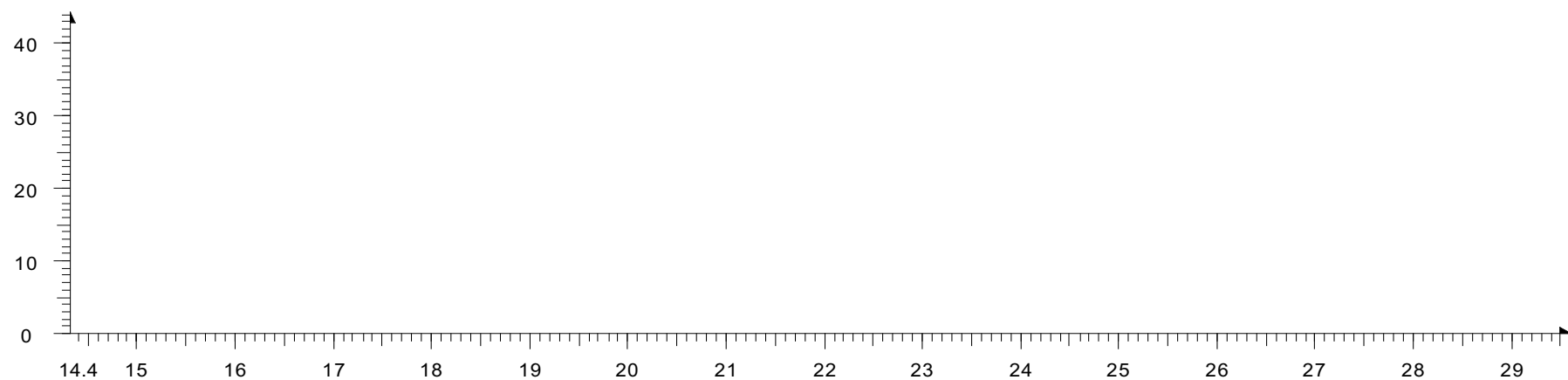
$2\theta$  - Scale










 File: KristinBMS3 01.raw

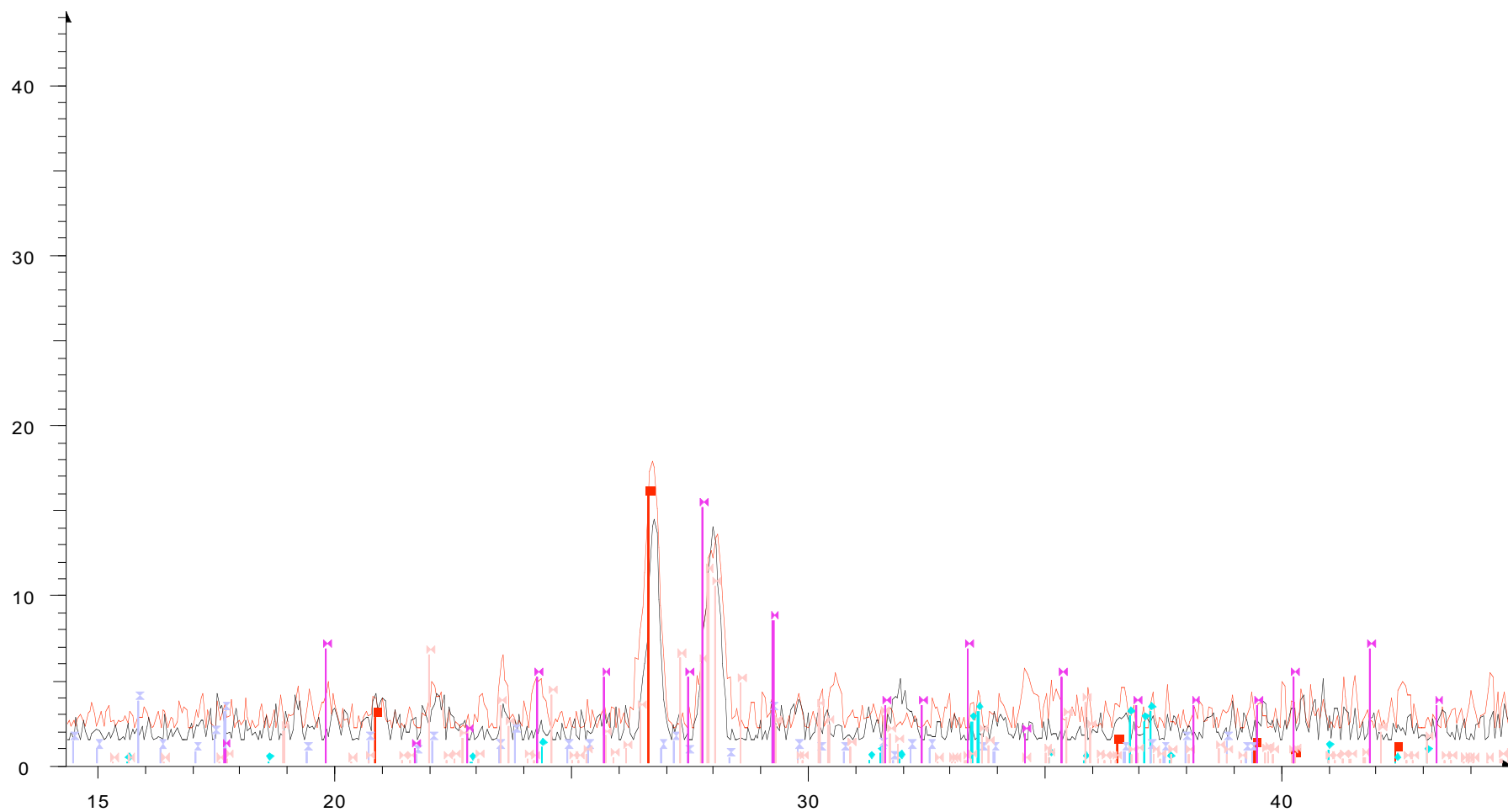


 File: KristinBMS3 02.raw










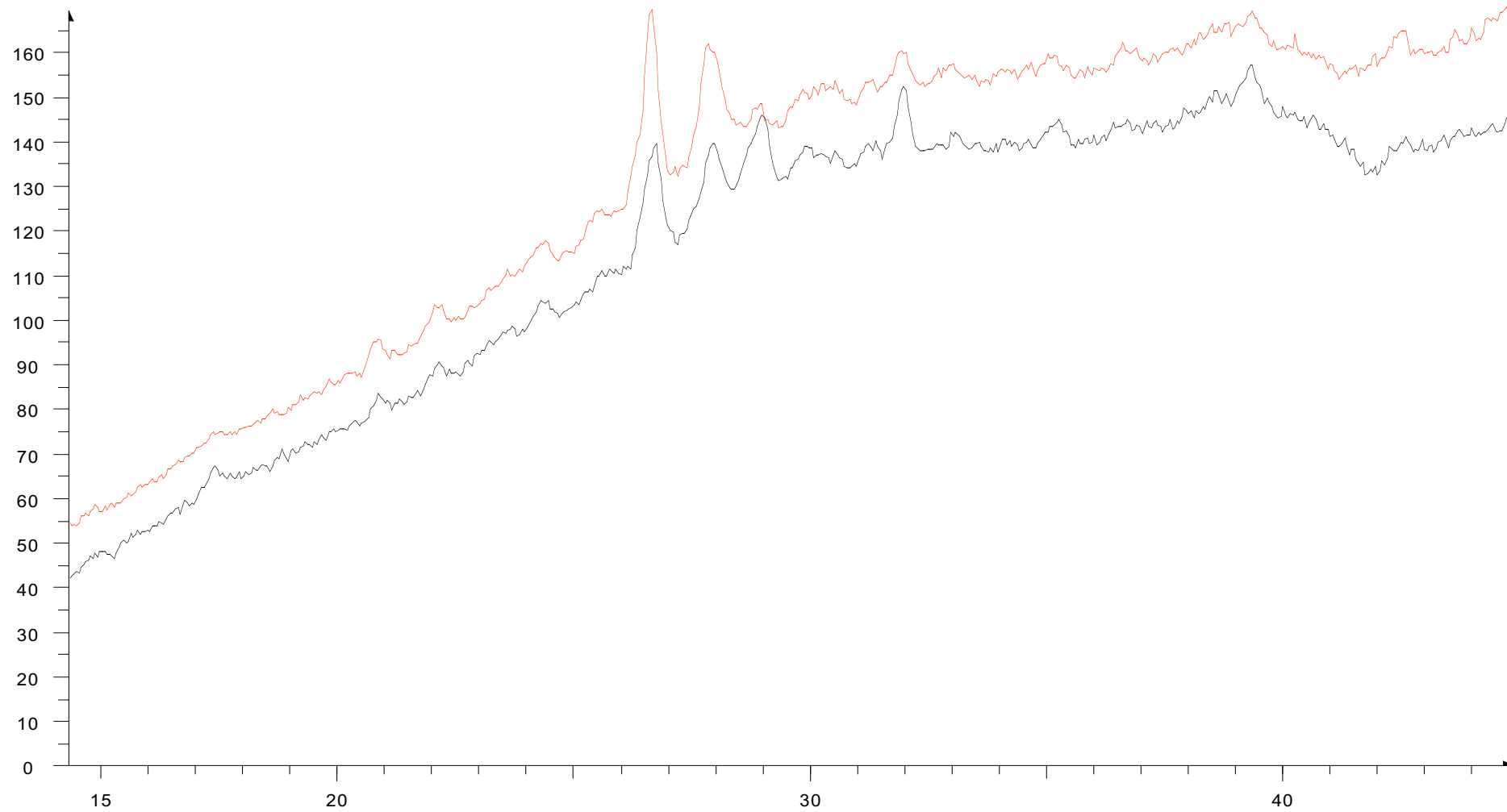
2-Theta - Scale

-  Y + 4.0 mm - File: KristinBMS3 01.raw
-  Y + 6.0 mm - File: KristinBMS3 02.raw
-  85-0796 (C) - Quartz - SiO<sub>2</sub>
-  42-1320 (I) - Arsenopyrite - FeAsS
-  51-1495 (I) - Zvkaite - Fe<sub>4</sub>(AsO<sub>4</sub>)<sub>3</sub>(SO<sub>4</sub>)(OH)·15H<sub>2</sub>O
-  86-1705 (C) - Anorthite - Ca(Al<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>)
-  44-1468 (N) - Tooeleite - Fe<sub>8</sub>(AsO<sub>4</sub>)<sub>6</sub>(OH)6·5H<sub>2</sub>O



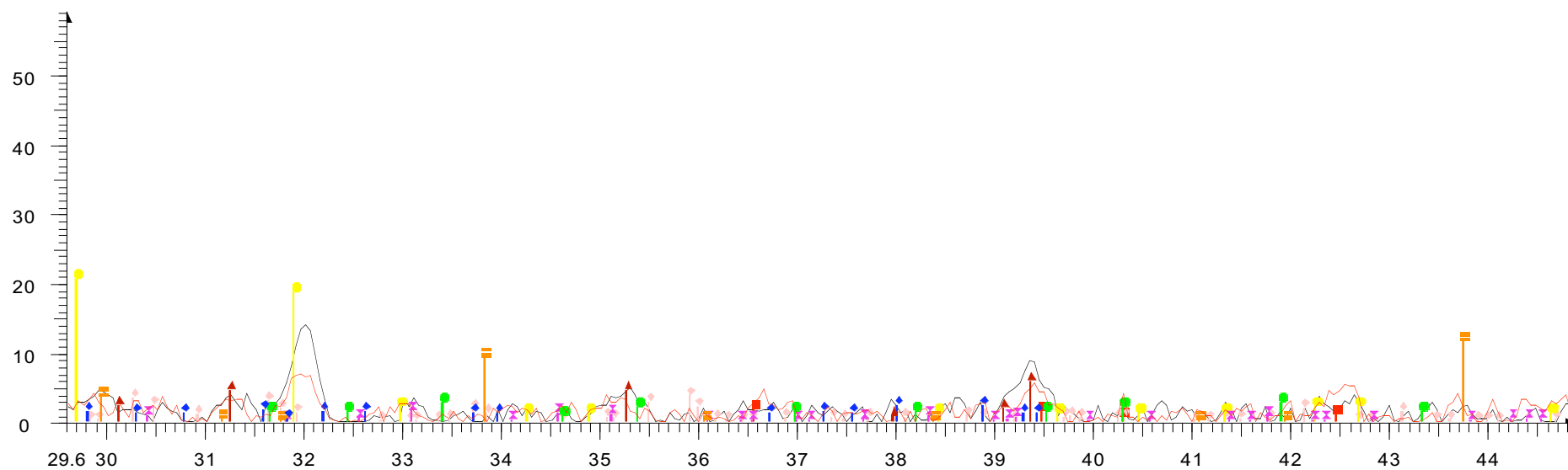
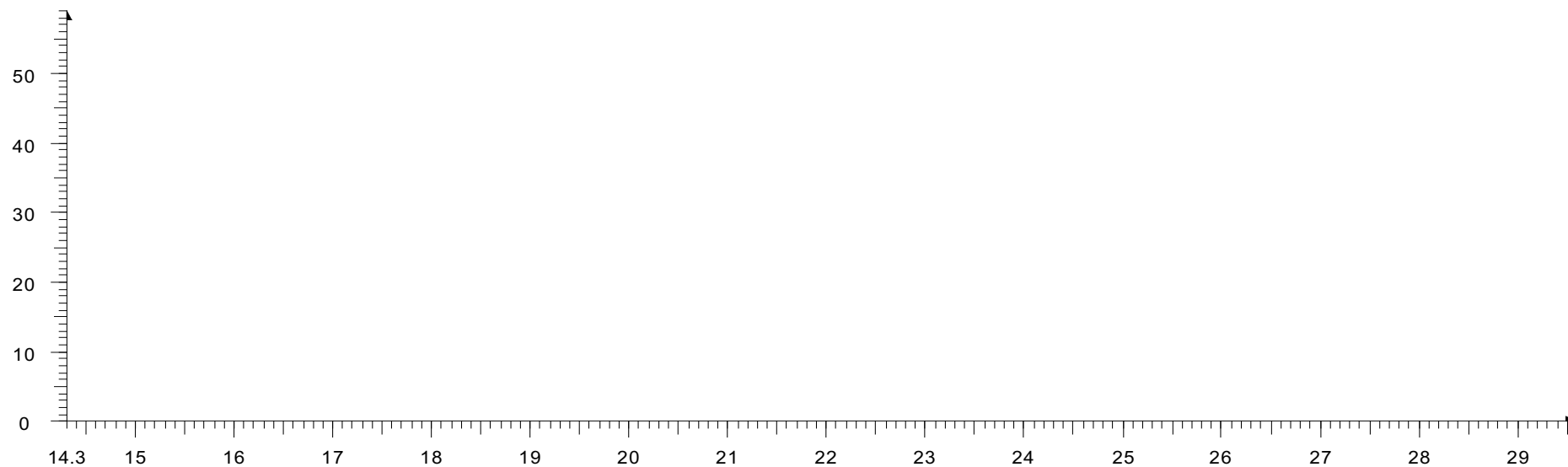
2-Theta - Scale

-  Y + 4.0 mm - File: KristinBMS3\_01.raw
-  Y + 6.0 mm - File: KristinBMS3\_02.raw
-  85-0796 (C) - Quartz - SiO<sub>2</sub>
-  42-1320 (I) - Arsenopyrite - FeAsS
-  51-1495 (I) - Zvkaite - Fe<sub>4</sub>(AsO<sub>4</sub>)<sub>3</sub>(SO<sub>4</sub>)(OH)·15H<sub>2</sub>O
-  86-1705 (C) - Anorthite - Ca(Al<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>)
-  44-1468 (N) - Tooeleite - Fe<sub>8</sub>(AsO<sub>4</sub>)<sub>6</sub>(OH)<sub>6</sub>·5H<sub>2</sub>O



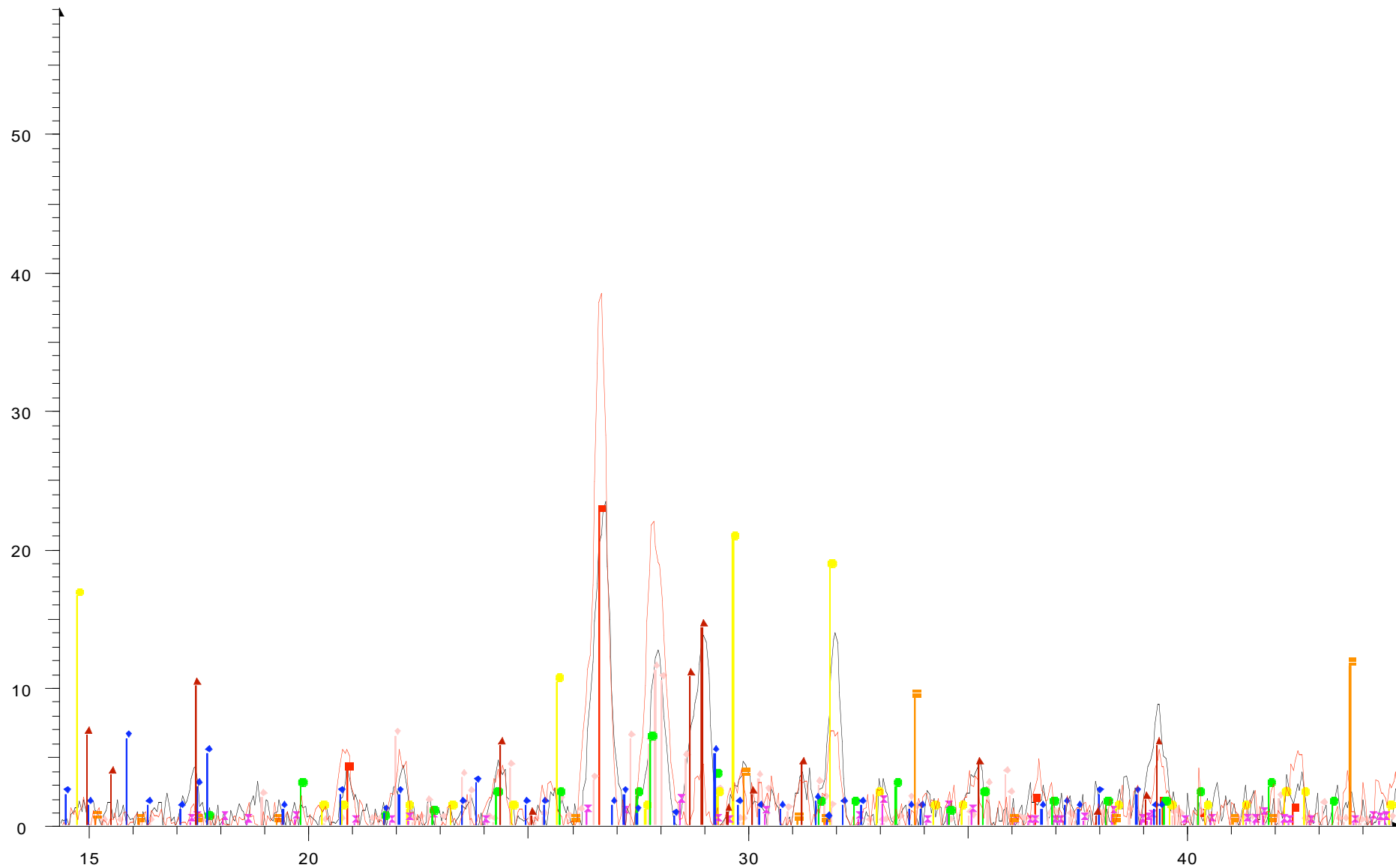
File: KristinBMS3 04.raw  
Y + 7.0 mm - File: KristinBMS3 05.raw





### 2-Theta - Scale

- |  |   |
|--|---|
| File: KristinBMS3 04.raw   | 44-1468 (N) - Tooeleite - $\text{Fe}_8(\text{AsO}_4)_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$            |
| File: KristinBMS3 05.raw   | 51-1495 (I) - Zvykaite - $\text{Fe}_4(\text{AsO}_4)_3(\text{SO}_4)(\text{OH}) \cdot 15\text{H}_2\text{O}$ |
| 85-0796 (C) - Quartz - $\text{SiO}_2$  |   |
| 22-0827 (I) - Jarosite. svn - $\text{KFe}_3(\text{SO}_4)_2(\text{OH})_6$   |   |
| 86-1705 (C) - Anorthite - $\text{Ca}(\text{Al}_2\text{Si}_2\text{O}_8)$  |   |
| 41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$   |   |
| 73-1135 (C) - Amphibole - $\text{Al}_3.2\text{Ca}_3.4\text{Fe}_4.0\text{K}_6.0\text{Na}_1.0\text{Si}_{12.8}\text{O}_{44}(\text{OH})_4$ |   |
| 29-0724 (I) - Prrhotite-5T - $\text{Fe}_{1-x}\text{S}$   |   |



File: KristinBMS3 04.raw

File: KristinBMS3 05.raw

85-0796 (C) - Quartz - SiO<sub>2</sub>

22-0827 (I) - Jarosite. svn - KFe<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>

86-1705 (C) - Anorthite - Ca(Al<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>)

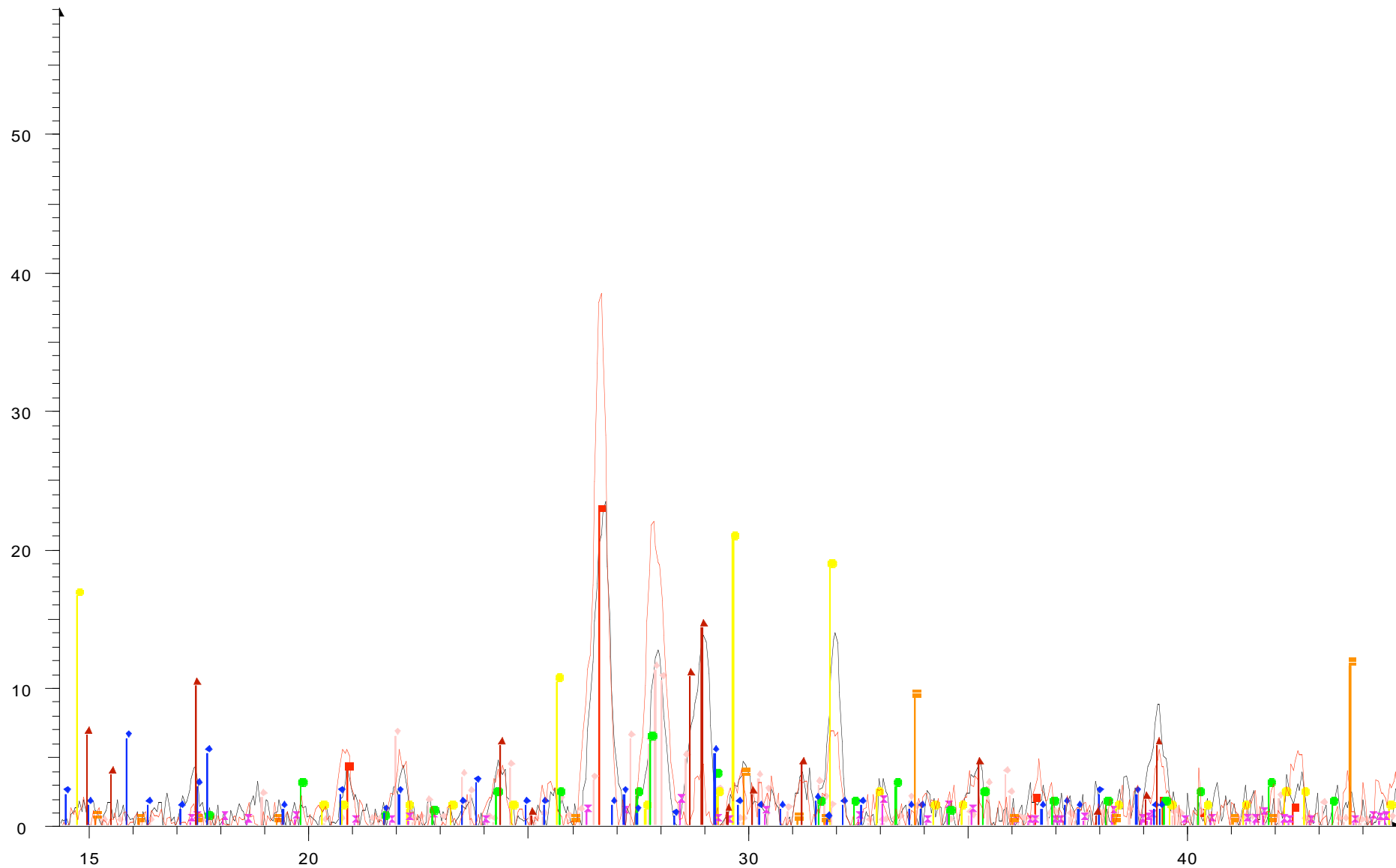
41-0224 (I) - Bassanite. svn - CaSO<sub>4</sub>·0.5H<sub>2</sub>O

73-1135 (C) - Amphibole - Al<sub>3.2</sub>Ca<sub>3.4</sub>Fe<sub>4.0</sub>K<sub>0.6</sub>Ma<sub>6.0</sub>Na<sub>1.0</sub>Si<sub>12.8</sub>O<sub>44</sub>(OH)<sub>4</sub>

29-0724 (I) - Prrhotite-5T - Fe<sub>1-x</sub>S

44-1468 (N) - Tooeleite - Fe<sub>8</sub>(AsO<sub>4</sub>)<sub>6</sub>(OH)<sub>6</sub>·5H<sub>2</sub>O

51-1495 (I) - Zvykaite - Fe<sub>4</sub>(AsO<sub>4</sub>)<sub>3</sub>(SO<sub>4</sub>)(OH)·15H<sub>2</sub>O



File: KristinBMS3 04.raw

File: KristinBMS3 05.raw

85-0796 (C) - Quartz - SiO<sub>2</sub>

22-0827 (I) - Jarosite. svn - KFe<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>

86-1705 (C) - Anorthite - Ca(Al<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>)

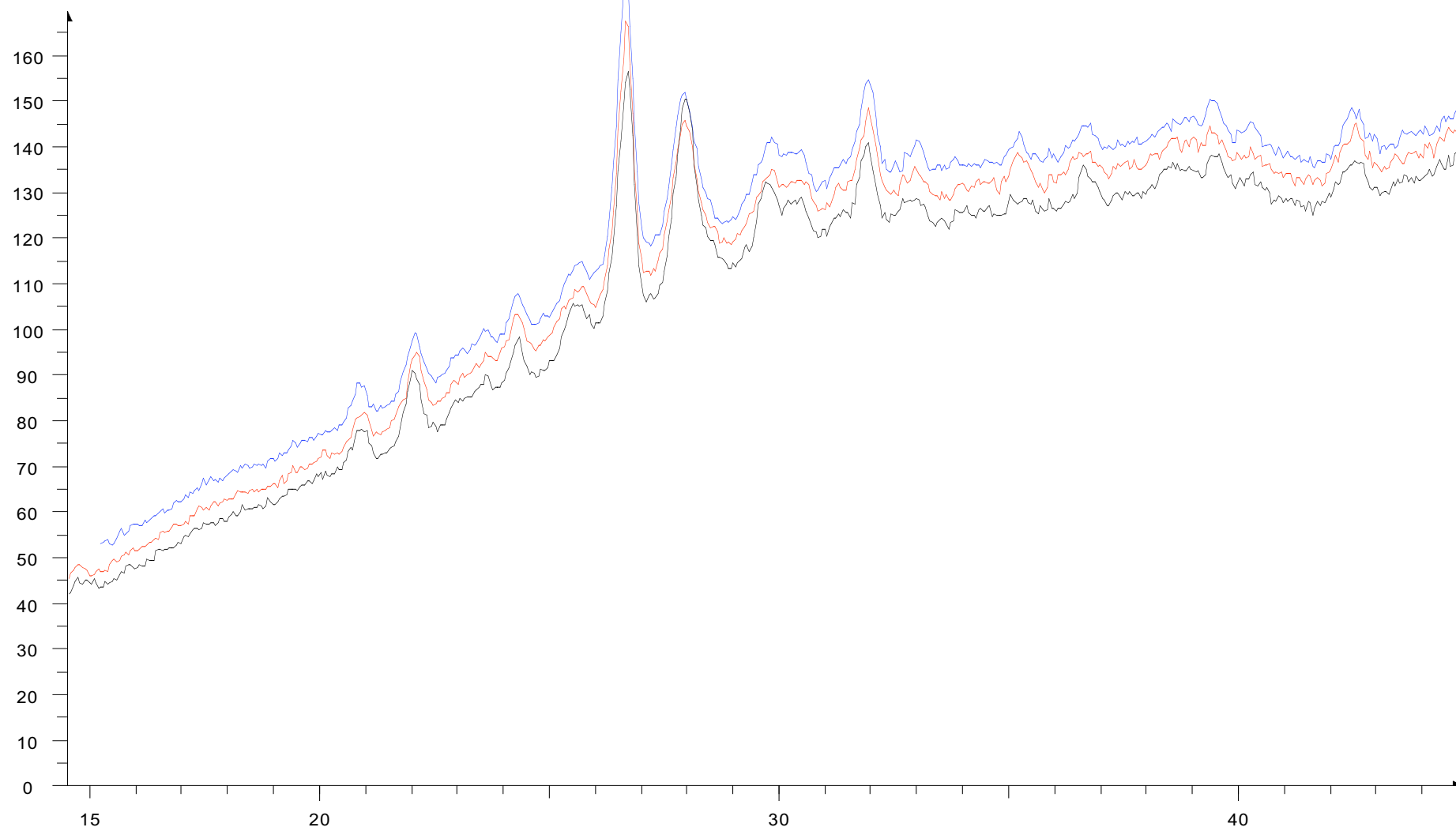
41-0224 (I) - Bassanite. svn - CaSO<sub>4</sub>·0.5H<sub>2</sub>O

73-1135 (C) - Amphibole - Al<sub>3.2</sub>Ca<sub>3.4</sub>Fe<sub>4.0</sub>K<sub>0.6</sub>Ma<sub>6.0</sub>Na<sub>1.0</sub>Si<sub>12.8</sub>O<sub>44</sub>(OH)<sub>4</sub>

29-0724 (I) - Prrhotite-5T - Fe<sub>1-x</sub>S

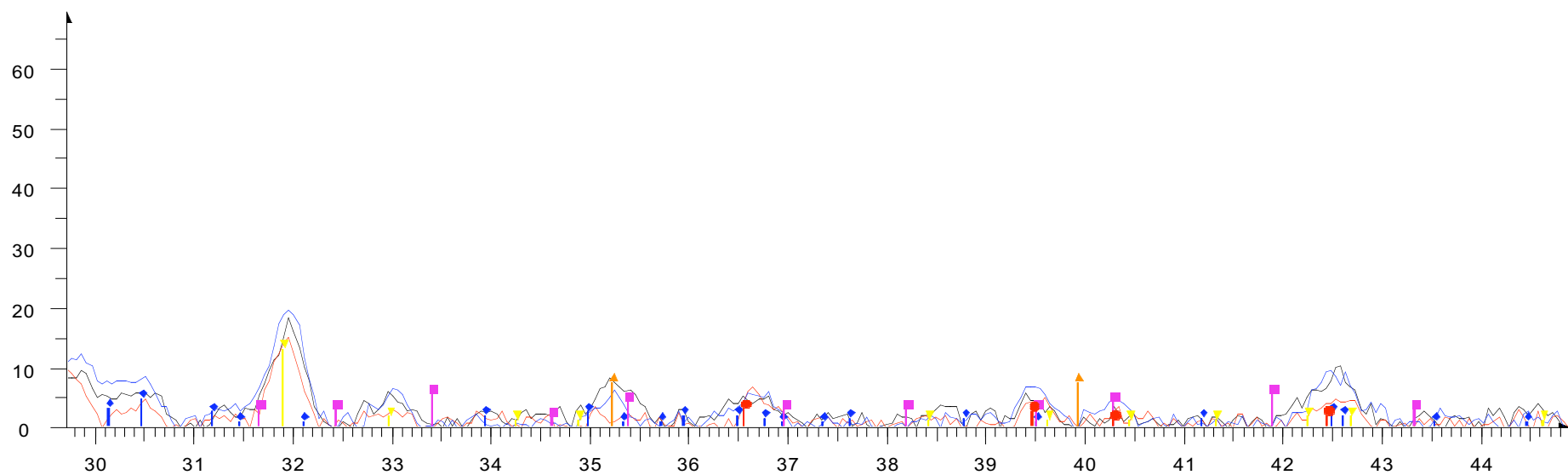
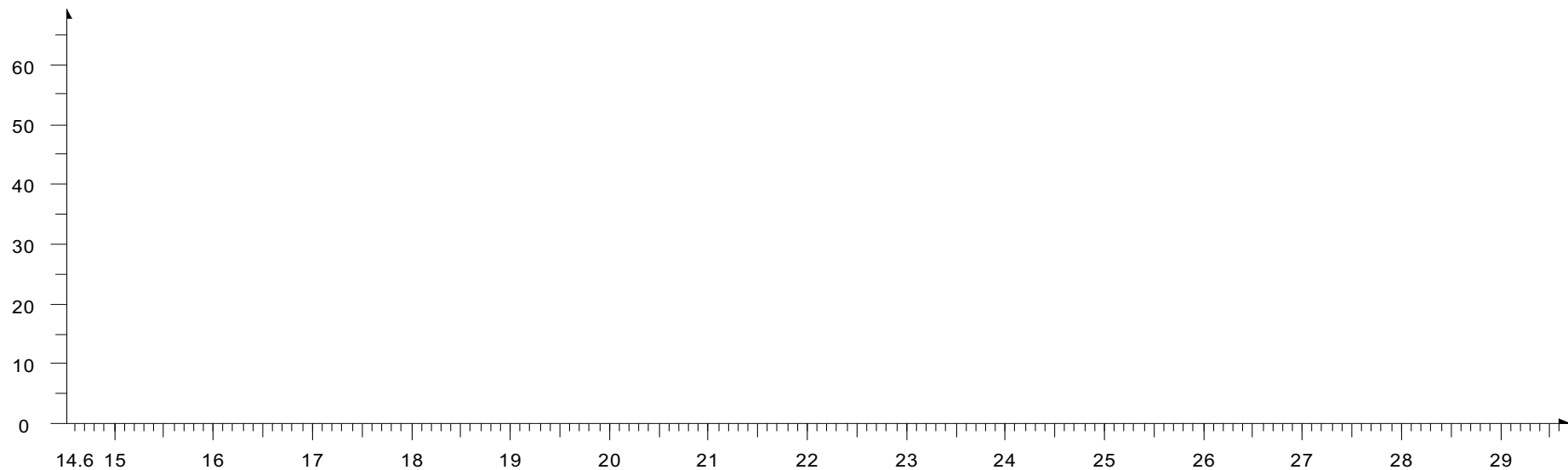
44-1468 (N) - Tooeleite - Fe<sub>8</sub>(AsO<sub>4</sub>)<sub>6</sub>(OH)<sub>6</sub>·5H<sub>2</sub>O

51-1495 (I) - Zvykaite - Fe<sub>4</sub>(AsO<sub>4</sub>)<sub>3</sub>(SO<sub>4</sub>)(OH)·15H<sub>2</sub>O











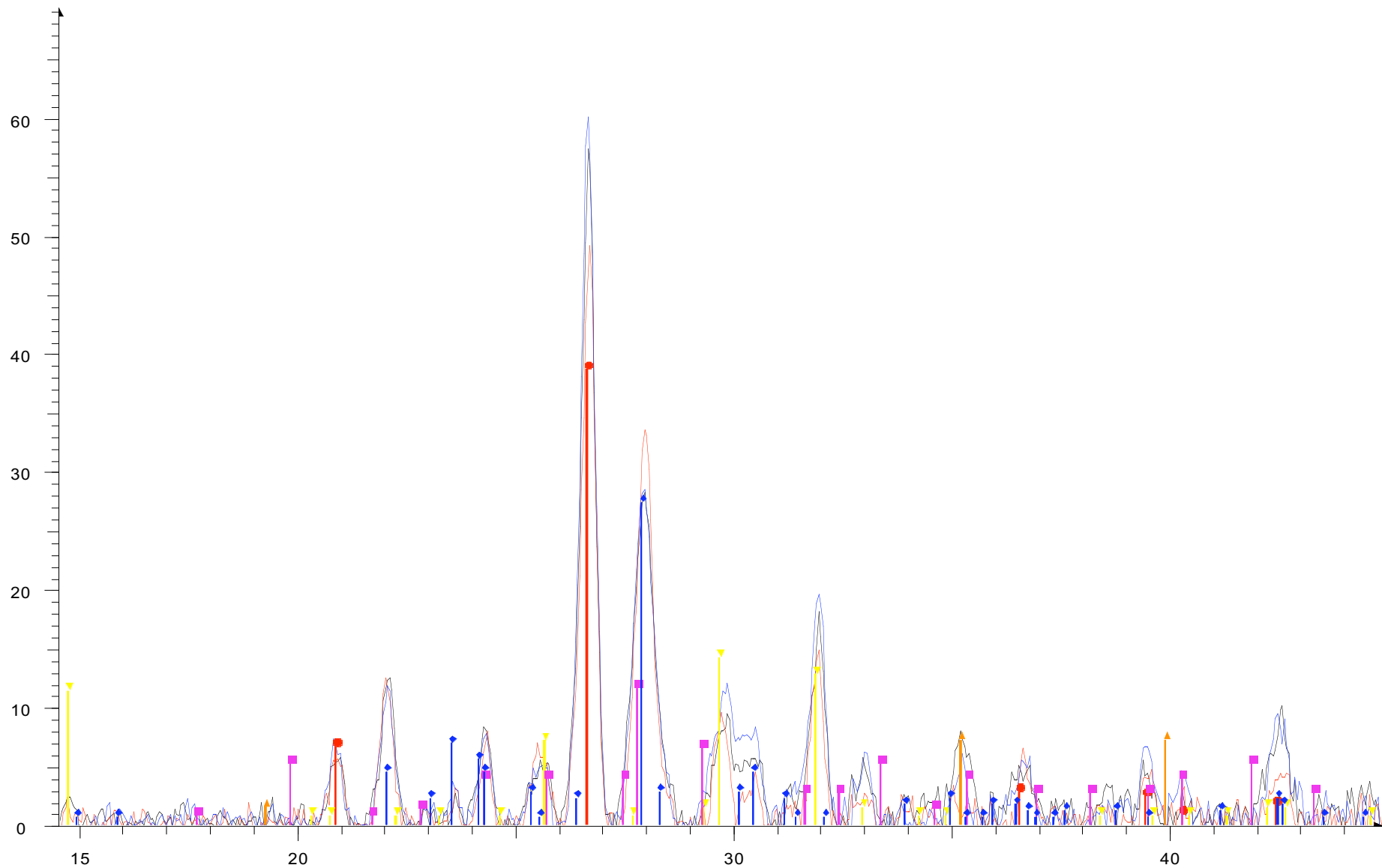
File: KristinBMS3\_07.raw  
Y + 3.0 mm - File: KristinBMS3\_06.raw  
Y + 6.0 mm - File: KristinBMS3\_09.raw

2-Theta - Scale

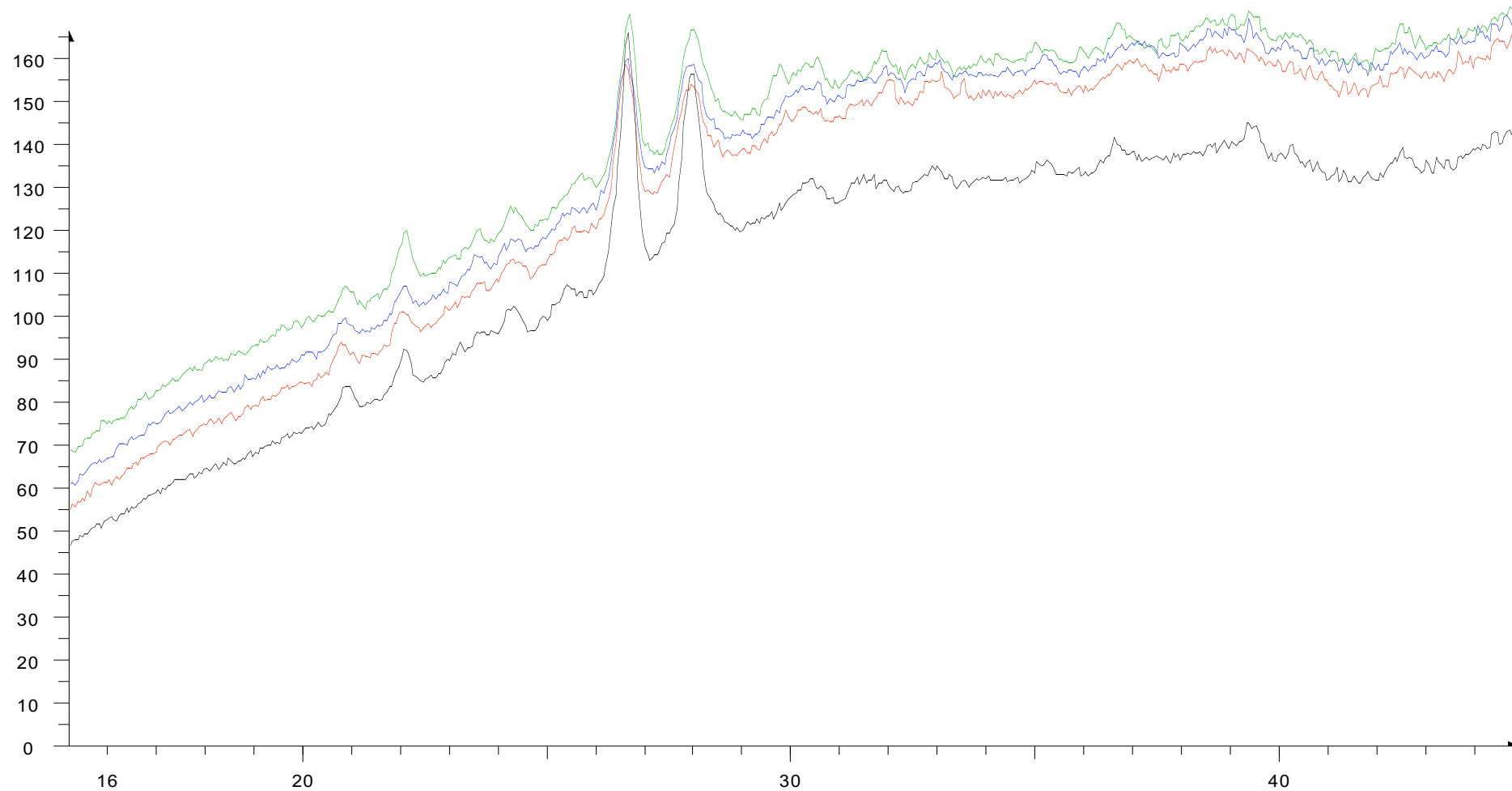


2-Theta - Scale





-  File: KristinBMS3\_06.raw
-  File: KristinBMS3\_07.raw
-  File: KristinBMS3\_09.raw
-  85-0796 (C) - Quartz - SiO<sub>2</sub>
-  09-0466 (\*) - Albite, ordered - NaAlSi<sub>3</sub>O<sub>8</sub>
-  41-0224 (I) - Bassanite, svn - CaSO<sub>4</sub>·0.5H<sub>2</sub>O
-  44-1468 (N) - Tooeleite - Fe<sub>8</sub>(AsO<sub>4</sub>)<sub>6</sub>(OH)<sub>6</sub>·5H<sub>2</sub>O
-  13-0087 (Q) - Feroxwhite, svn - Fe+3O(OH)

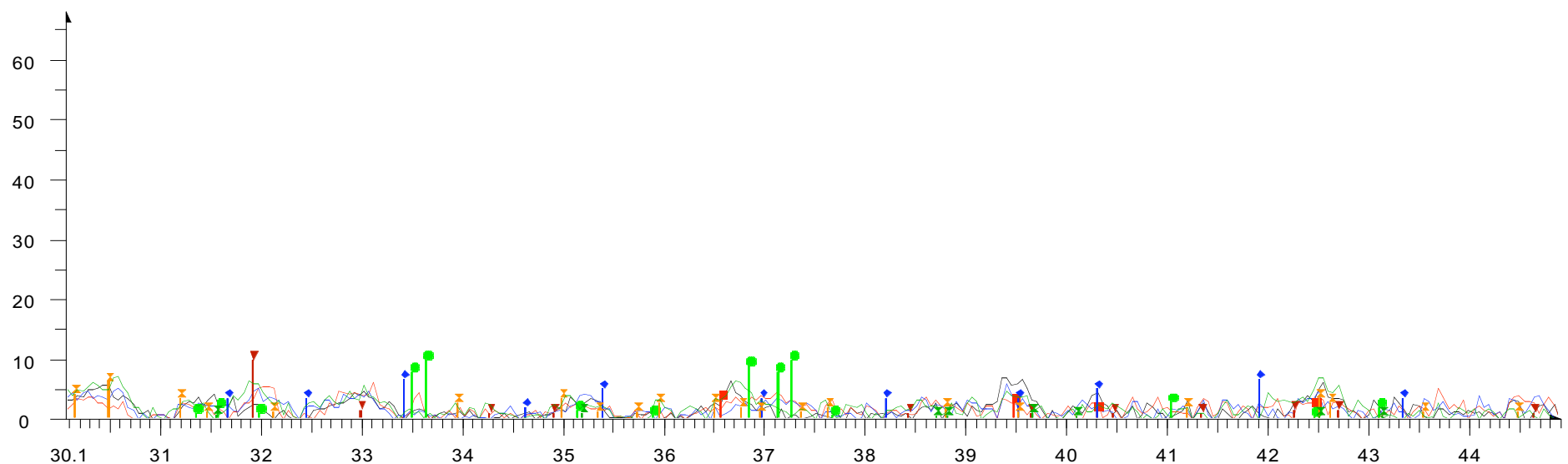
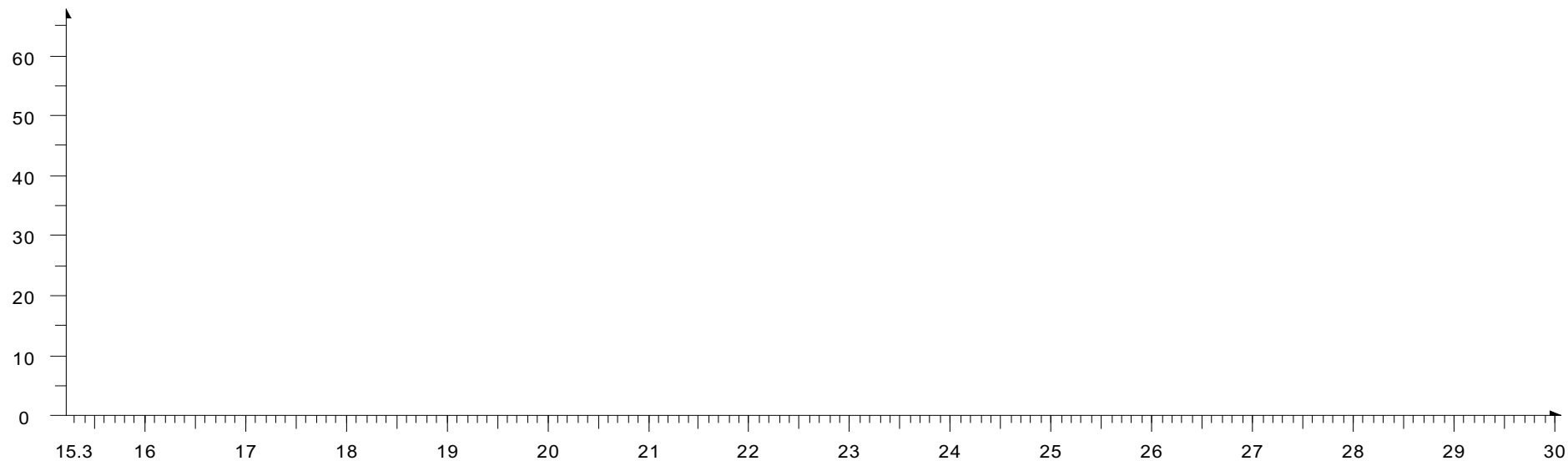


- File: KristinBMS3\_06.raw
- File: KristinBMS3\_07.raw
- File: KristinBMS3\_09.raw
- 85-0796 (C) - Quartz -  $\text{SiO}_2$
- 09-0466 (\*) - Albite, ordered -  $\text{NaAlSi}_3\text{O}_8$
- 41-0224 (I) - Bassanite, svn -  $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$
- 44-1468 (N) - Tooeleite -  $\text{Fe}_8(\text{AsO}_4)_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$
- 13-0087 (Q) - Feroxwhite, svn -  $\text{Fe} + 3\text{O}(\text{OH})$



## 2-Theta - Scale

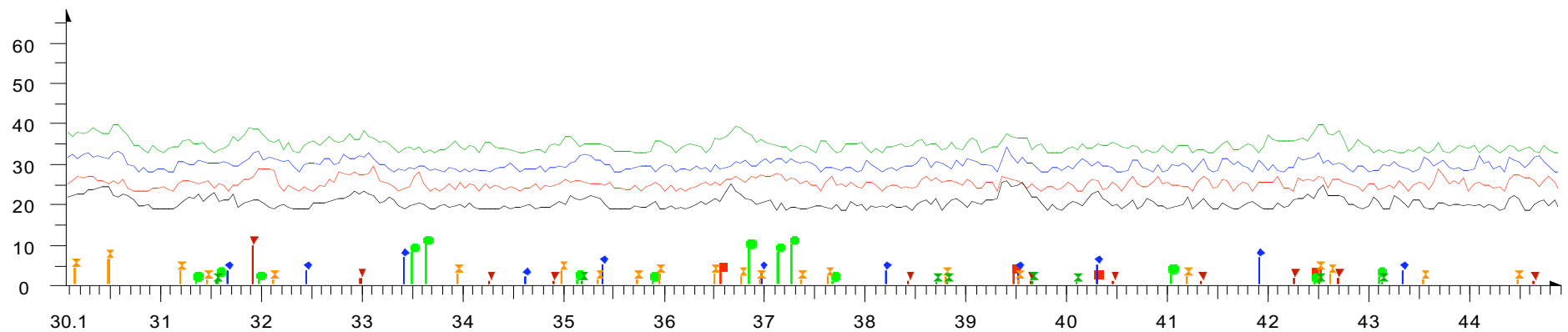
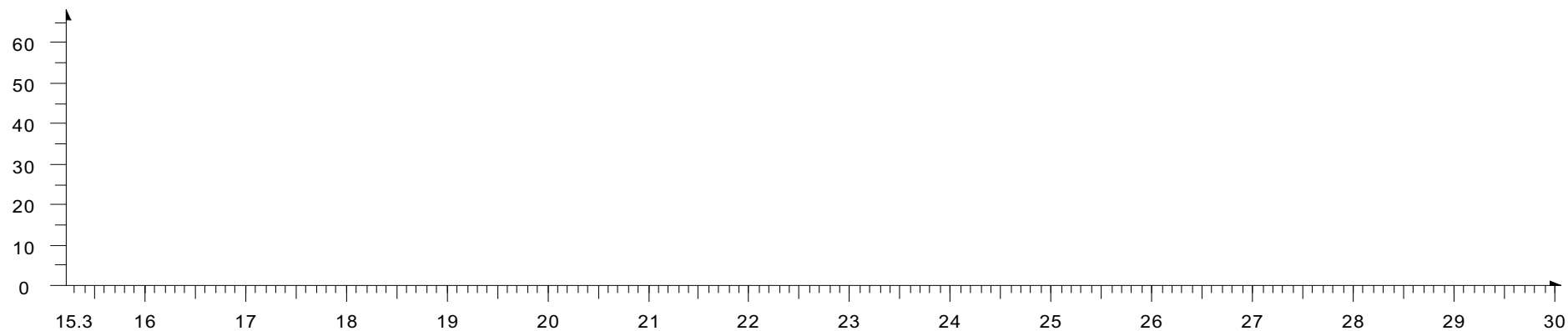
	Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 08.raw
	Y + 4.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 11.raw
	Y + 8.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 12.raw
	Y + 12.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 13.raw



### 2-Theta - Scale

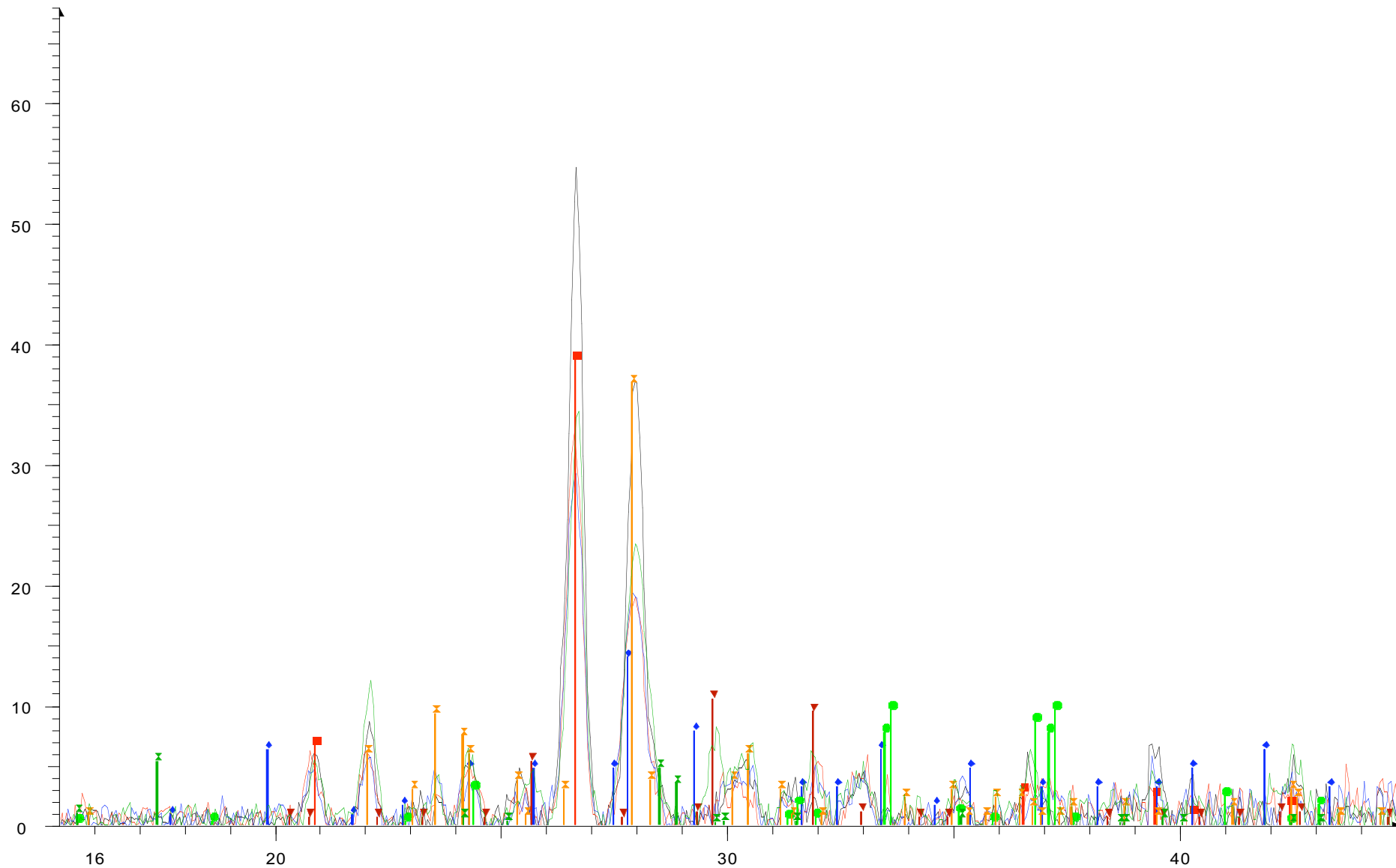
- |  |                           |                      |  |
|--|---------------------------|----------------------|--|
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli | 41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$                           |
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli | 31-0650 (I) - Hvdroniumiarosite. svn - $(\text{H}_3\text{O})\text{Fe}_3(\text{SO}_4)_2(\text{OH})_6$ |
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli |  |
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli |  |
| 85-0796 (C) - Quartz - $\text{SiO}_2$  |                           |                      |  |
| 44-1468 (N) - Tooeleite - $\text{Fe}_8(\text{AsO}_4)_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$ |                           |                      |  |
| 42-1320 (I) - Arsenopvrite - $\text{FeAsS}$  |                           |                      |  |
| 09-0466 (*) - Albite. ordered - $\text{NaAlSi}_3\text{O}_8$                                    |                           |                      |  |





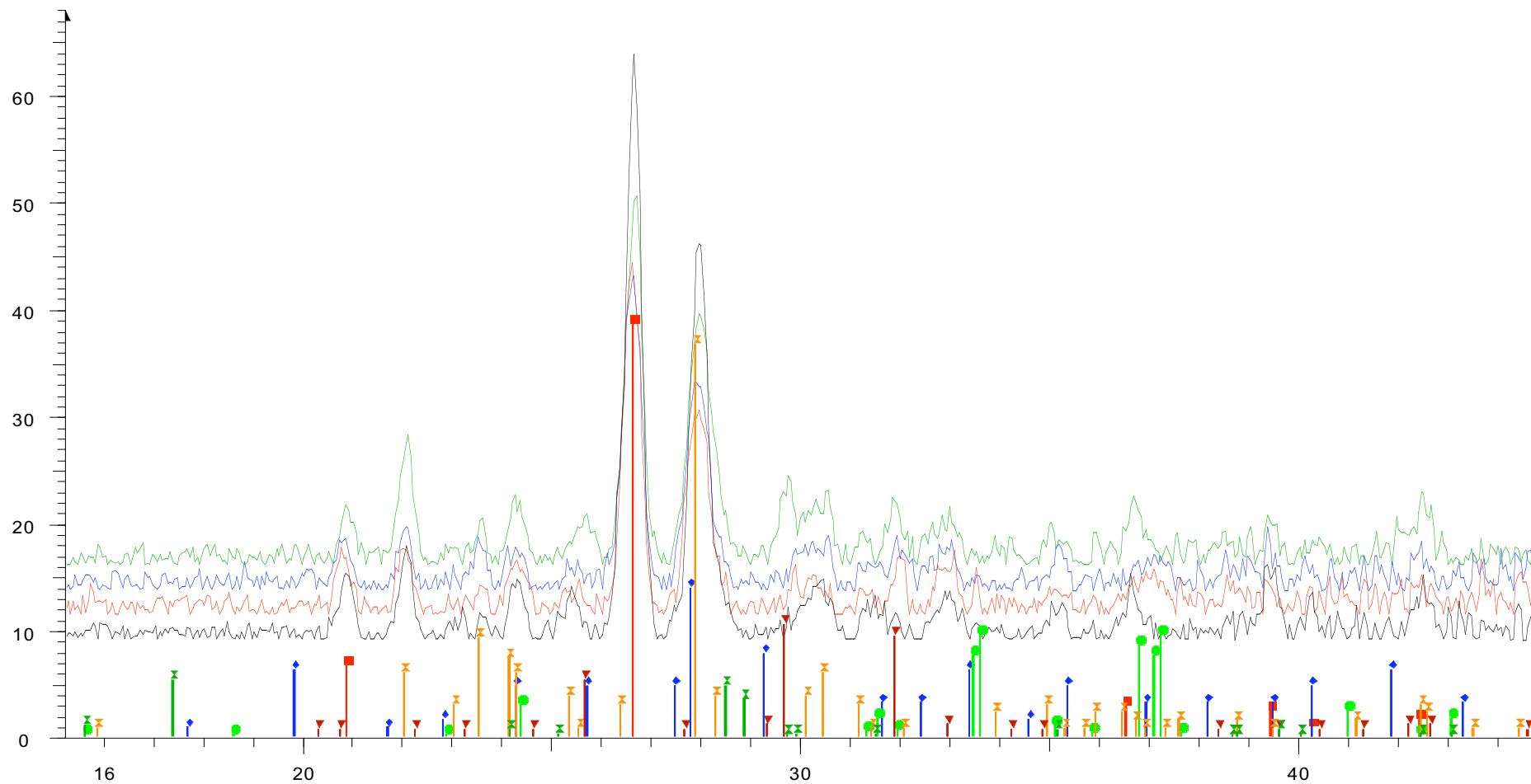
### 2-Theta - Scale

- |  |                           |     |  |
|--|---------------------------|-----|--|
| Y + 12.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc | 41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$                           |
| Y + 15.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc | 31-0650 (I) - Hydroniumiarosite. svn - $(\text{H}_3\text{O})\text{Fe}_3(\text{SO}_4)_2(\text{OH})_6$ |
| Y + 18.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc |  |
| Y + 21.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc |  |
| 85-0796 (C) - Quartz - $\text{SiO}_2$  |                           |     |  |
| 44-1468 (N) - Tooeleite - $\text{Fe}_8(\text{AsO}_4)_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$ |                           |     |  |
| 42-1320 (I) - Arsenopovrite - $\text{FeAsS}$   |                           |     |  |
| 09-0466 (*) - Albite. ordered - $\text{NaAlSi}_3\text{O}_8$                                    |                           |     |  |



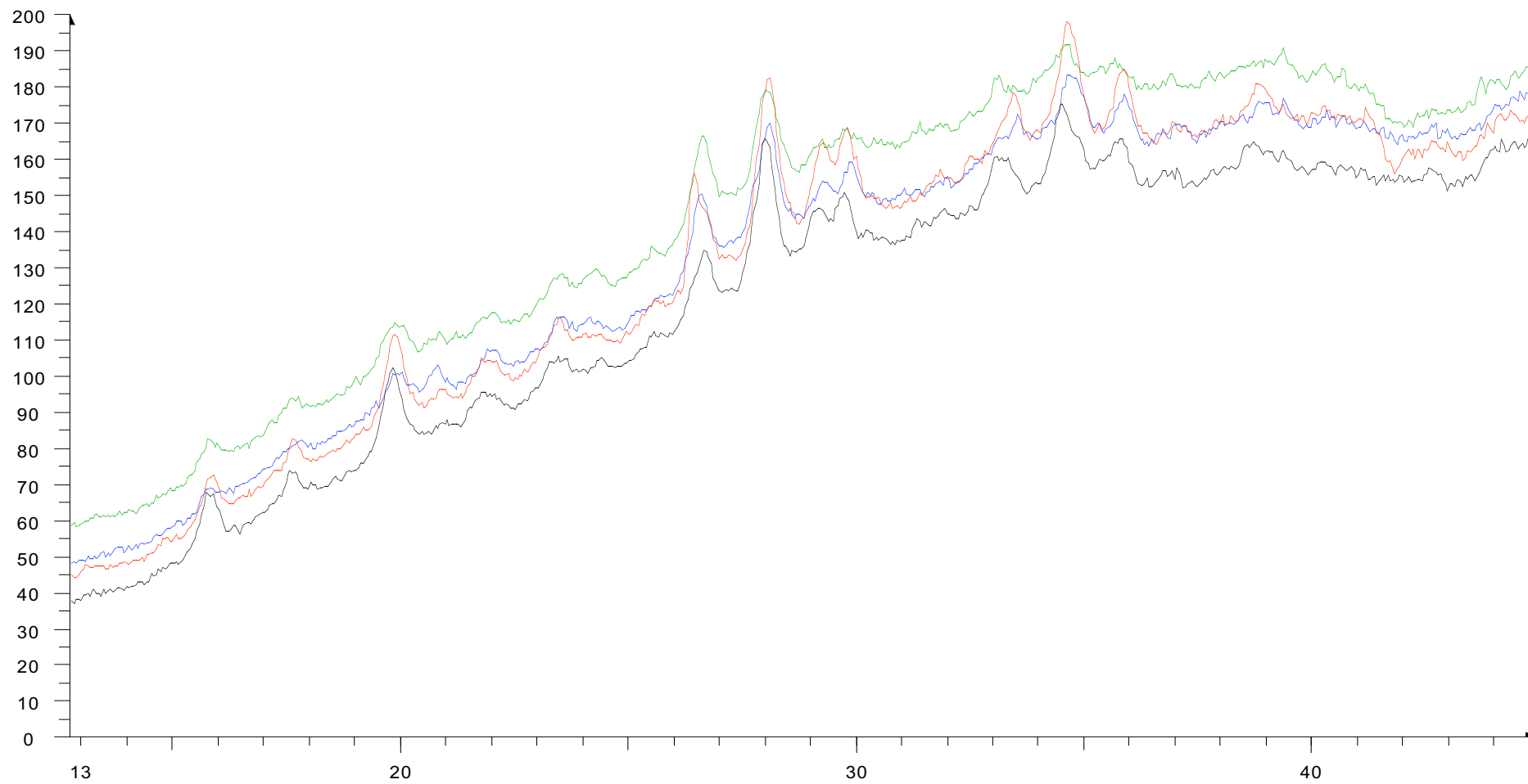
### 2-Theta - Scale

- |  |                           |                      |  |
|--|---------------------------|----------------------|--|
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli | 41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$                           |
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli | 31-0650 (I) - Hvdroniumiarosite. svn - $(\text{H}_3\text{O})\text{Fe}_3(\text{SO}_4)_2(\text{OH})_6$ |
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli |  |
| Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. sli |  |
| 85-0796 (C) - Quartz - $\text{SiO}_2$  |                           |                      |  |
| 44-1468 (N) - Tooeleite - $\text{Fe}_8(\text{AsO}_4)_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$ |                           |                      |  |
| 42-1320 (I) - Arsenopvrite - $\text{FeAsS}$  |                           |                      |  |
| 09-0466 (*) - Albite. ordered - $\text{NaAlSi}_3\text{O}_8$                                    |                           |                      |  |



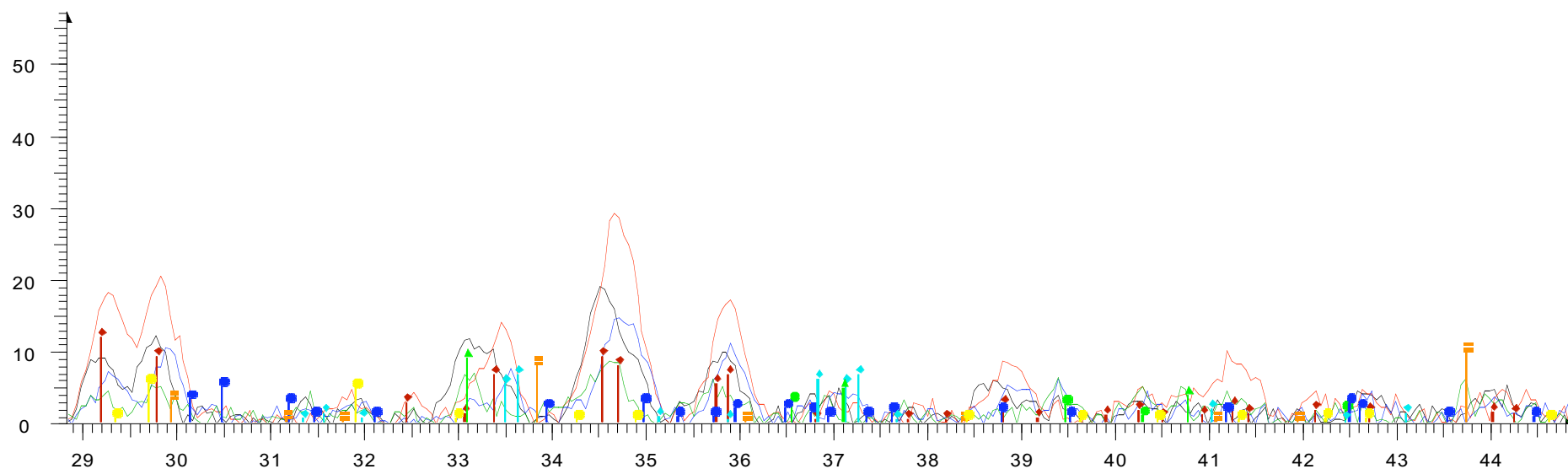
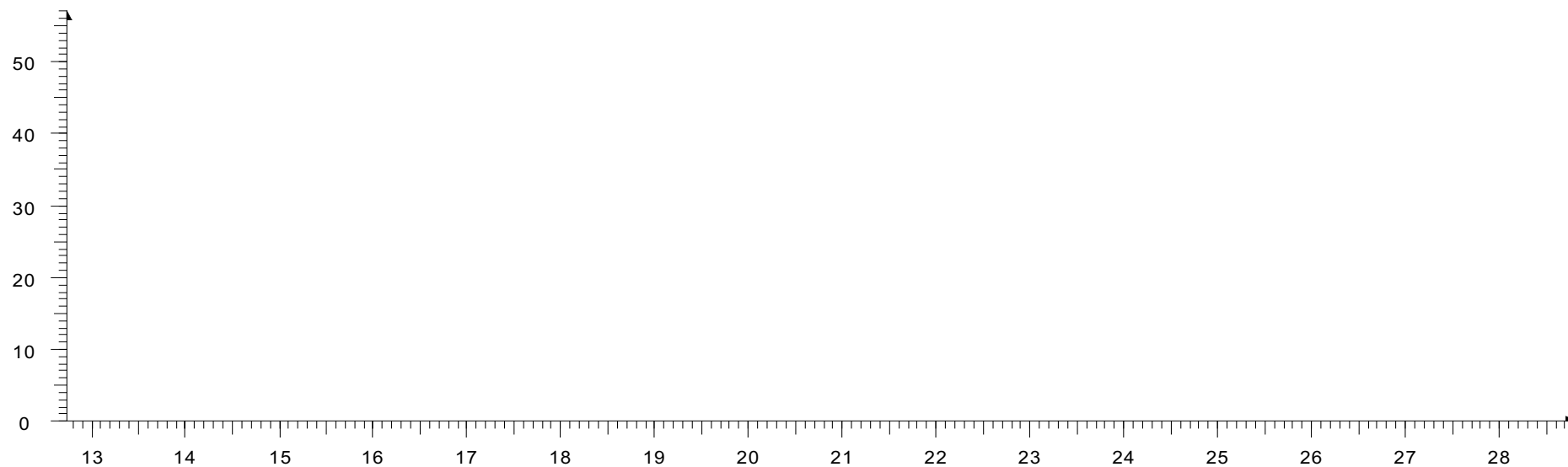
### 2-Theta - Scale

- |  |                           |     |  |
|--|---------------------------|-----|--|
| Y + 16.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc | 41-0224 (I) - Bassanite. svn - $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$                           |
| Y + 20.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc | 31-0650 (I) - Hydroniumiarosite. svn - $(\text{H}_3\text{O})\text{Fe}_3(\text{SO}_4)_2(\text{OH})_6$ |
| Y + 24.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc |  |
| Y + 28.0 mm - Bucket material. slide S3  | Bucket material. slide S3 | Buc |  |
| 85-0796 (C) - Quartz - $\text{SiO}_2$  |                           |     |  |
| 44-1468 (N) - Tooeleite - $\text{Fe}_8(\text{AsO}_4)_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$ |                           |     |  |
| 42-1320 (I) - Arsenopovrite - $\text{FeAsS}$   |                           |     |  |
| 09-0466 (*) - Albite. ordered - $\text{NaAlSi}_3\text{O}_8$                                    |                           |     |  |



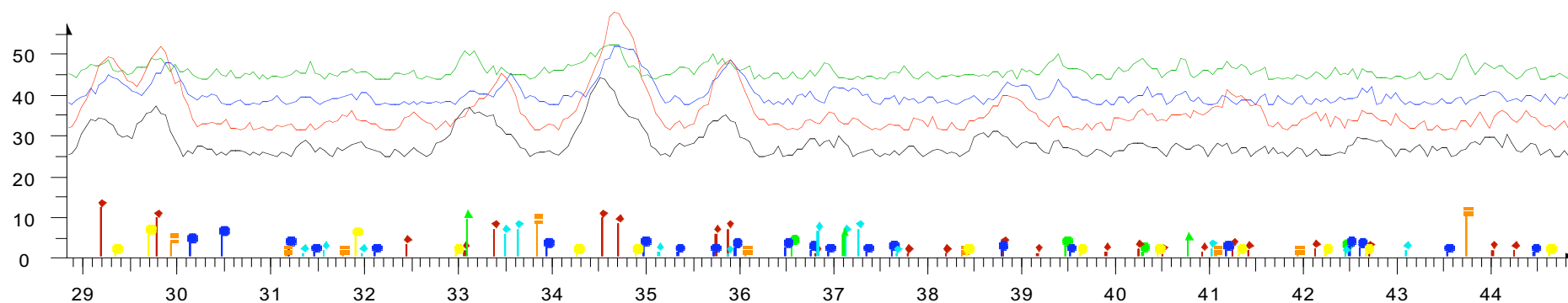
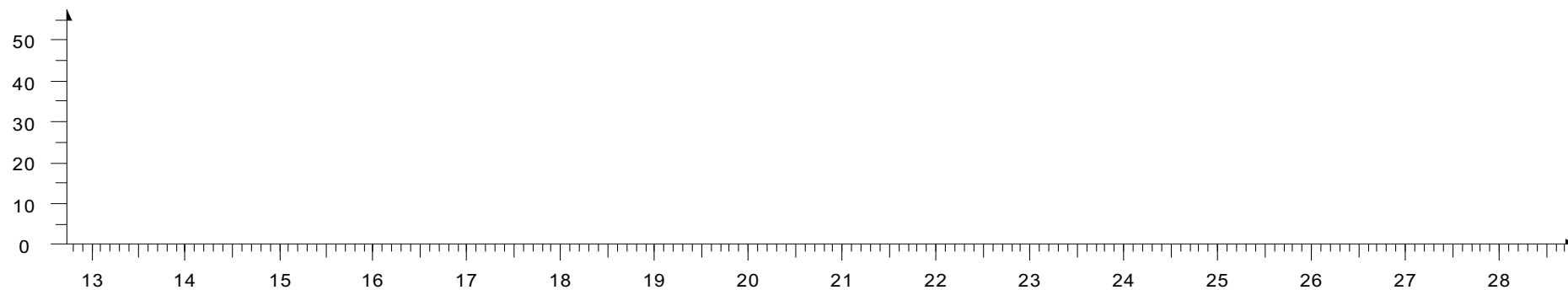
File: KristinBMS3 14.raw  
Y + 4.0 mm - File: KristinBMS3 15.raw  
Y + 8.0 mm - File: KristinBMS3 17.raw  
Y + 12.0 mm - File: KristinBMS3 18.raw

2-Theta - Scale



2-Theta - Scale

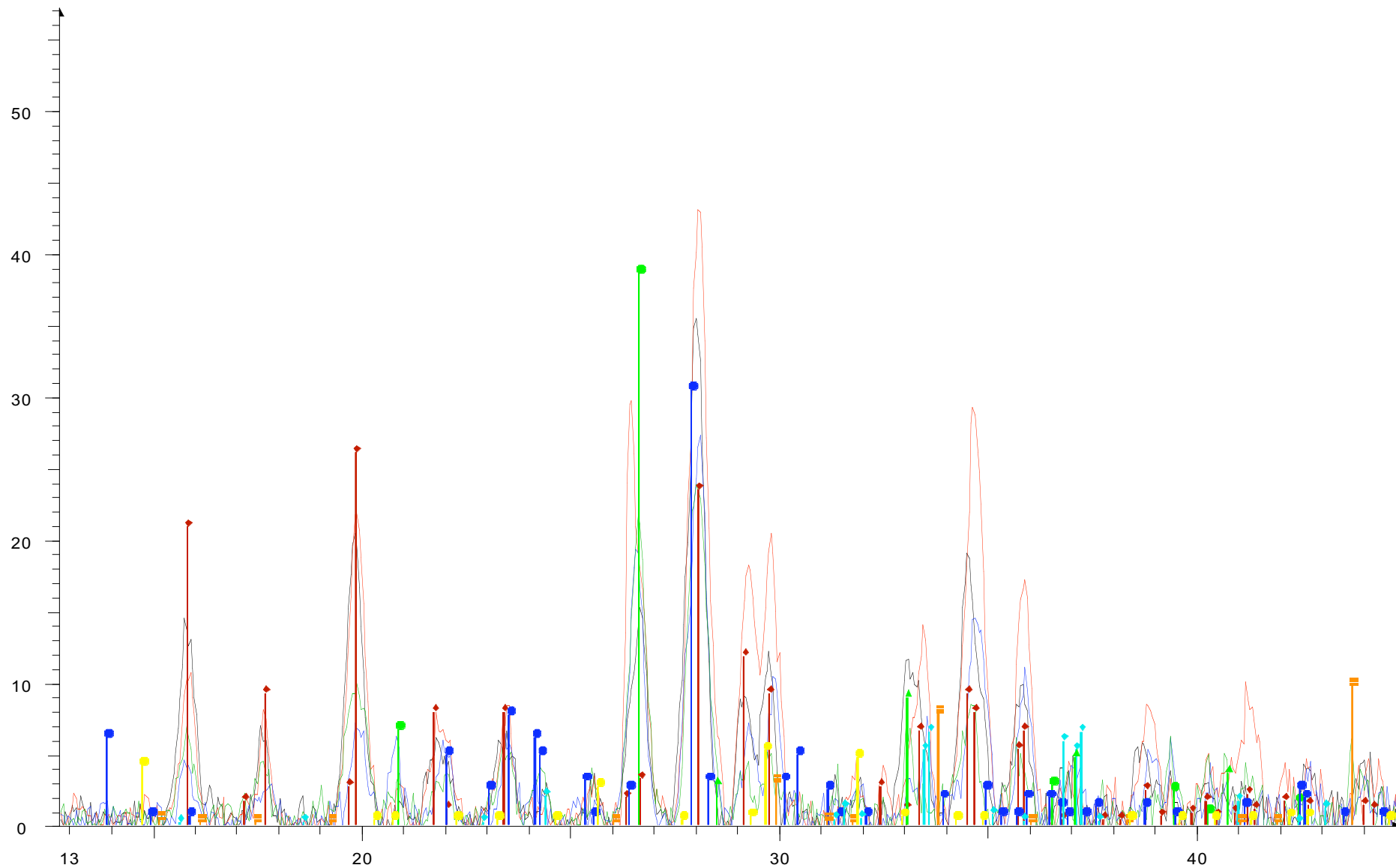
- |   |   |
|---|---|
| File: KristinBMS3 14.raw                  | 29-0724 (I) - Prrhotite-5T - Fe1-xS         |
| File: KristinBMS3 15.raw                  | 42-1340 (*) - Pyrite - FeS2                 |
| File: KristinBMS3 17.raw                  | 41-0224 (I) - Bassanite. svn - CaSO4·0.5H2O |
| File: KristinBMS3 18.raw                  |   |
| 85-0796 (C) - Quartz - SiO2               |   |
| 37-0468 (*) - Scorodite - FeAsO4·2H2O     |   |
| 09-0466 (*) - Albite. ordered - NaAlSi3O8 |   |
| 42-1320 (I) - Arsenoprite - FeAsS         |   |



## 2-Theta - Scale

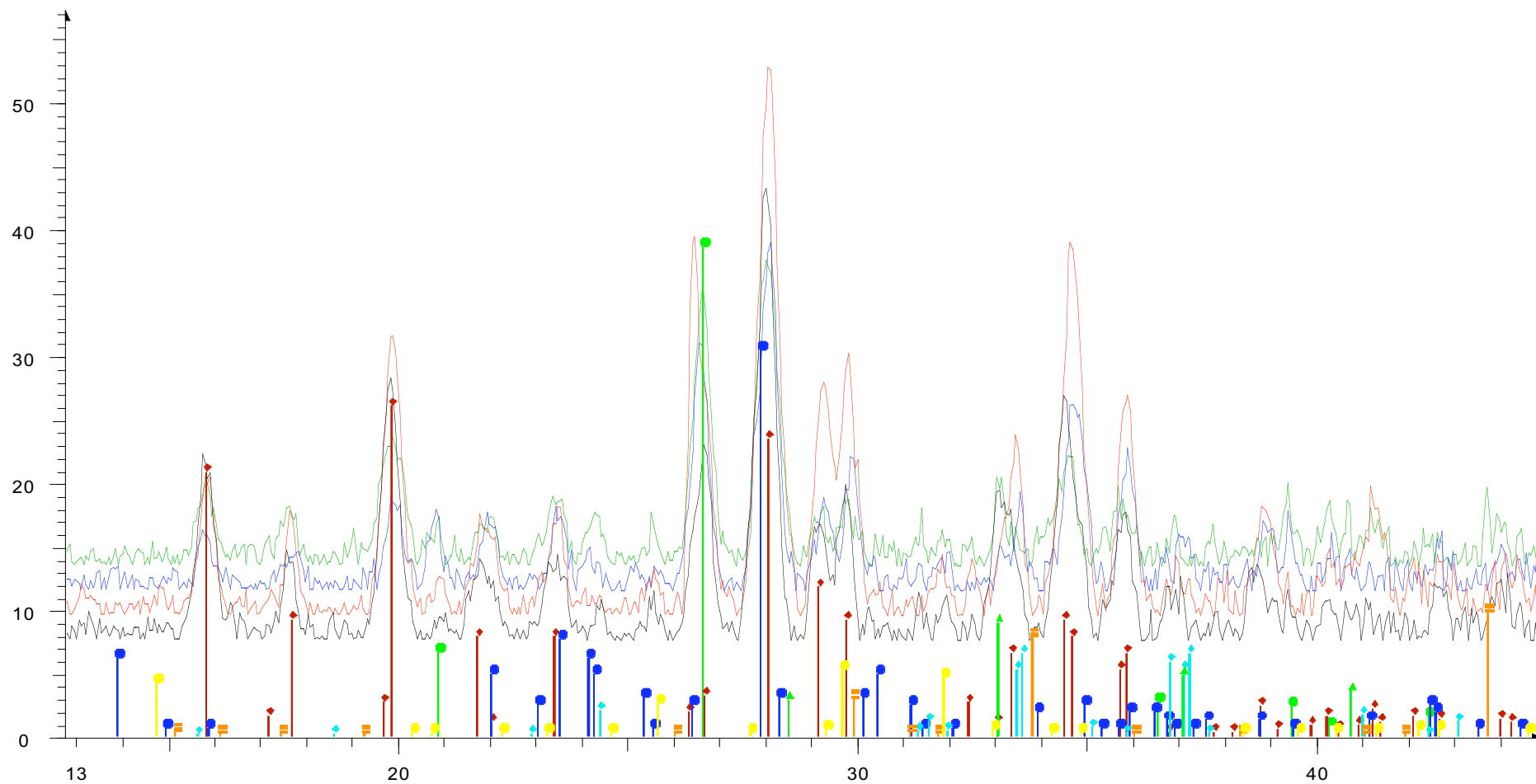
- Y + 16.0 mm - File: KristinBMS3 14.raw
- Y + 20.0 mm - File: KristinBMS3 15.raw
- Y + 24.0 mm - File: KristinBMS3 17.raw
- Y + 28.0 mm - File: KristinBMS3 18.raw
- 85-0796 (C) - Quartz - SiO<sub>2</sub>
- 37-0468 (\*) - Scorodite - FeAsO<sub>4</sub>·2H<sub>2</sub>O
- 09-0466 (\*) - Albite, ordered - NaAlSi<sub>3</sub>O<sub>8</sub>
- 42-1320 (I) - Arsenopyrite - FeAsS

- 29-0724 (I) - Prrhotite-5T - Fe<sub>1-x</sub>S
- 42-1340 (\*) - Pyrite - FeS<sub>2</sub>
- 41-0224 (I) - Bassanite, svn - CaSO<sub>4</sub>·0.5H<sub>2</sub>O



## 2-Theta - Scale

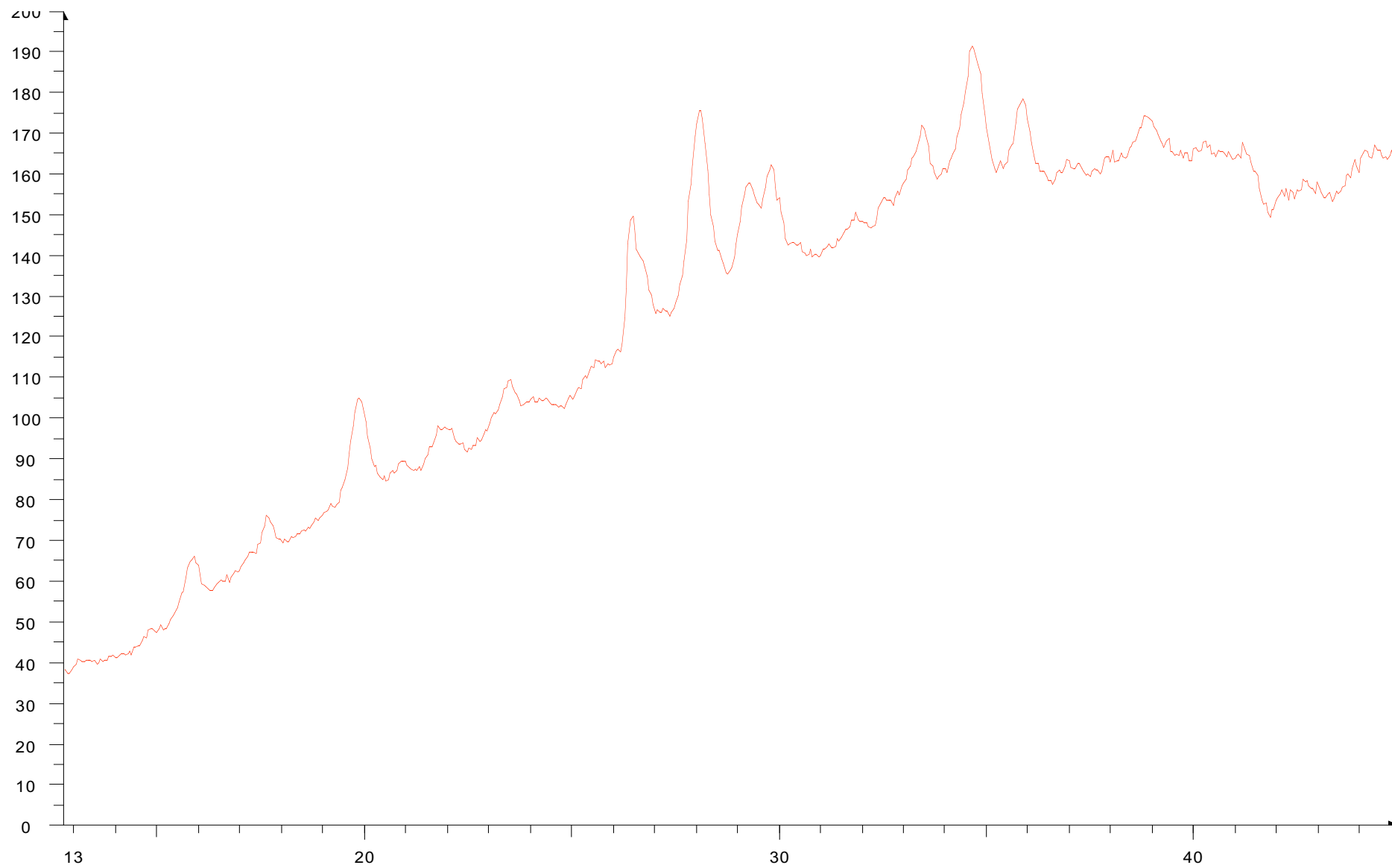
- |  |   |
|--|---|
| File: KristinBMS3 14.raw   | 29-0724 (I) - Prrhotite-5T - Fe1-xS                                   |
| File: KristinBMS3 15.raw   | 42-1340 (*) - Pyrite - FeS <sub>2</sub>                               |
| File: KristinBMS3 17.raw   | 41-0224 (I) - Bassanite. svn - CaSO <sub>4</sub> ·0.5H <sub>2</sub> O |
| File: KristinBMS3 18.raw   |   |
| 85-0796 (C) - Quartz - SiO <sub>2</sub>                            |   |
| 37-0468 (*) - Scorodite - FeAsO <sub>4</sub> ·2H <sub>2</sub> O    |   |
| 09-0466 (*) - Albite. ordered - NaAlSi <sub>3</sub> O <sub>8</sub> |   |
| 42-1320 (I) - Arsenoprite - FeAs                                   |   |



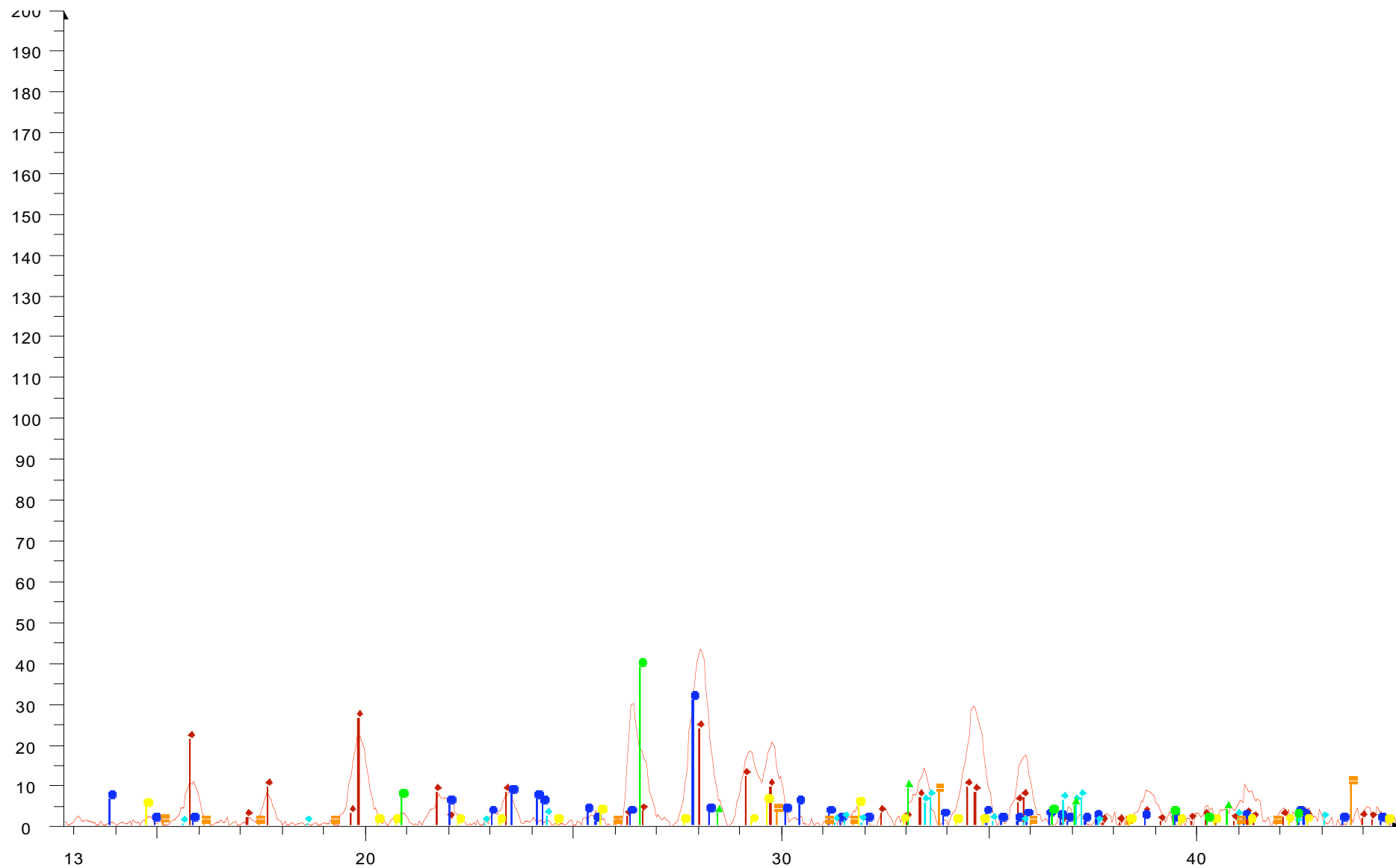
Y + 16.0 mm - File: KristinBMS3 14.raw  
 Y + 20.0 mm - File: KristinBMS3 15.raw  
 Y + 24.0 mm - File: KristinBMS3 17.raw  
 Y + 28.0 mm - File: KristinBMS3 18.raw  
 85-0796 (C) - Quartz - SiO<sub>2</sub>  
 37-0468 (\*) - Scorodite - FeAsO<sub>4</sub>·2H<sub>2</sub>O  
 09-0466 (\*) - Albite, ordered - NaAlSi<sub>3</sub>O<sub>8</sub>  
 42-1320 (I) - Arsenoprite - FeAsS

29-0724 (I) - Prrhotite-5T - Fe<sub>1-x</sub>S  
 42-1340 (\*) - Pyrite - FeS<sub>2</sub>  
 41-0224 (I) - Bassanite, svn - CaSO<sub>4</sub>·0.5H<sub>2</sub>O



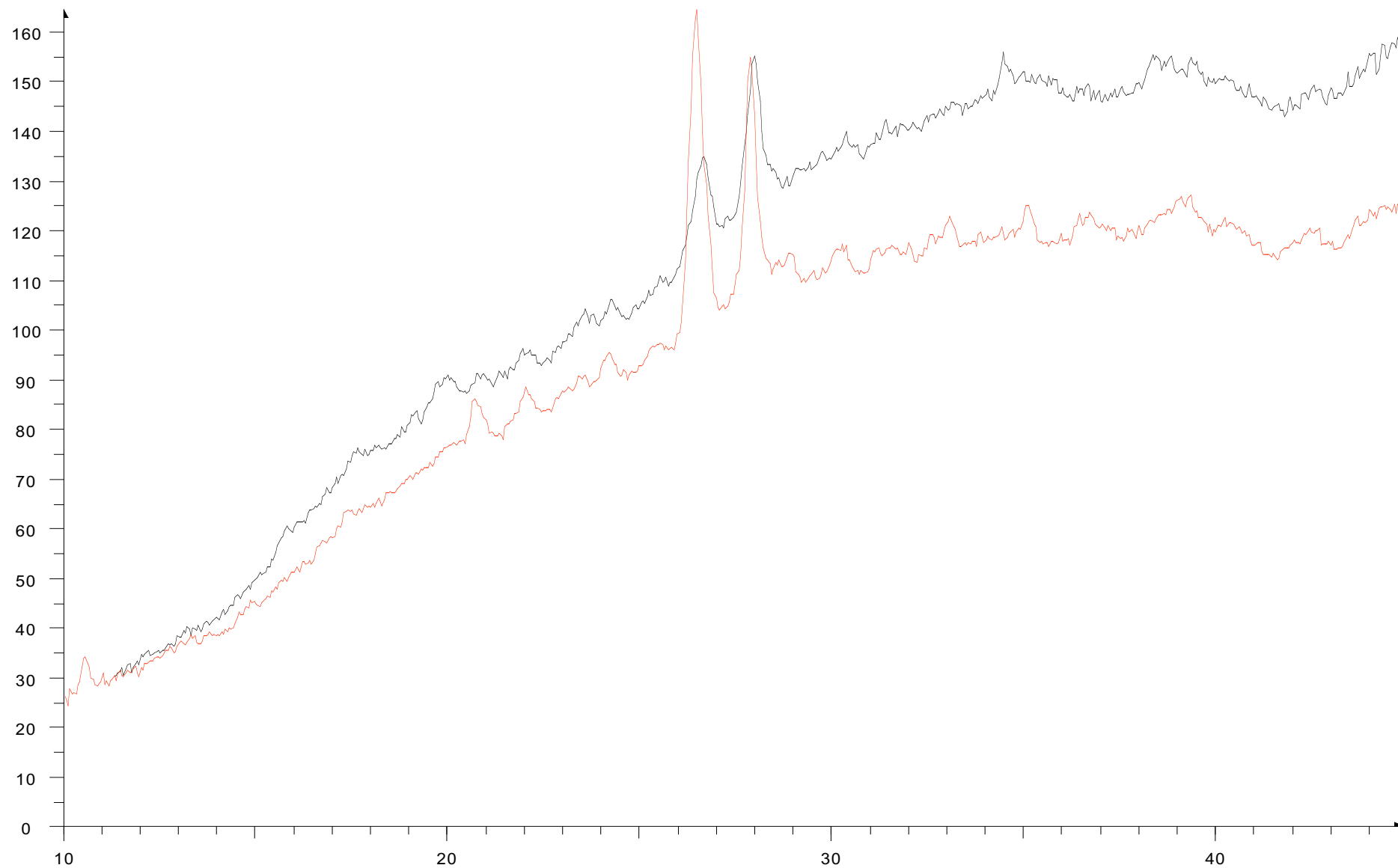


 File: KristinBMS3 15.raw



2-Theta - Scale

- File: KristinBMS3 15.raw
- 85-0796 (C) - Quartz - SiO<sub>2</sub>
- 37-0468 (\*) - Scorodite - FeAsO<sub>4</sub>·2H<sub>2</sub>O
- 09-0466 (\*) - Albite, ordered - NaAlSi<sub>3</sub>O<sub>8</sub>
- 42-1320 (I) - Arsenopyrite - FeAsS
- 29-0724 (I) - Pyrrhotite-5T - Fe<sub>1-x</sub>S
- 42-1340 (\*) - Pprite - FeS<sub>2</sub>
- 41-0224 (I) - Bassanite, svn - CaSO<sub>4</sub>·0.5H<sub>2</sub>O



Bucket material. slide S3

Bucket material. slide S3

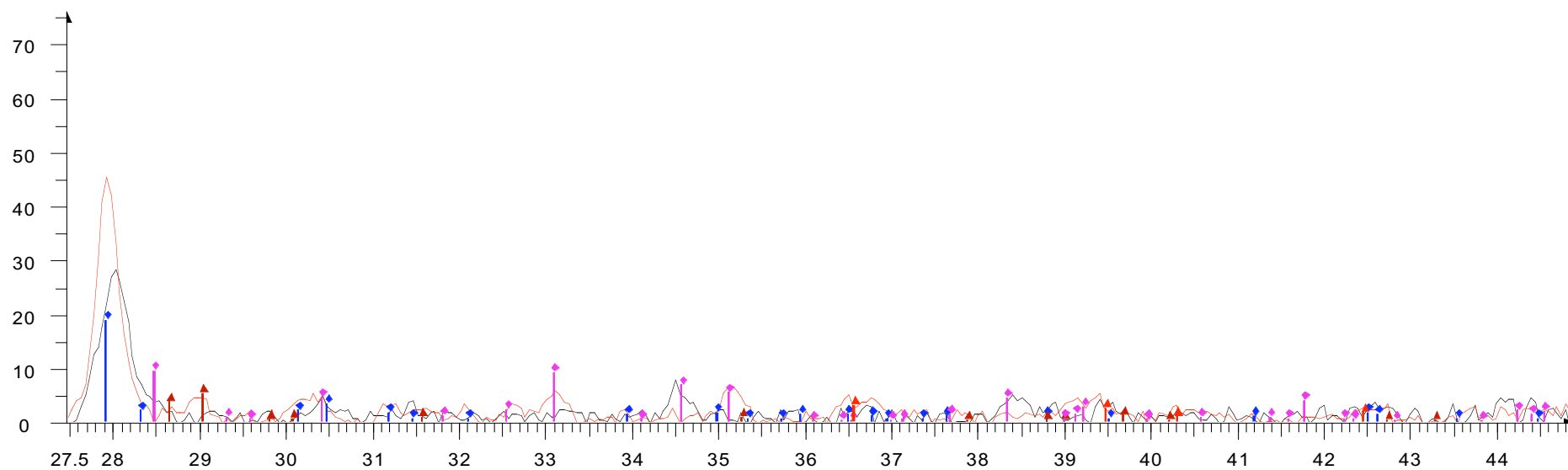
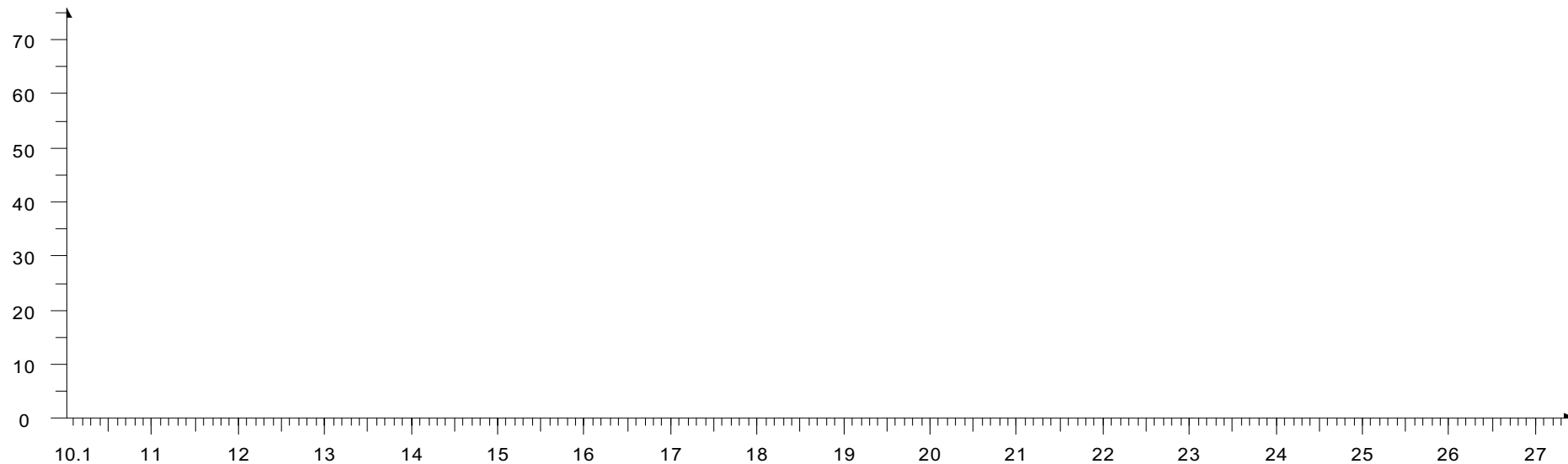
Bucket material. slide S3 - File: KristinBMS3 19.raw









Bucket material. slide S3

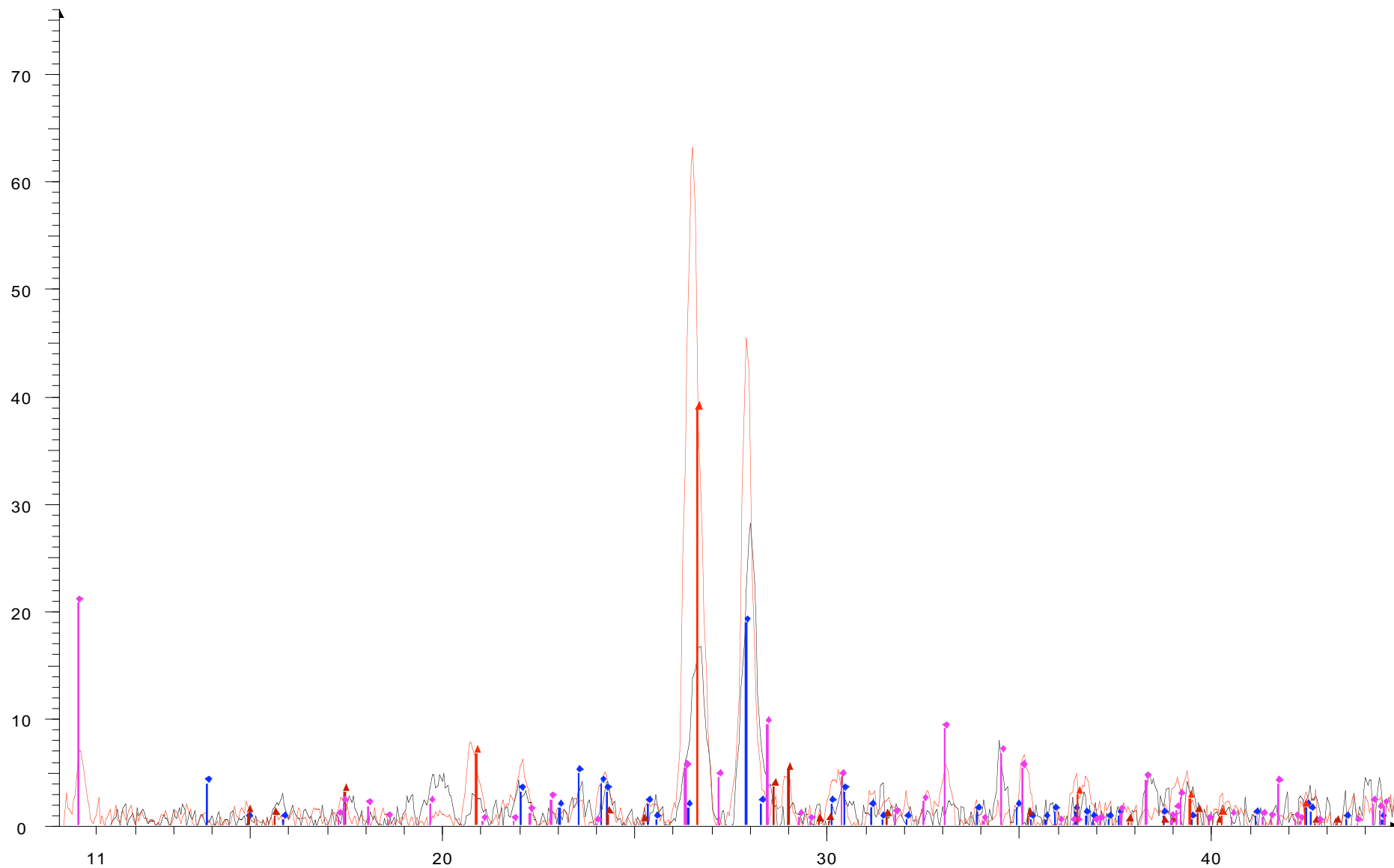
Bucket material. slide S3

Bucket material. slide S3 - File: KristinBMS3 16.raw



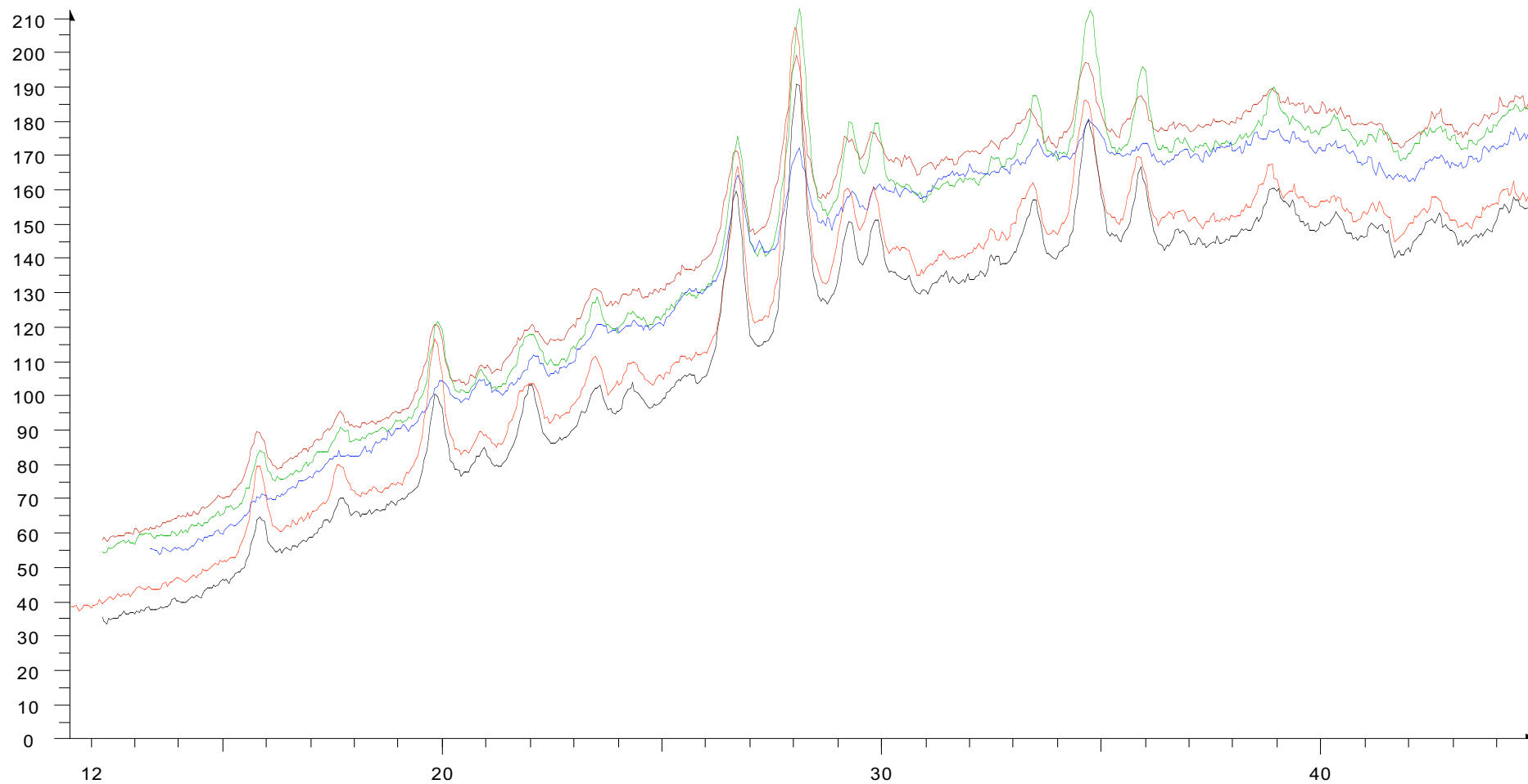
### 2-Theta - Scale

-  Bucket material. slide S3      Bucket material. slide S3      Bucket material. slide S3 - File: KristinBMS3 19.raw
-  Bucket material. slide S3      Bucket material. slide S3      Bucket material. slide S3 - File: KristinBMS3 16.raw
-  85-0796 (C) - Quartz - SiO<sub>2</sub>
-  09-0466 (\*) - Albite. ordered - NaAlSi<sub>3</sub>O<sub>8</sub>
-  36-0427 (\*) - Jarosite, OH-rich - (K.H<sub>3</sub>O)Fe<sub>3</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>6</sub>
-  73-1135 (C) - Amphibole - Al<sub>3.2</sub>Ca<sub>3.4</sub>Fe<sub>4.0</sub>K<sub>0.6</sub>Mg<sub>6.0</sub>Na<sub>1.0</sub>Si<sub>12.8</sub>O<sub>44</sub>(OH)<sub>4</sub>



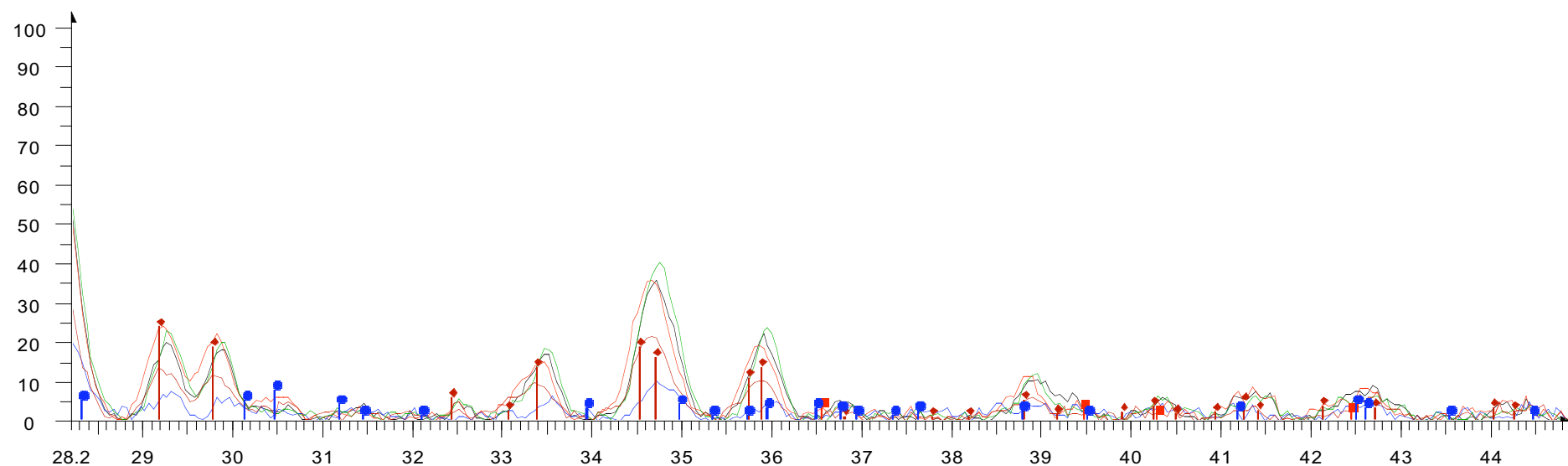
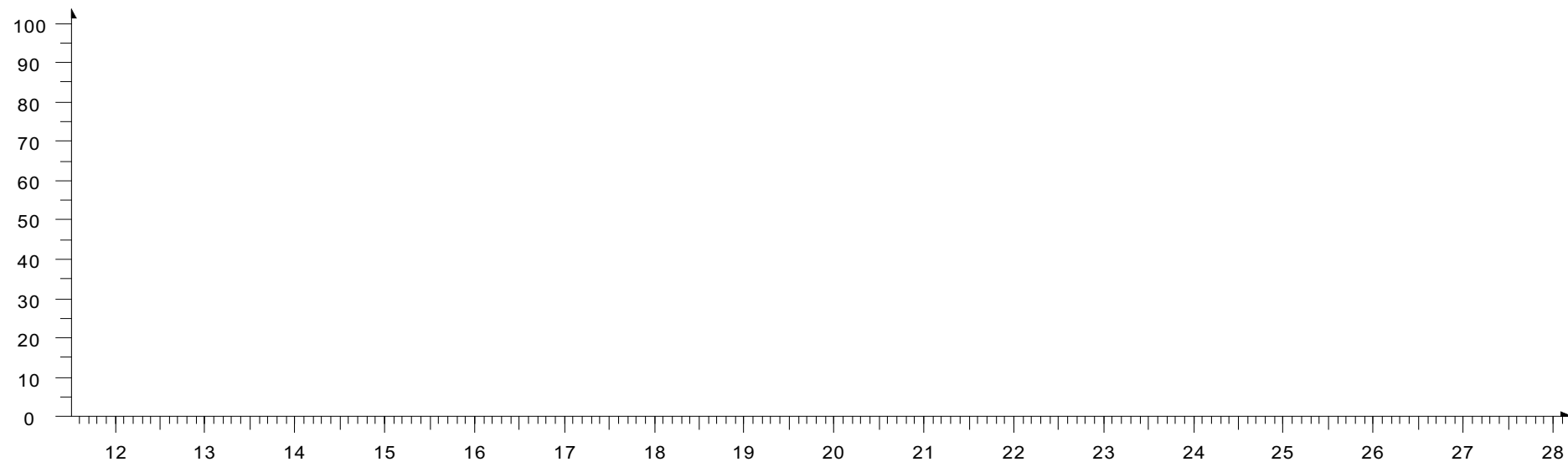
### 2-Theta - Scale

- |  |   |                           |  |
|--|---|---------------------------|--|
|  | Bucket material. slide S3   | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 19.raw |
|  | Bucket material. slide S3   | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 16.raw |
|  | 85-0796 (C) - Quartz - SiO <sub>2</sub>   |                           |  |
|  | 09-0466 (*) - Albite, ordered - NaAlSi <sub>3</sub> O <sub>8</sub>  |                           |  |
|  | 36-0427 (*) - Jarosite, OH-rich - (K,H <sub>3</sub> O)Fe <sub>3</sub> (SO <sub>4</sub> ) <sub>2</sub> (OH) <sub>6</sub>   |                           |  |
|  | 73-1135 (C) - Amphibole - Al <sub>3.2</sub> Ca <sub>3.4</sub> Fe <sub>4.0</sub> K <sub>0.6</sub> Mg <sub>6.0</sub> Na <sub>1.0</sub> Si <sub>12.8</sub> O <sub>44</sub> (OH) <sub>4</sub> |                           |  |



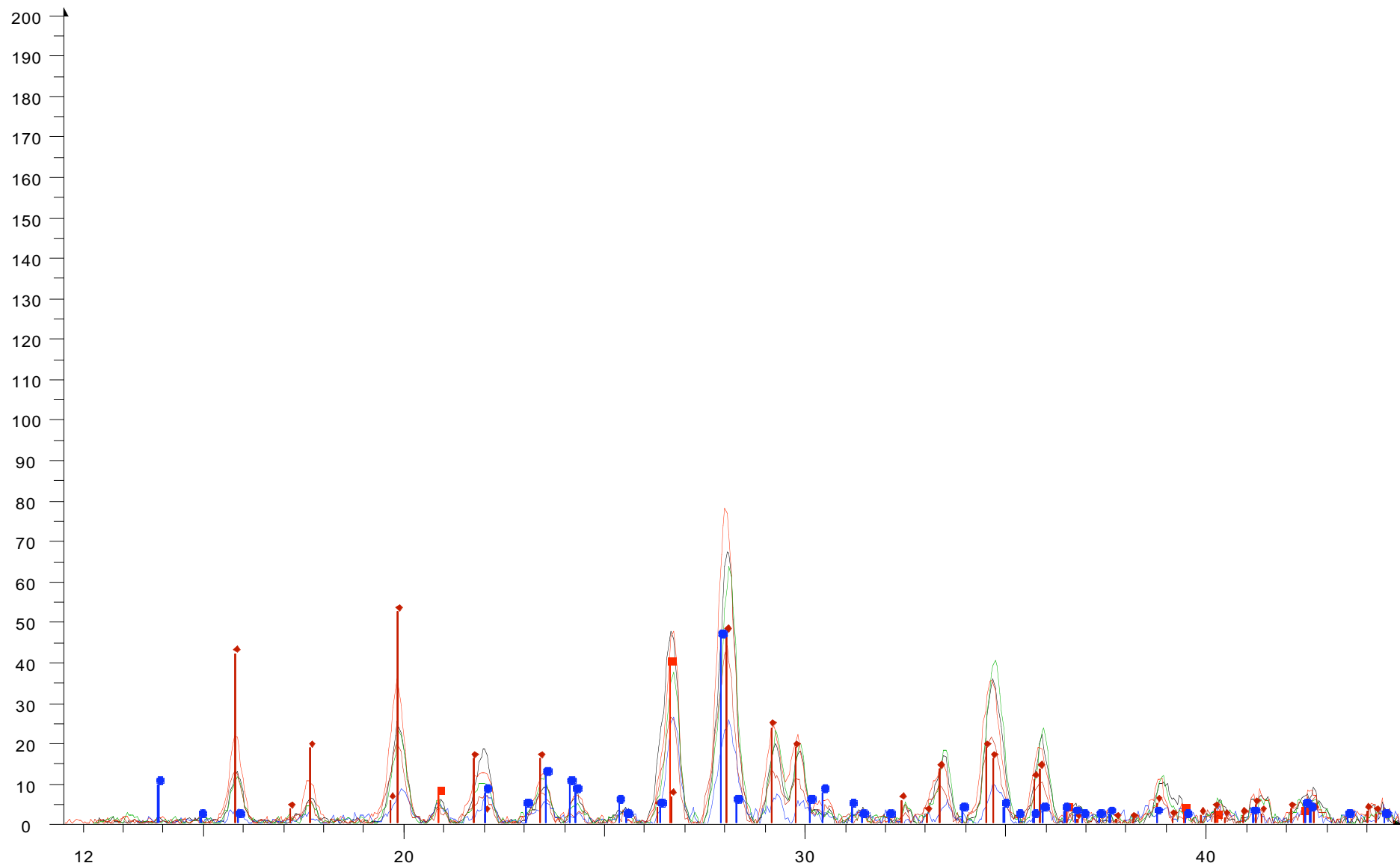
## 2-Theta - Scale

Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 20.raw
Y + 3.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 22.raw
Y + 6.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 24.raw
Y + 9.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 26.raw
Y + 12.0 mm - Bucket material, slide S3	Bucket material, slide S3	Bucket material, slide S3 - File: KristinBMS3 27.raw



### 2-Theta - Scale

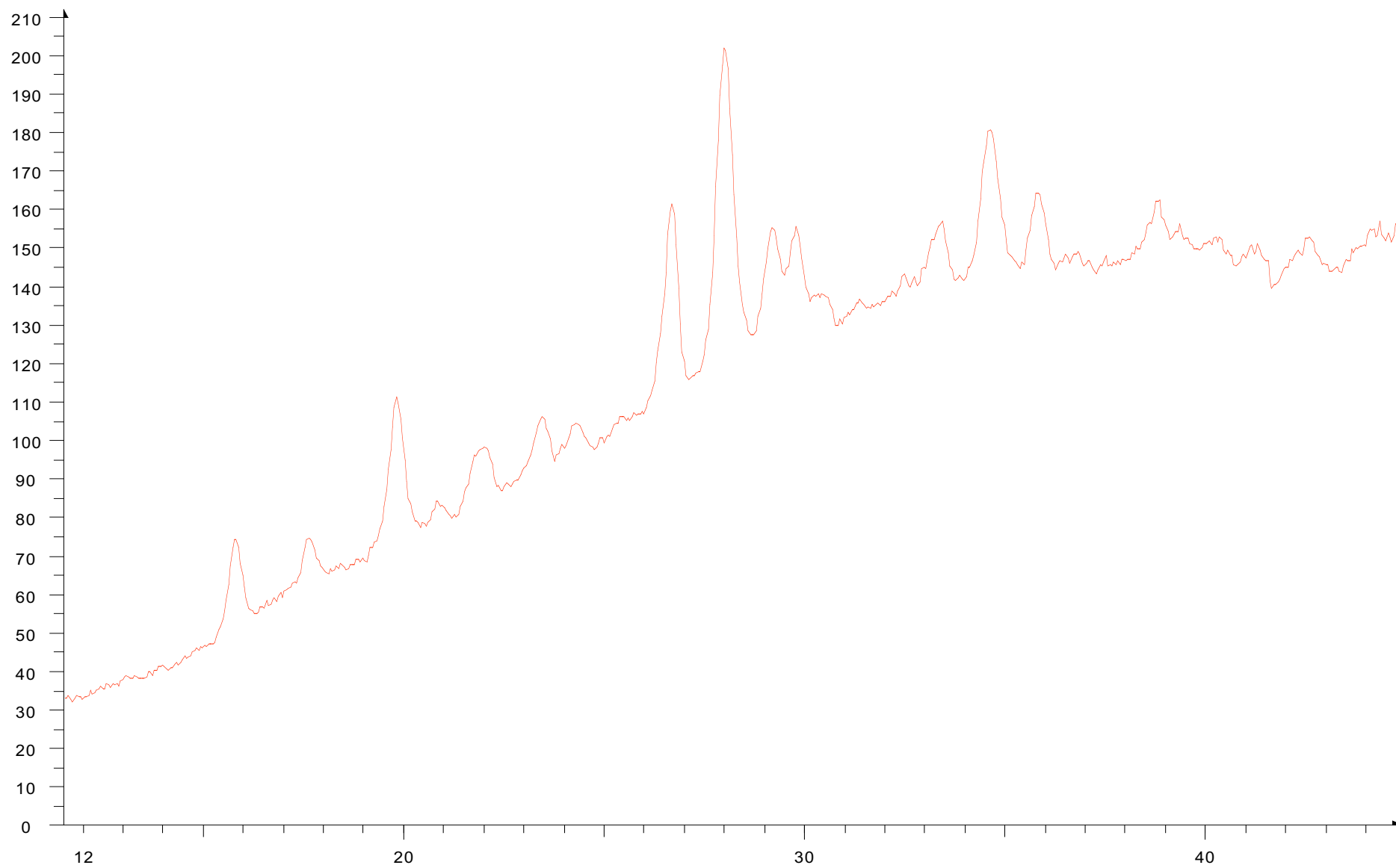
- |  |  |                           |  |
|--|--|---------------------------|--|
|  | Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 20.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 22.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 24.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 26.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 27.raw |
|  | 85-0796 (C) - Quartz - SiO <sub>2</sub>                            |                           |  |
|  | 37-0468 (*) - Scorodite - FeAsO <sub>4</sub> ·2H <sub>2</sub> O    |                           |  |
|  | 09-0466 (*) - Albite. ordered - NaAlSi <sub>3</sub> O <sub>8</sub> |                           |  |



### 2-Theta - Scale

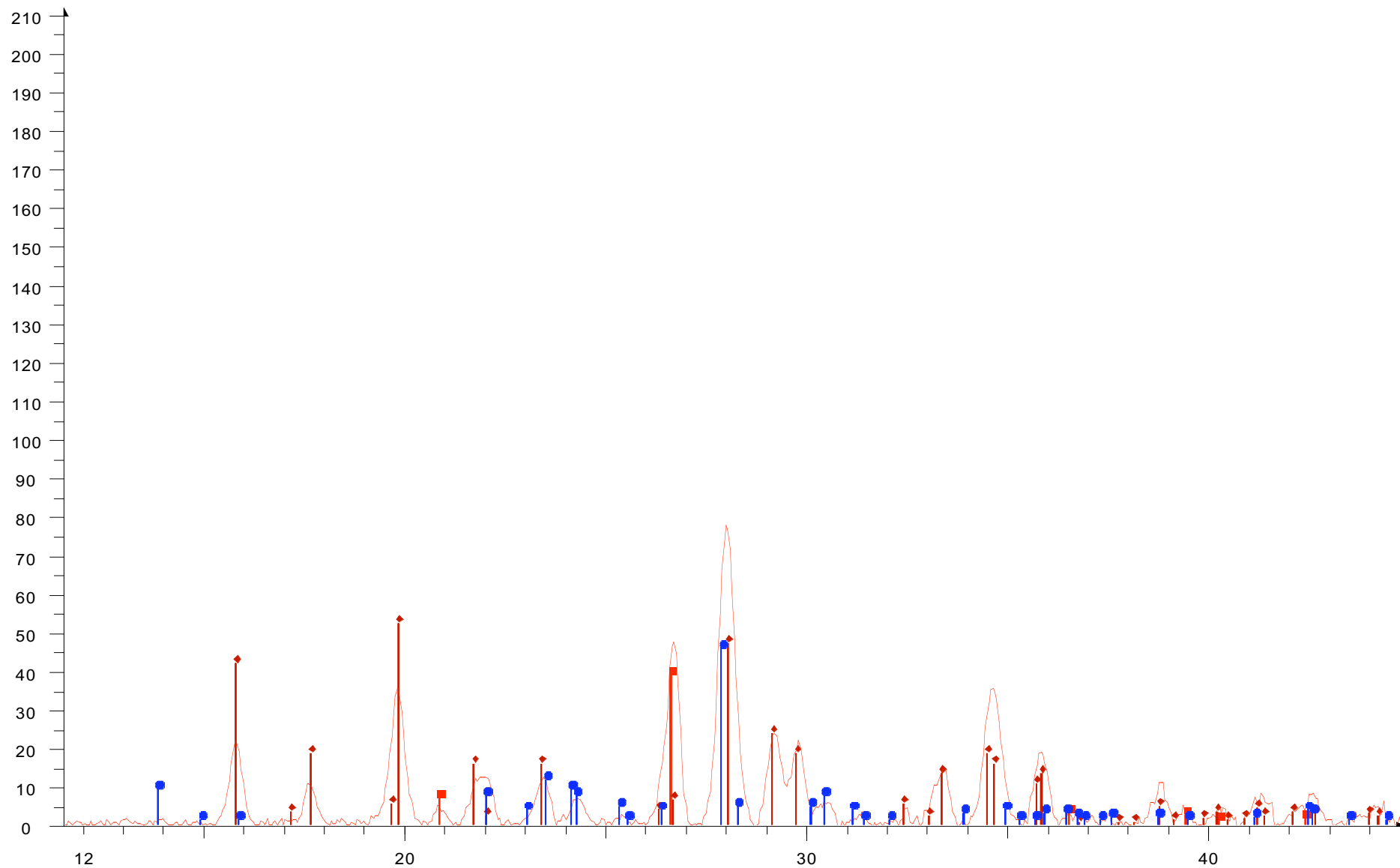
- |  |  |  |
|--|--|--|
|  | Bucket material. slide S3  | Bucket material. slide S3 - File: KristinBMS3 20.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 - File: KristinBMS3 22.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 - File: KristinBMS3 24.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 - File: KristinBMS3 26.raw |
|  | Bucket material. slide S3  | Bucket material. slide S3 - File: KristinBMS3 27.raw |
|  | 85-0796 (C) - Quartz - SiO <sub>2</sub>                            |  |
|  | 37-0468 (*) - Scorodite - FeAsO <sub>4</sub> ·2H <sub>2</sub> O    |  |
|  | 09-0466 (*) - Albite. ordered - NaAlSi <sub>3</sub> O <sub>8</sub> |  |





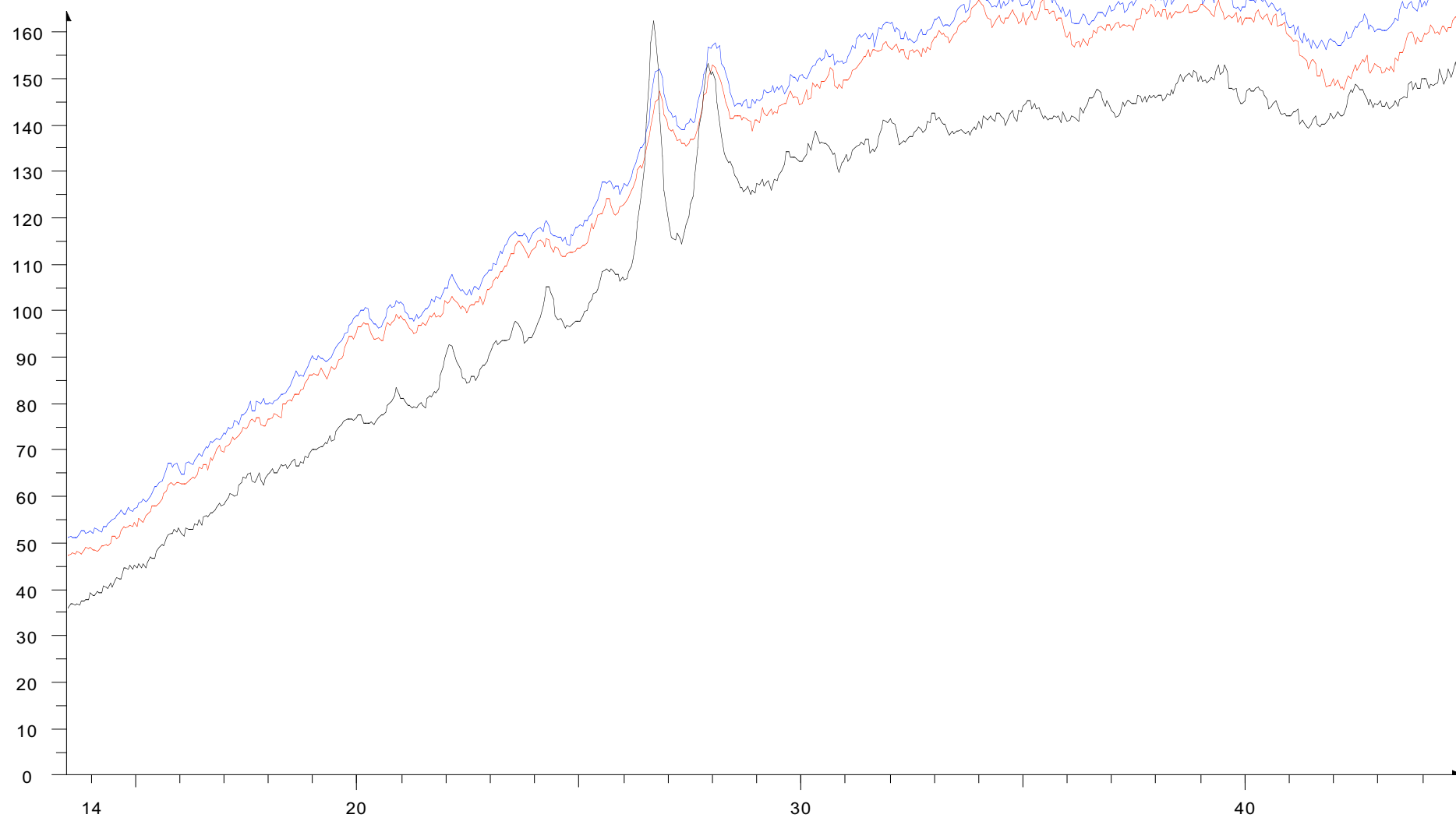
 File: KristinBMS3 22.raw

2-Theta - Scale



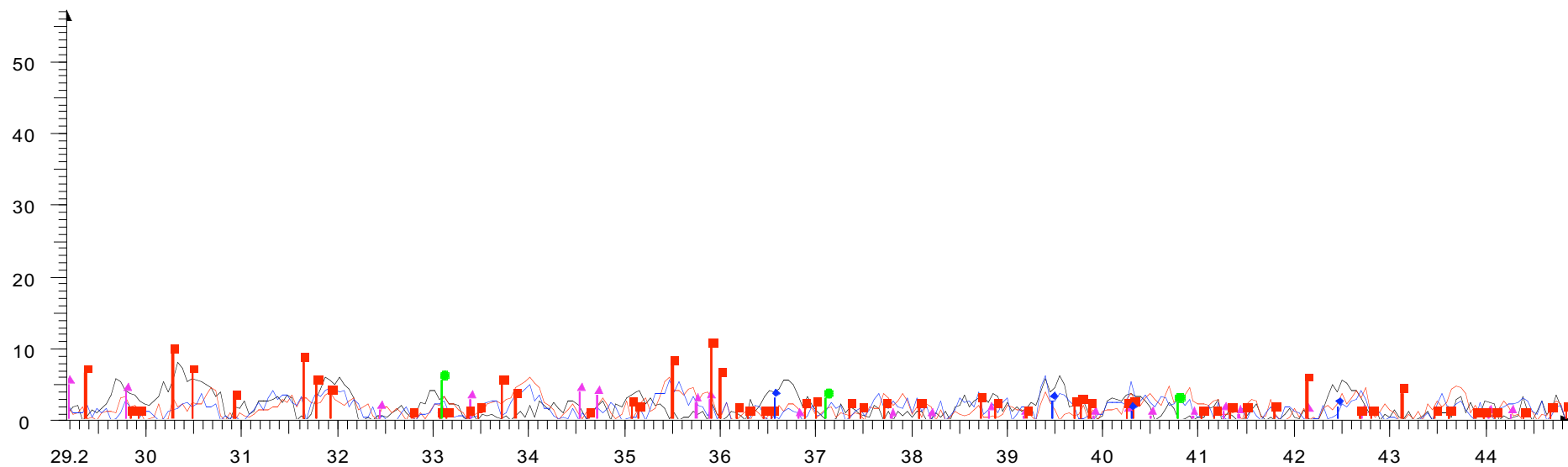
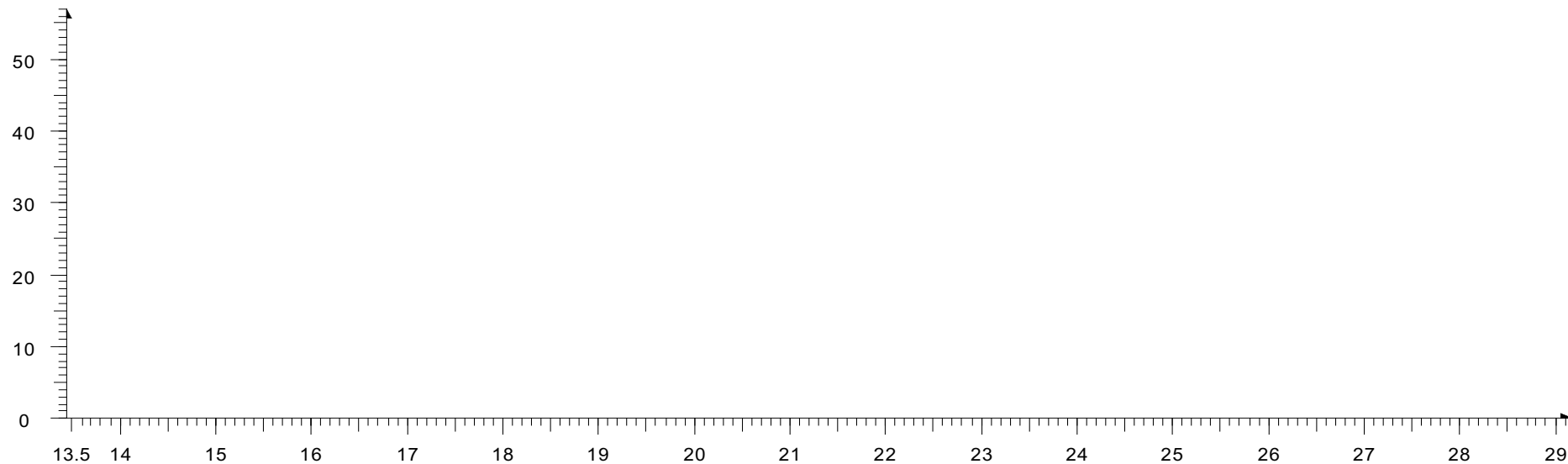
### 2-Theta - Scale

- Bucket material. slide S3    Bucket material. slide S3    Bucket material. slide S3 - File: KristinBMS3 22.raw
- 85-0796 (C) - Quartz - SiO<sub>2</sub>
  - 37-0468 (\*) - Scorodite - FeAsO<sub>4</sub>·2H<sub>2</sub>O
  - 09-0466 (\*) - Albite. ordered - NaAlSi<sub>3</sub>O<sub>8</sub>



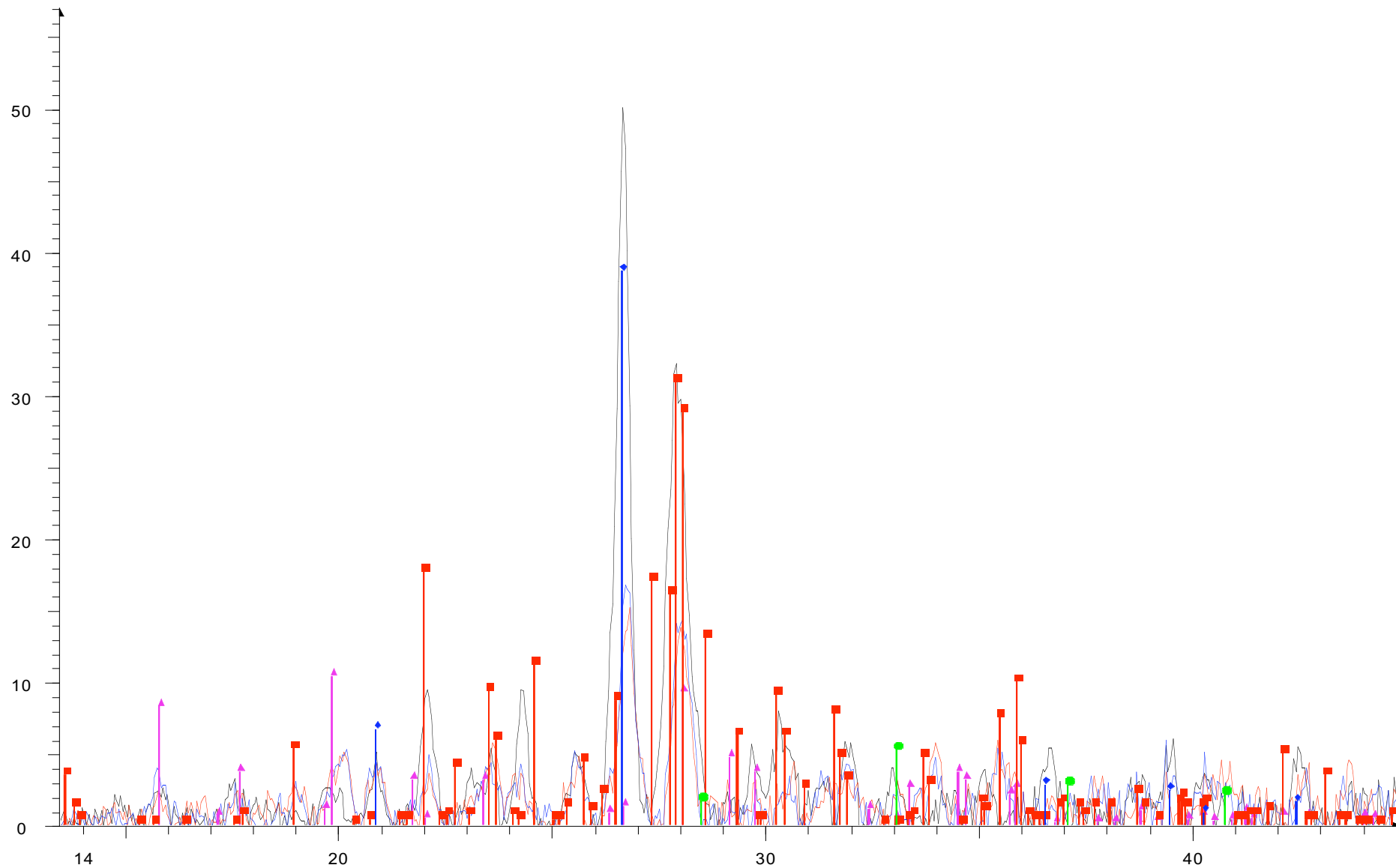
## 2-Theta - Scale

Bucket material, slide S3    Bucket material, slide S3    Bucket material, slide S3 - File: KristinBMS3 21.raw  
Y + 3.0 mm - Bucket material, slide S3    Bucket material, slide S3    Bucket material, slide S3 - File: KristinBMS3 23.raw  
Y + 6.0 mm - Bucket material, slide S3    Bucket material, slide S3    Bucket material, slide S3 - File: KristinBMS3 25.raw



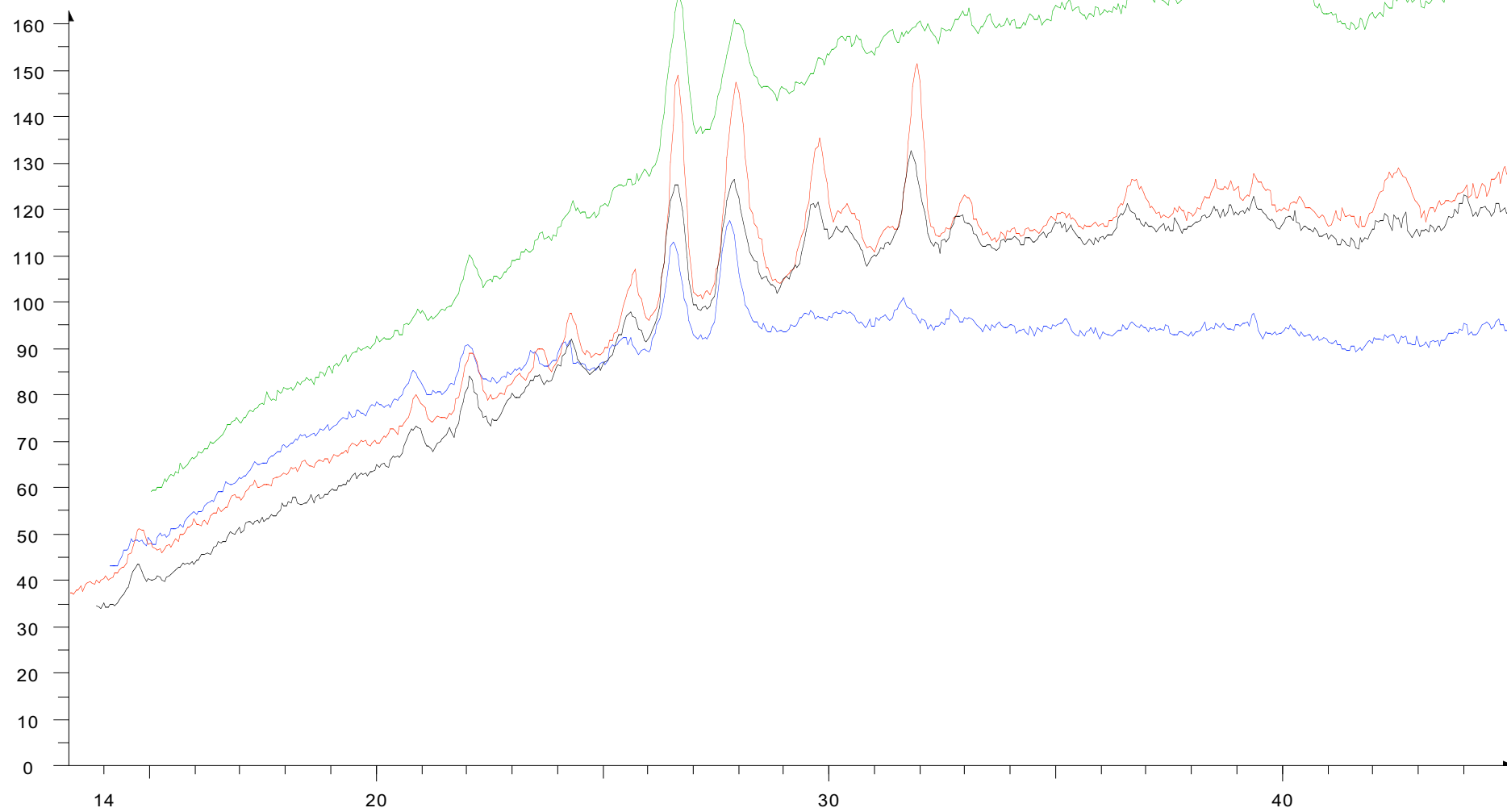
### 2-Theta - Scale

- |  |   |                           |  |
|--|---|---------------------------|--|
|  | Bucket material. slide S3   | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 21.raw |
|  | Bucket material. slide S3   | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 23.raw |
|  | Bucket material. slide S3   | Bucket material. slide S3 | Bucket material. slide S3 - File: KristinBMS3 25.raw |
|  | 85-0796 (C) - Quartz - SiO <sub>2</sub>                                       |                           |  |
|  | 37-0468 (*) - Scorodite - FeAsO <sub>4</sub> ·2H <sub>2</sub> O               |                           |  |
|  | 86-1705 (C) - Anorthite - Ca(Al <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> ) |                           |  |
|  | 42-1340 (*) - Pvrite - FeS <sub>2</sub>                                       |                           |  |



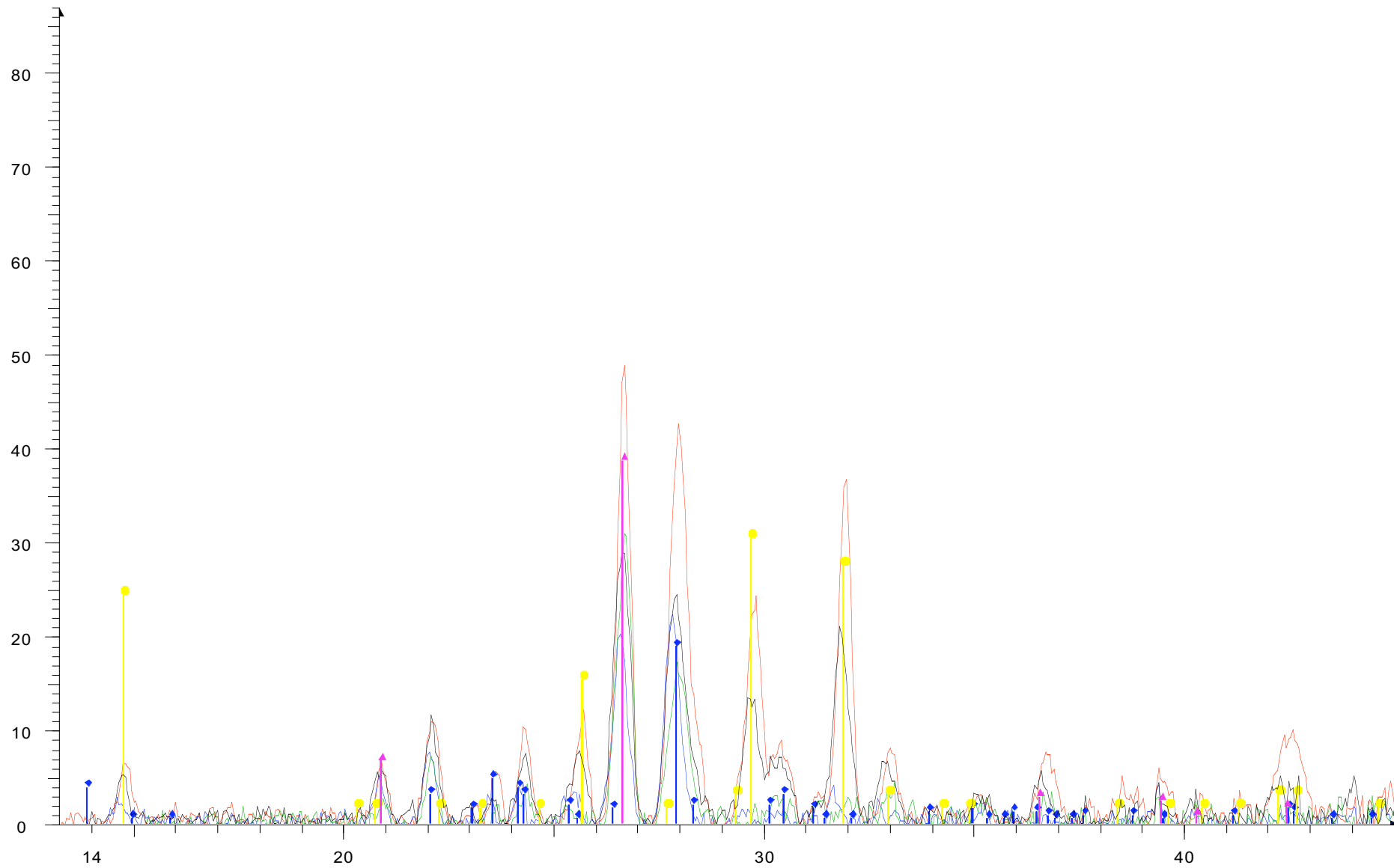
## 2-Theta - Scale

- |  |   |  |
|--|---|--|
|  | Bucket material. slide S3   | Bucket material. slide S3 - File: KristinBMS3 21.raw |
|  | Bucket material. slide S3   | Bucket material. slide S3 - File: KristinBMS3 23.raw |
|  | Bucket material. slide S3   | Bucket material. slide S3 - File: KristinBMS3 25.raw |
|  | 85-0796 (C) - Quartz - SiO <sub>2</sub>                                       |  |
|  | 37-0468 (*) - Scorodite - FeAsO <sub>4</sub> ·2H <sub>2</sub> O               |  |
|  | 86-1705 (C) - Anorthite - Ca(Al <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> ) |  |
|  | 42-1340 (*) - Pvrite - FeS <sub>2</sub>                                       |  |



2-Theta - Scale

- File: KristinBMS3 28.raw
- Y + 3.0 mm - File: KristinBMS3 29.raw
- Y + 6.0 mm - File: KristinBMS3 30.raw
- Y + 9.0 mm - File: KristinBMS3 31.raw



- File: KristinBMS3 28.raw  
File: KristinBMS3 29.raw  
File: KristinBMS3 30.raw  
File: KristinBMS3 31.raw  
85-0796 (C) - Quartz - SiO2  
09-0466 (\*) - Albite, ordered - NaAlSi3O8  
41-0224 (I) - Bassanite, svn - CaSO4·0.5H2O