1 experimental

1 calculated
2 experimental

2 calculated
3 experimental

\begin{figure}
\centering
\includegraphics[width=\textwidth]{experimental.png}
\caption{Experimental X-ray diffraction pattern.}
\end{figure}

3 calculated

\begin{figure}
\centering
\includegraphics[width=\textwidth]{calculated.png}
\caption{Calculated X-ray diffraction pattern.}
\end{figure}
4 experimental

4 calculated
5 experimental

5 calculated
6 experimental

6 calculated
7 experimental

7 calculated
10 experimental

10 calculated
11 experimental

![Graph showing experimental data with peaks at specific 2-theta values.]

11 calculated

![Graph showing calculated data with peaks at specific 2-theta values.]

---

**11 experimental**

![Graph showing experimental data with peaks at specific 2-theta values.]

**11 calculated**

![Graph showing calculated data with peaks at specific 2-theta values.]

---

11
12 experimental

12 calculated
13 experimental

13 calculated
14 experimental

[Graph showing experimental data with labels and axes]

14 calculated

[Graph showing calculated data with labels and axes]
16 experimental

16 calculated
17 experimental

17 calculated
18 experimental

Monty

18 calculated
19 experimental

19 calculated
20 experimental

20 calculated