Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period \_\_\_\_\_

**Directions:** Using the graph below:

1. ***Determine the percent of each isotope in nature.***
2. ***Determine the average atomic mass of this isotope.***

\*Show ALL of your work. Use the back of this sheet if necessary.

**Mass Spectrometry of an Unknown Element**



**Check for understanding:**

1. **How many isotopes does this element have?**
2. **What is the average atomic mass of this element?**

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| **Peak #** | **Base****(\_\_\_\_\_\_\_)** | **Height****(\_\_\_\_\_\_\_)** | **Area****(\_\_\_\_\_\_)** | **Percentage** |
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