**Test Case Name:** Verify Calories Calculation Formula for Edited Nutrient

**Story:**Scenario 2: edit nutrient  
Given a nutrient  
And I am on the nutrients dashboard page  
When I select the action edit  
Then I can edit nutrient details  
And the data should change in the table.

**Description:**Validate that the calorie calculation for an edited nutrient is accurate based on the given formula and that the updated details are displayed correctly in the table.

**Precondition:**

* A nutrient exists in the table.
* The user is on the Nutrients Dashboard page.

**Test Steps:**

1. Navigate to the Nutrients Dashboard page.
2. Select a nutrient from the table and click the **Edit** action.
3. Edit the nutrient details with the following values:
   * **Protein:** 12 grams
   * **Carbs:** 20 grams
   * **Fat:** 10 grams
   * **Alcohol:** 4 grams
   * **Sugar Alcohol:** 2 grams
4. Save the updated nutrient.
5. Calculate the expected calories using the formula:  
   **Calories = (4 x protein) + (4 x carbs) + (9 x fat) + (7 x alcohol) + (2 x sugar alcohol)  
   Expected Calories = (4 \* 12) + (4 \* 20) + (9 \* 10) + (7 \* 4) + (2 \* 2)  
   Expected Calories = 48 + 80 + 90 + 28 + 4 = 250**
6. Verify that the updated calculated calories displayed in the table is **250**.
7. Check if the edited nutrient details (protein, carbs, fat, alcohol, sugar alcohol) are correctly updated and displayed in the table.

**Test Data:**

* Protein: 12 grams
* Carbs: 20 grams
* Fat: 10 grams
* Alcohol: 4 grams
* Sugar Alcohol: 2 grams

**Expected Result:**

* The nutrient should be successfully updated, and the correct calorie value (**250**) should be displayed in the table.
* The updated nutrient details (protein, carbs, fat, alcohol, sugar alcohol) should be correctly displayed in the table.

**Postcondition:**

* The edited nutrient remains saved, and the updated calorie calculation is accurate.