

Metody przetwarzania dużej ilości danych - projekt

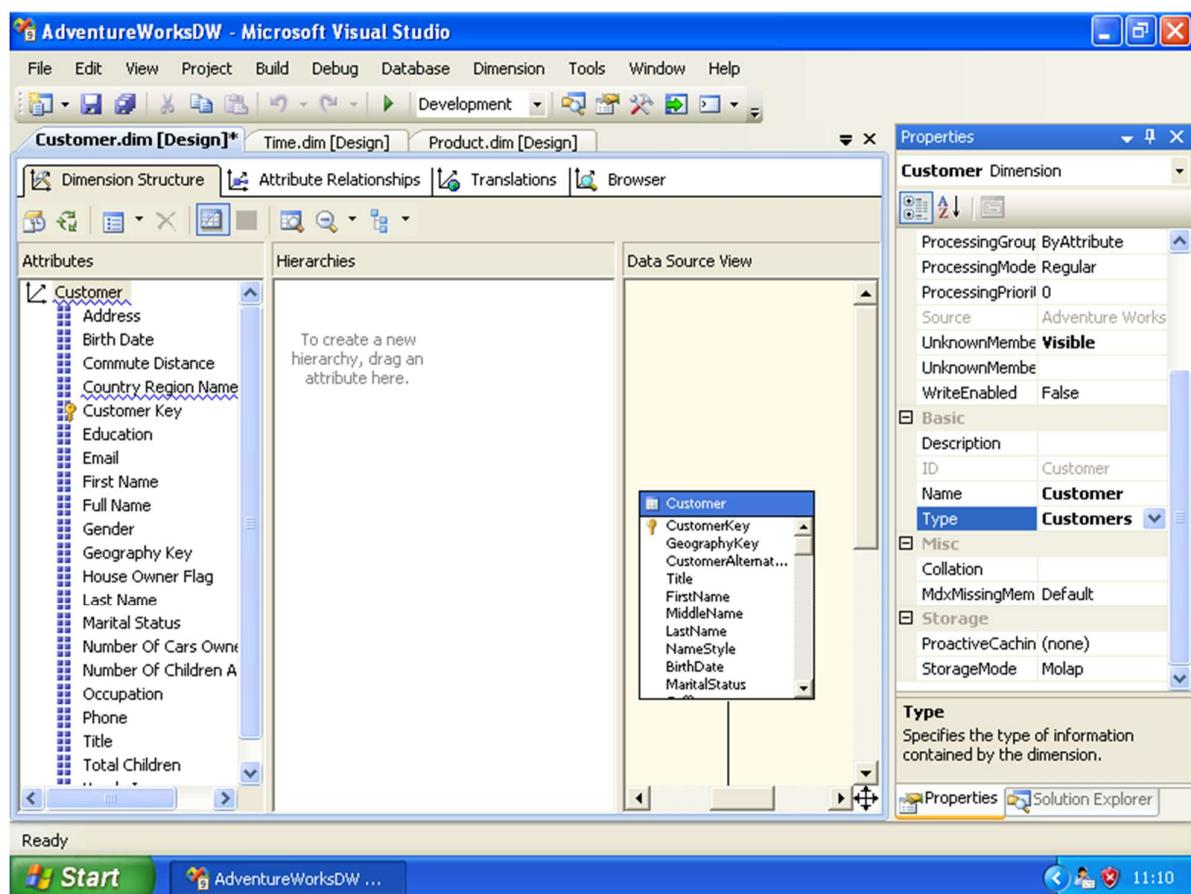
Sprawozdanie nr 4

Adam Hyjek 234987, Bartosz Rodziewicz 226105

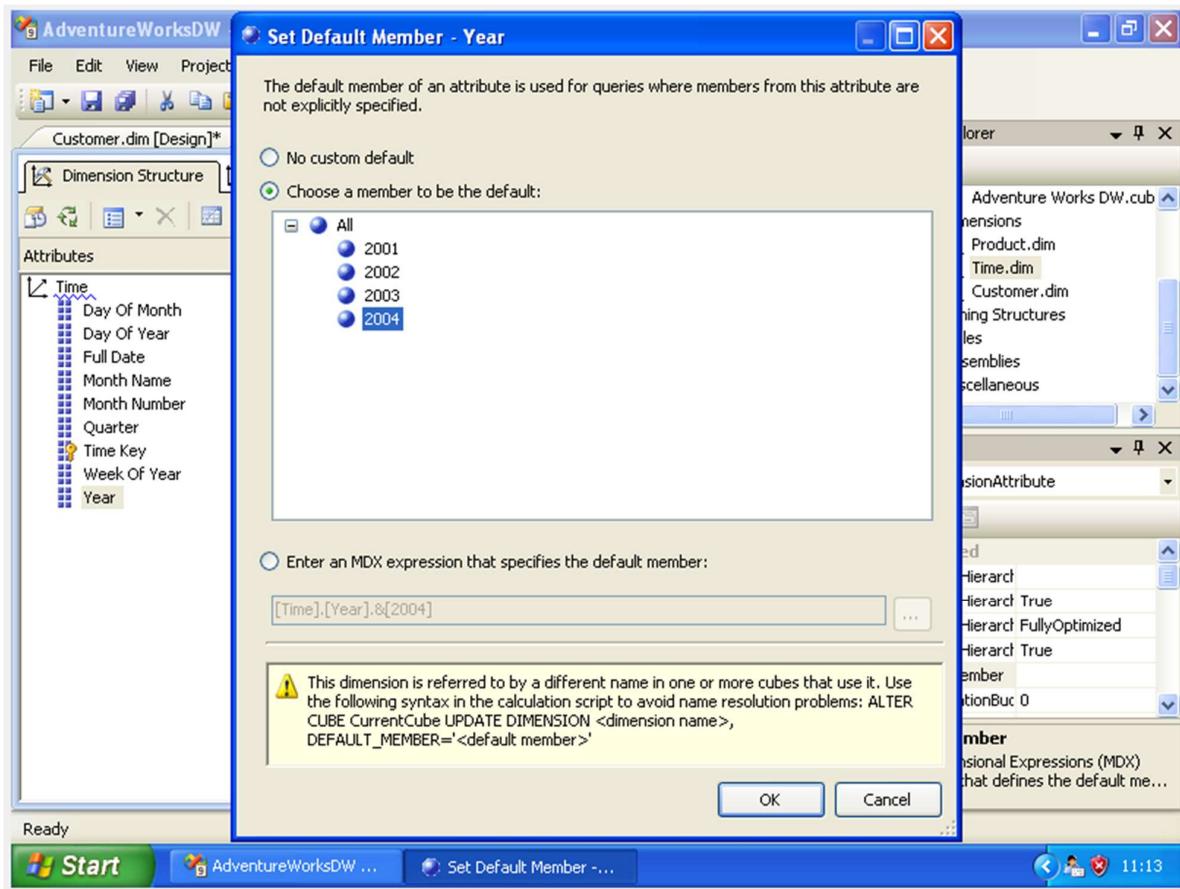
1 grudnia 2020

W ramach czwartej instrukcji przedstawiono proces przeprowadzania zaawansowanych operacji dla usług analizy danych oraz nowej funkcjonalności niezbędne do prawidłowego zbudowania kostki danych takich jak edycja źródła danych, tworzenie perspektywy kostki, czy definiowanie agregatów kalkulowanych. W sprawozdaniu zawarto także modyfikację istniejących kostek danych i wymiarów, ustawianie elementów domyślnych, całkowitych oraz niezdefiniowanych, zmianianie formatowania poziomów, dodawanie nowych agregacji kalkulowanych, perspektyw w kostce i nowych kostek danych.

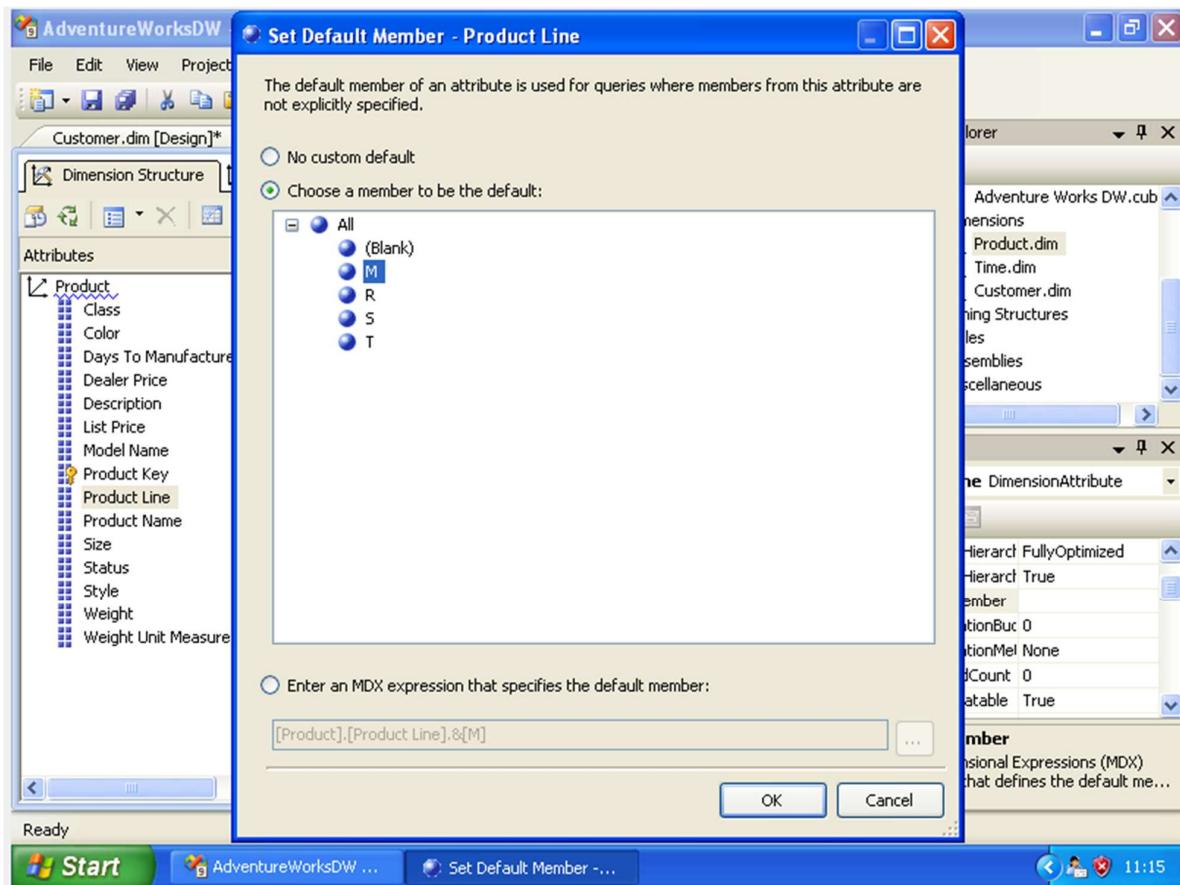
Zadania podstawowe:



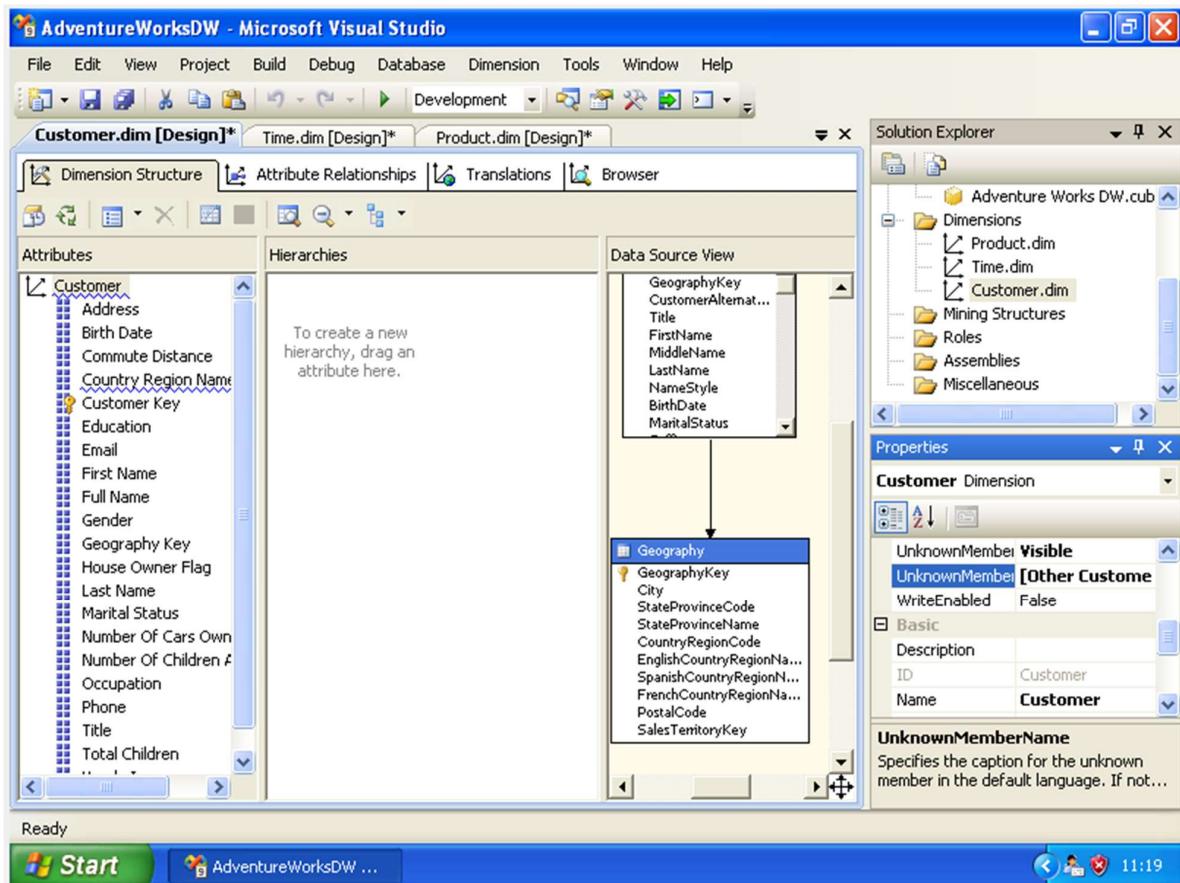
Rysunek 1: Zmiana typu wymiaru na Customers



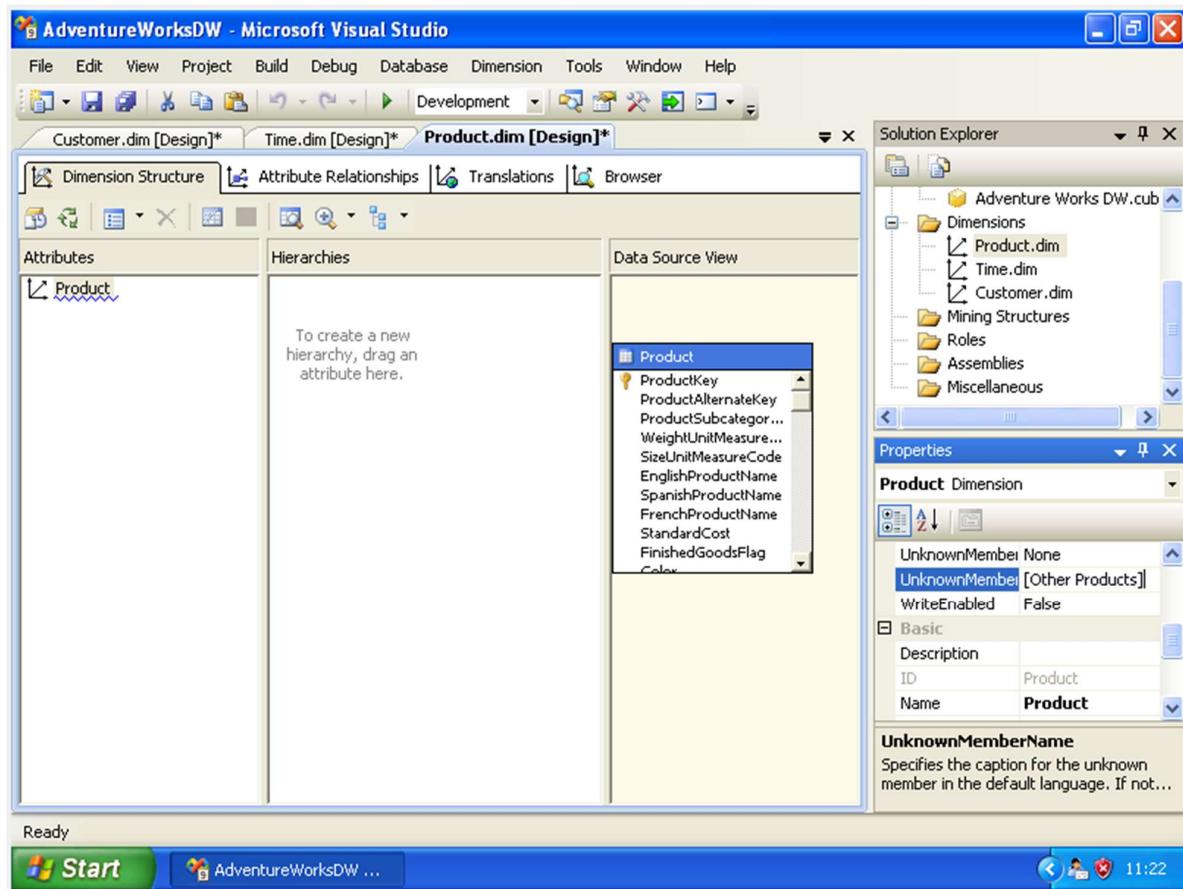
Rysunek 2: Ustawienie Default Member na 2004 w poziomie Year



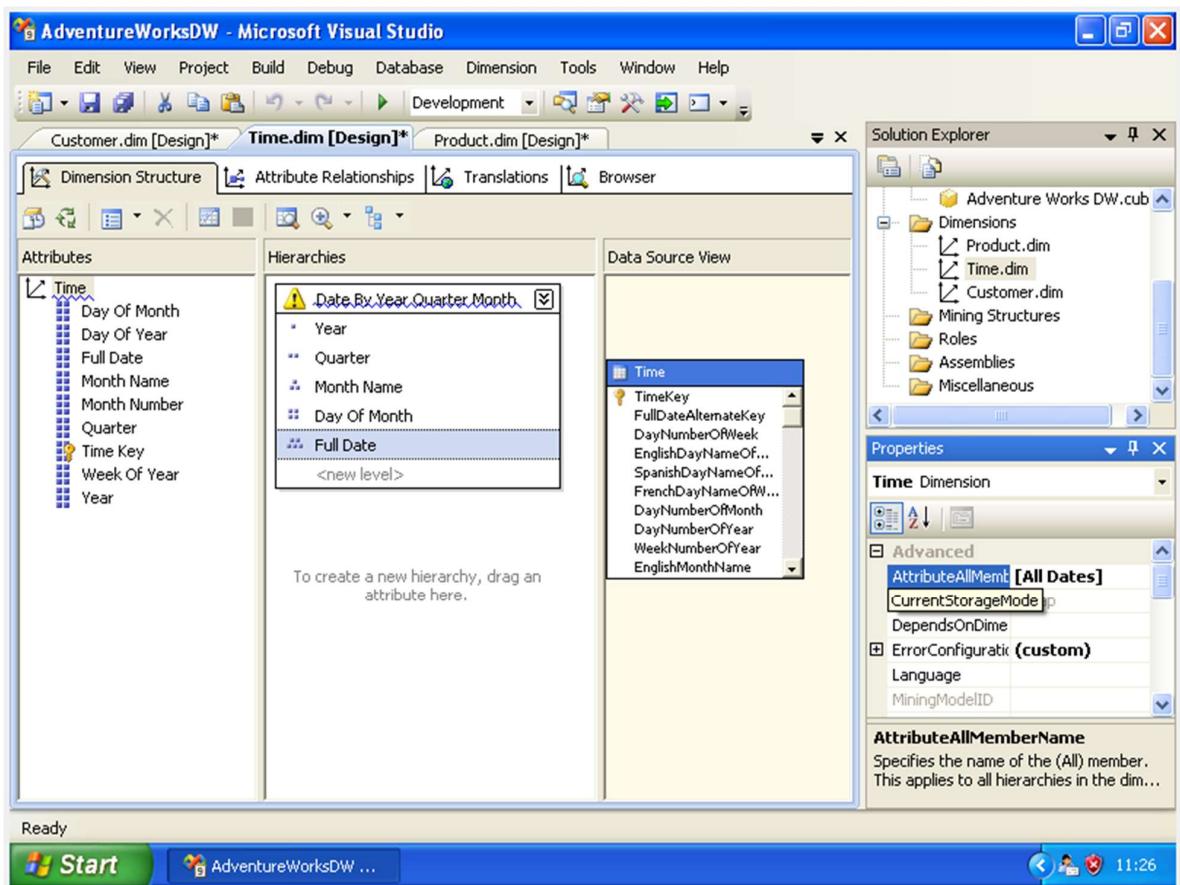
Rysunek 3: Ustawienie Default Member na ProductLineM w poziomie Product Line



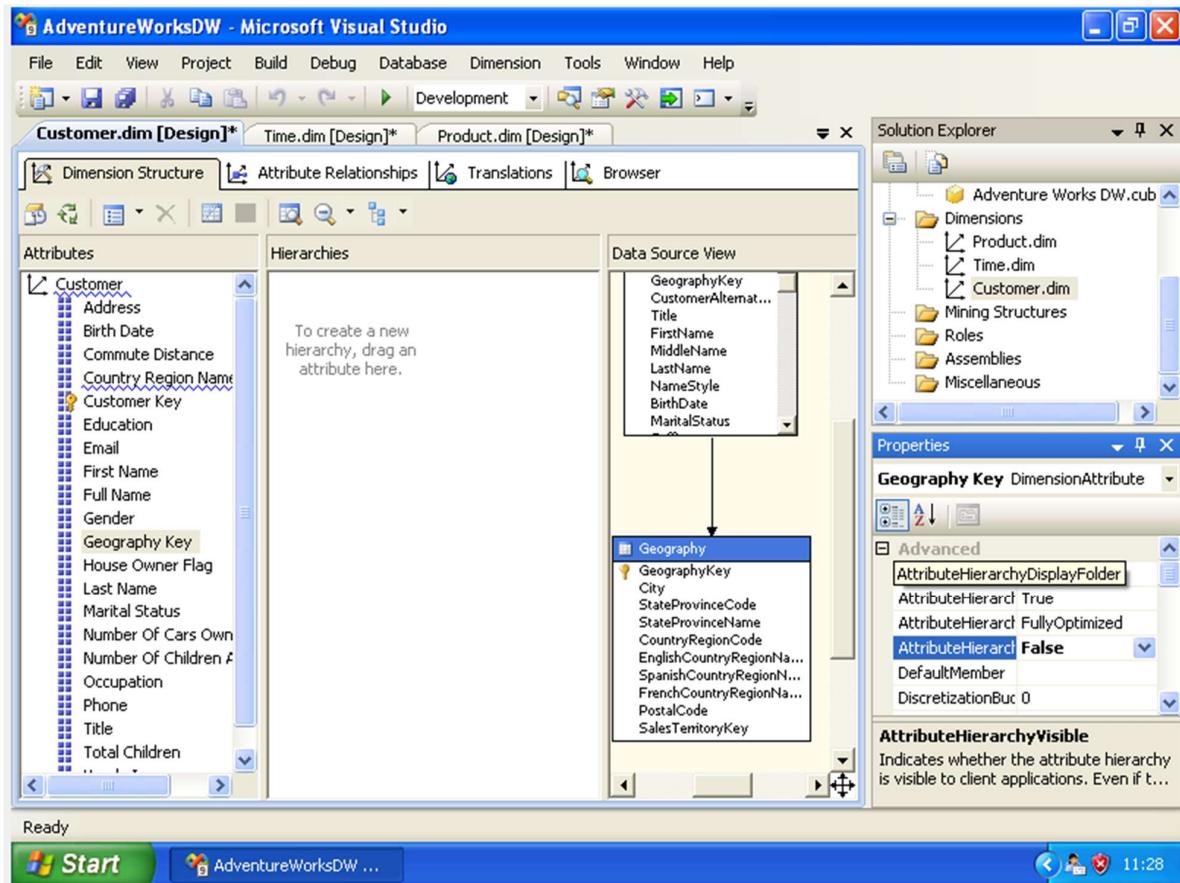
Rysunek 4: Ustawienie parametru UnknownMemberName w wymiarze Customer



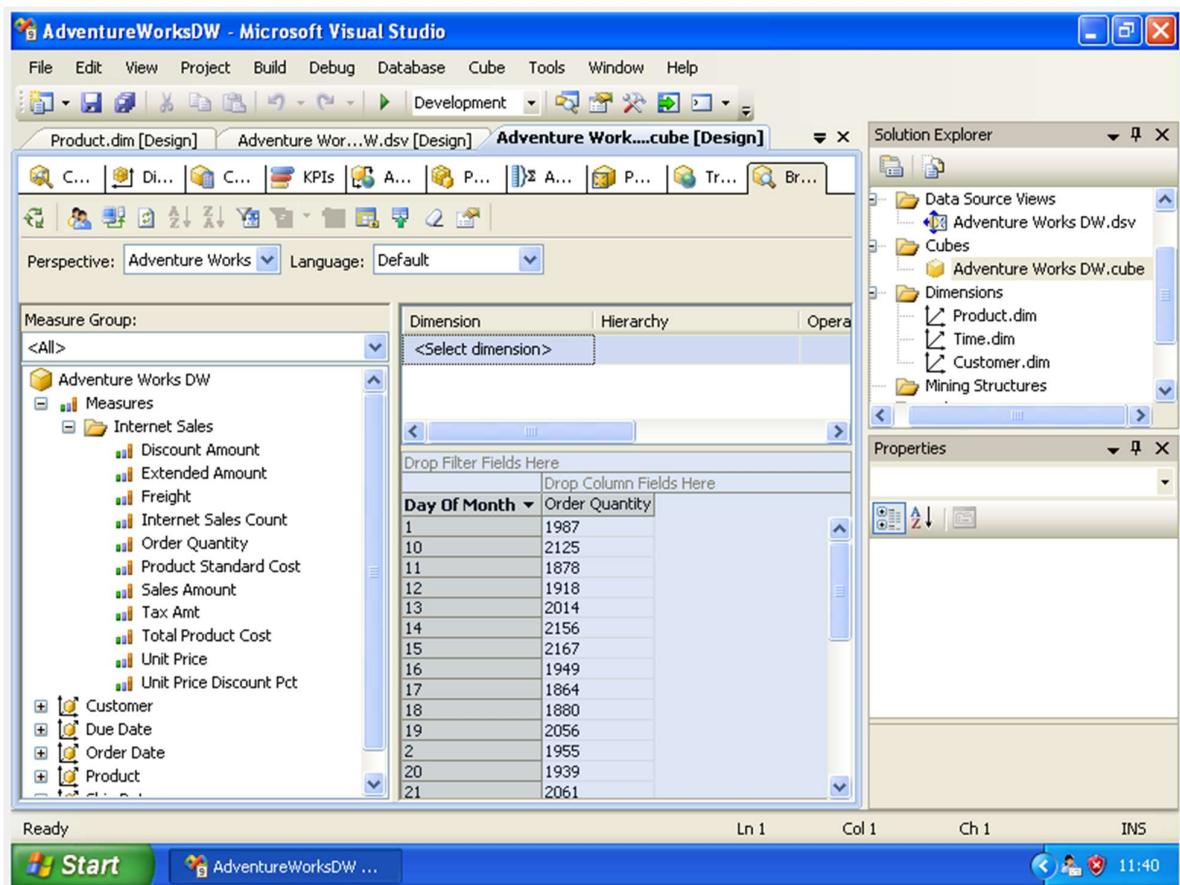
Rysunek 5: Ustawienie nazwy elementu niezdefiniowanego na OtherProducts dla wymiaru Produkt



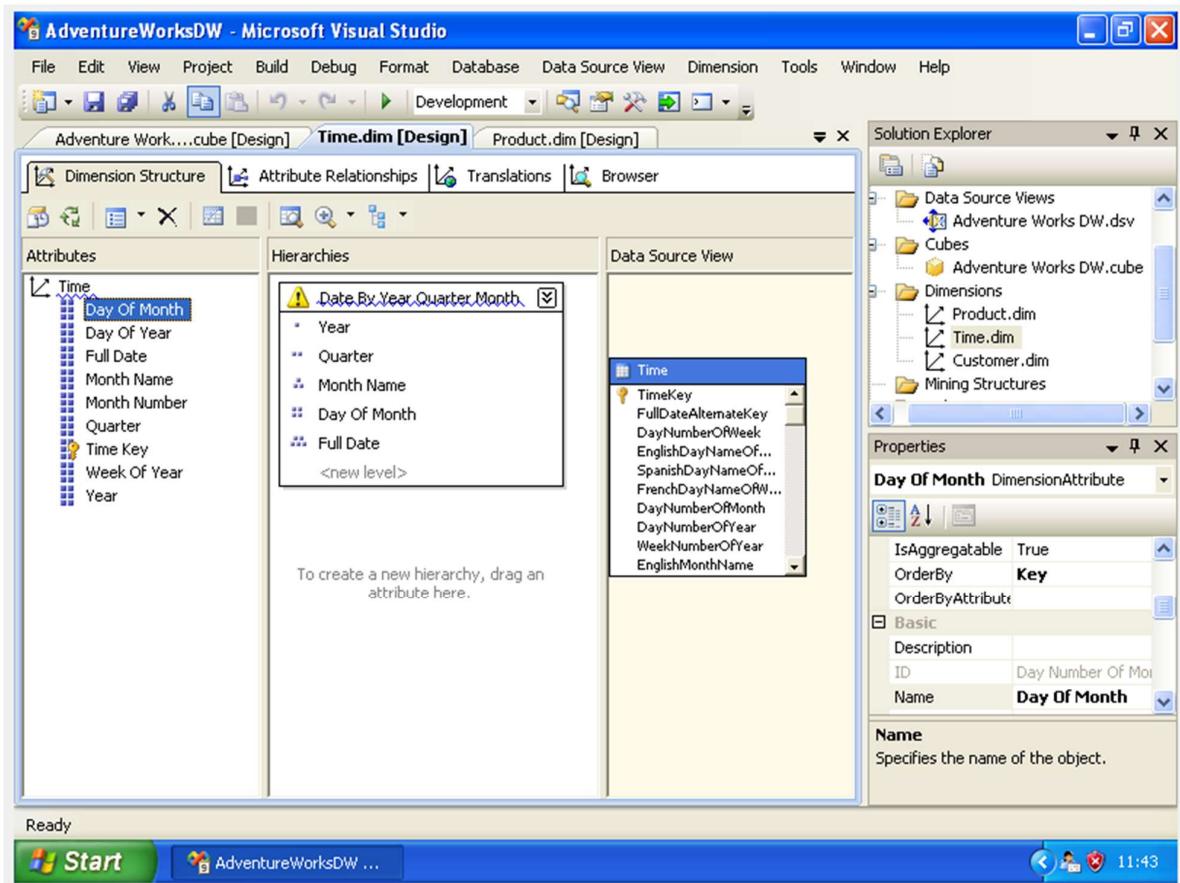
Rysunek 6: Ustawienie atrybutu AttributeAllMemberName w wymiarze Time



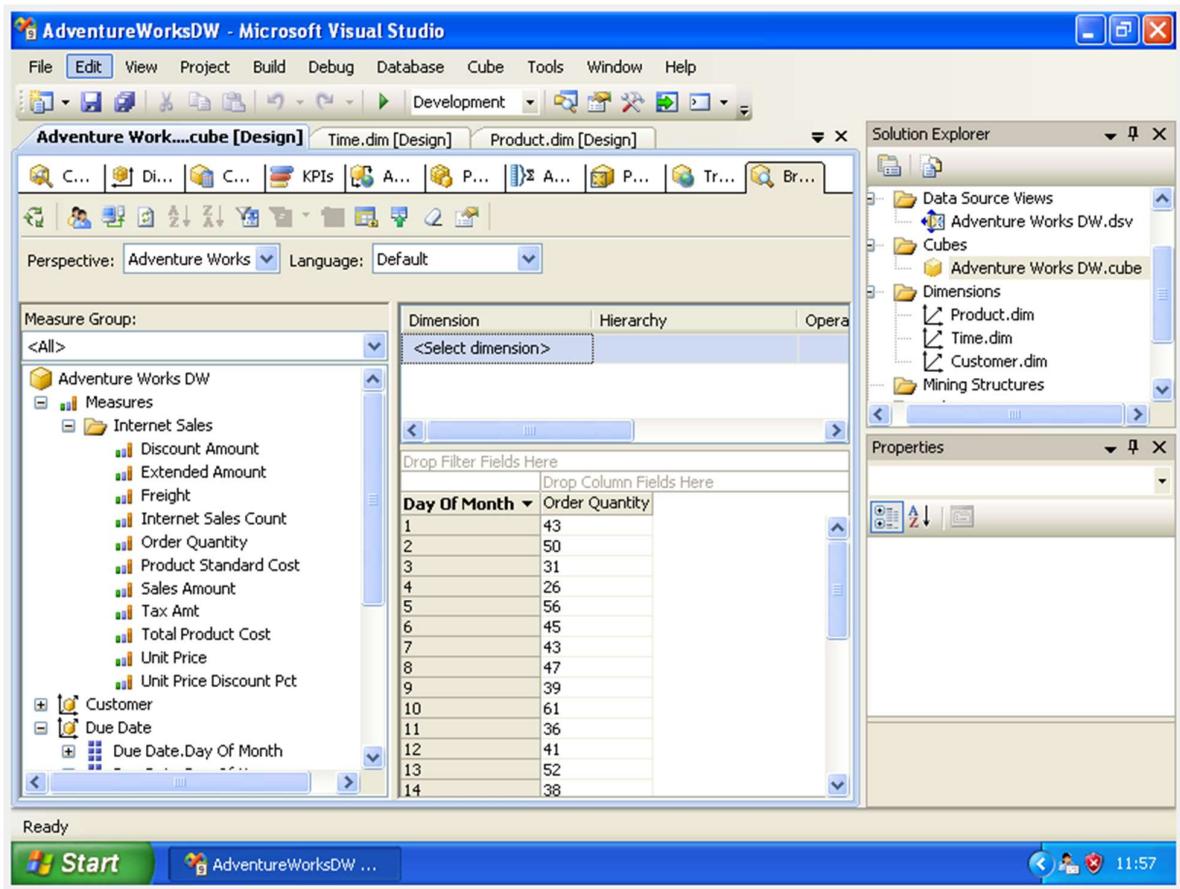
Rysunek 7: Ustawienie AttributeHierarchyVisible na False



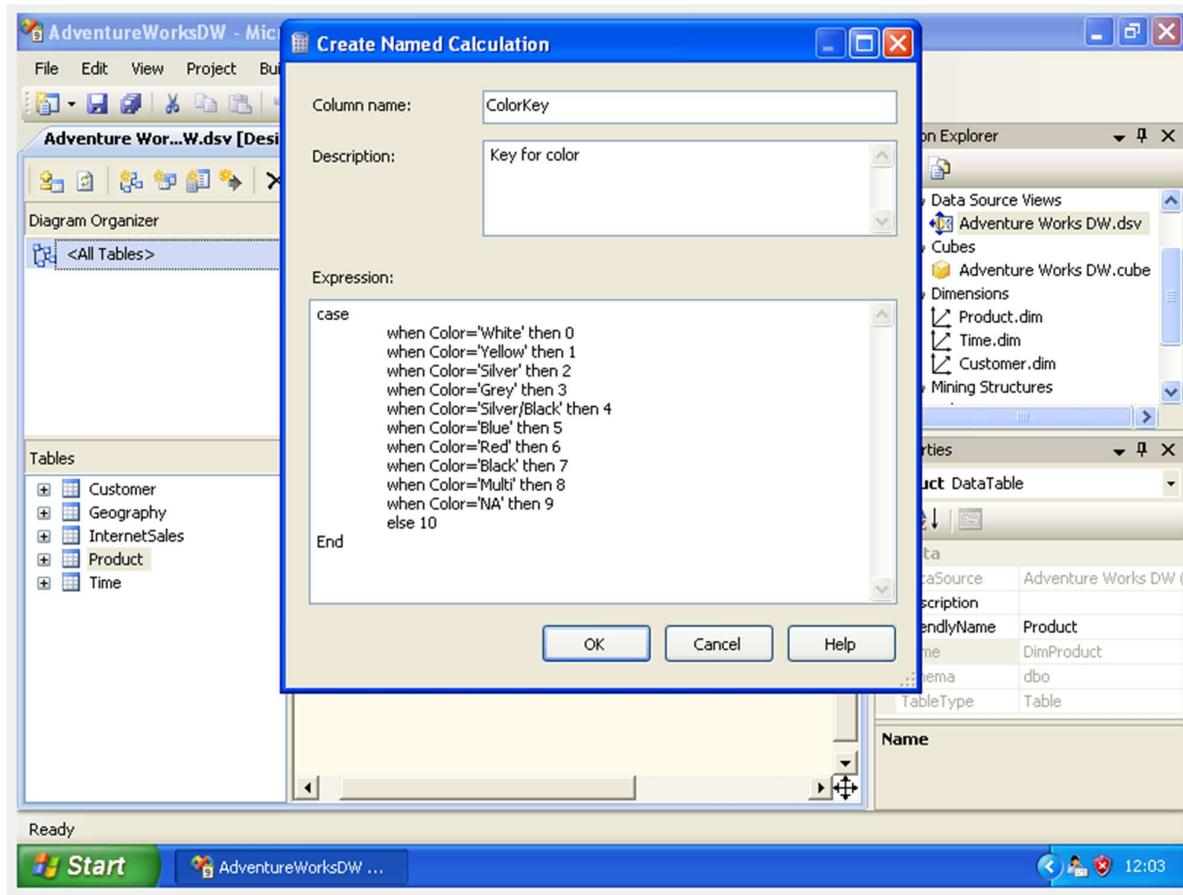
Rysunek 8: Utworzenie raportu



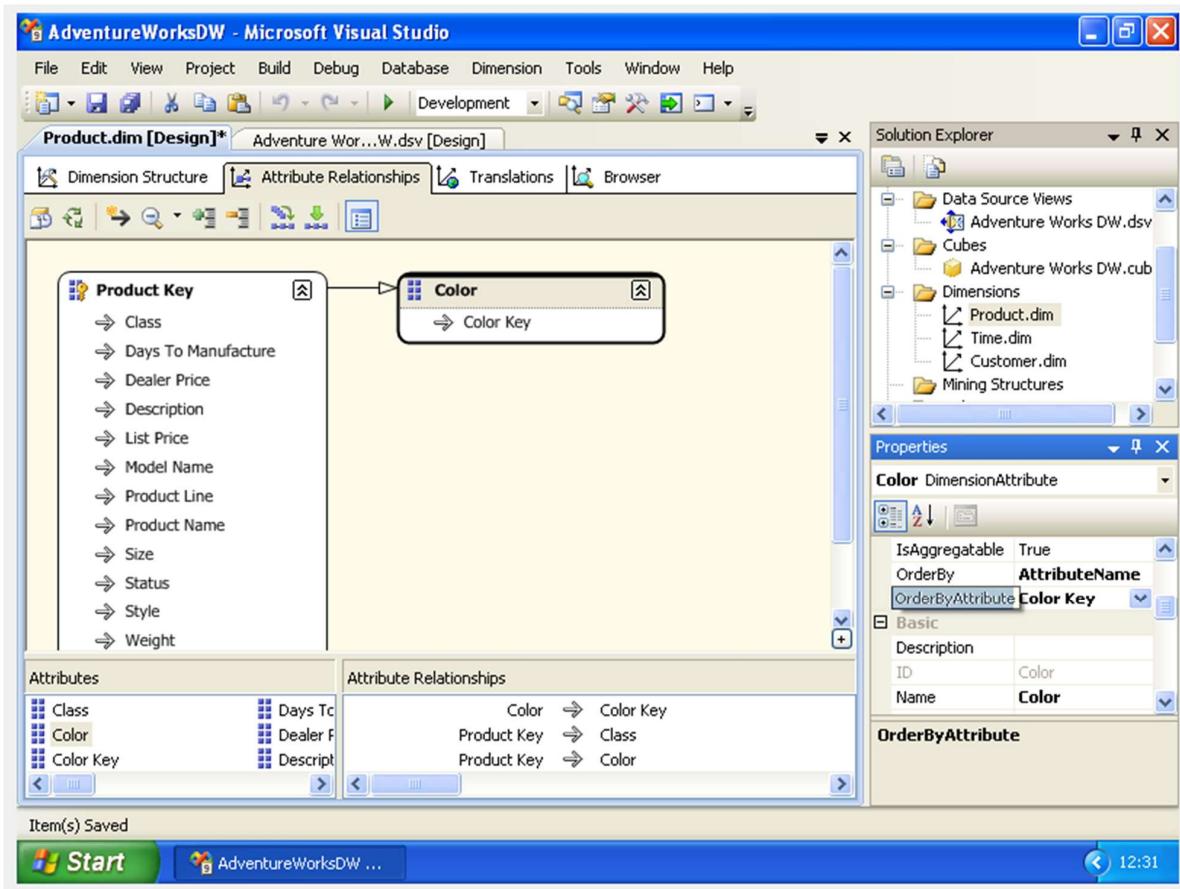
Rysunek 9: Zmiana porządkowania na Key



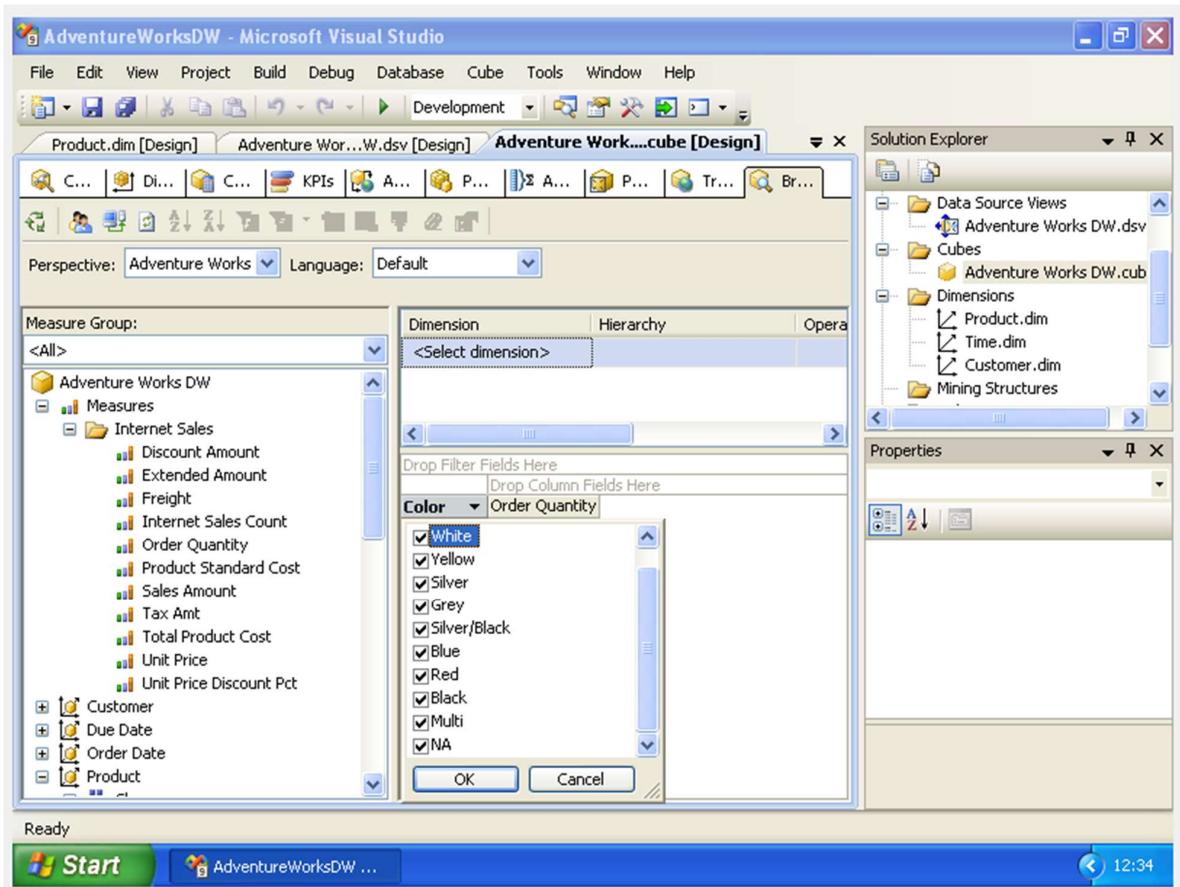
Rysunek 10: Poprawna kolejność w raporcie



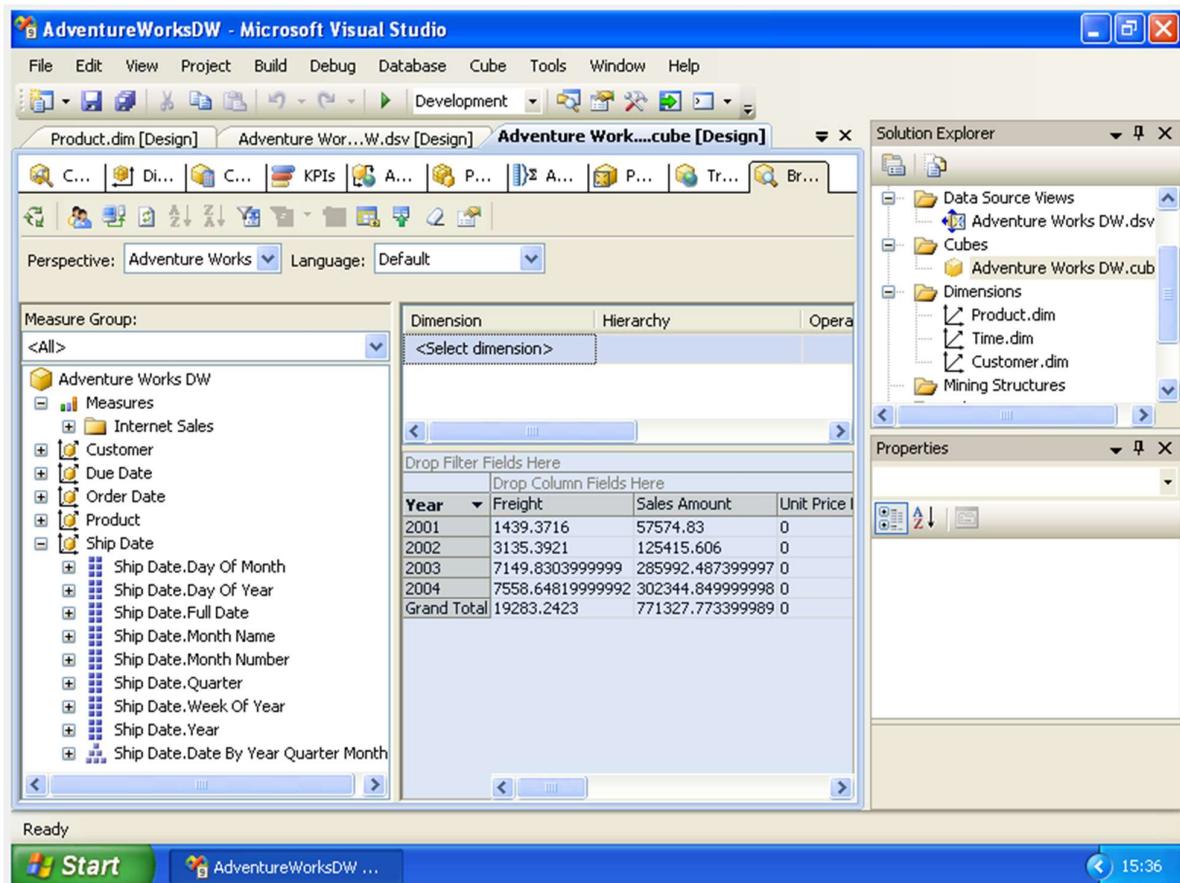
Rysunek 111: Zdefiniowanie nowej kolumny



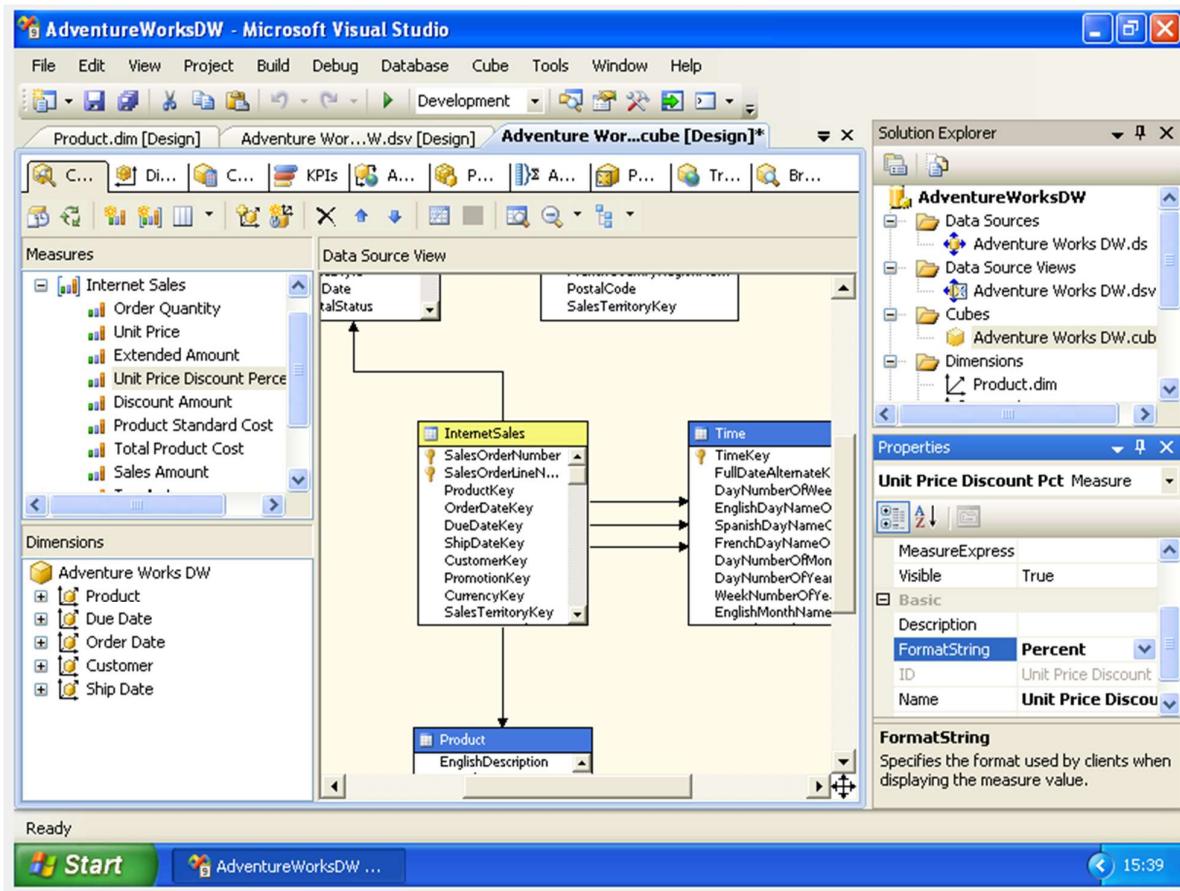
Rysunek 12: Zmiana porządkowania w AttributeRelationships



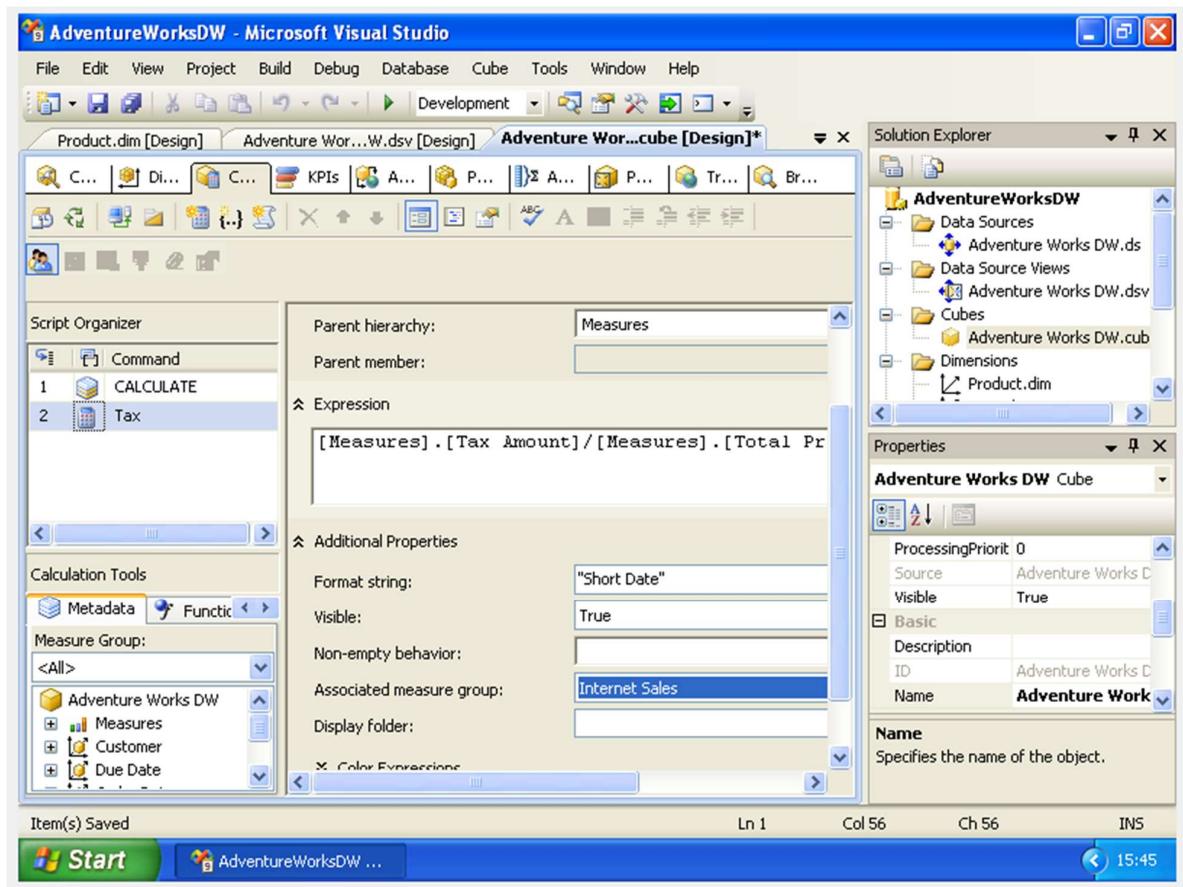
Rysunek 123: Kolejność kolorów zgodna z ustaleniami



Rysunek 14: Raport z wszystkimi agregatami



Rysunek 15: Zmiana nazwy o formatu wyświetlania



Rysunek 16: Dodanie nowego CalculatedMember

AdventureWorksDW - Microsoft Visual Studio

File Edit View Project Build Debug Database Cube Tools Window Help

Adventure Work....cube [Design] Customer.dim [Design] Product.dim [Design]

Perspective: Adventure Works Language: Default

Measure Group: <All>

Dimension Hierarchy Operator Filter E

Drop Filter Fields Here

| Country Region Name | Year | 2001 | 2002 | 2003 | 2004 | Grand Total |
|---------------------|------|--------|--------|--------|--------|-------------|
| Australia | Tax | 14.22% | 14.46% | 14.82% | 14.74% | 14.46% |
| Canada | Tax | 14.22% | 14.22% | 15.15% | 15.42% | 15.15% |
| France | Tax | 14.22% | 14.82% | 14.94% | 14.78% | 14.82% |
| Germany | Tax | 14.22% | 14.82% | 14.85% | 14.80% | 14.82% |
| United Kingdom | Tax | | 14.63% | 14.78% | 14.82% | 14.63% |
| United States | Tax | 14.22% | 14.49% | 14.92% | 15.00% | 14.49% |
| Grand Total | Tax | 14.22% | 14.54% | 14.87% | 14.86% | 14.54% |

Solution Explorer

AdventureWorksDW

- Data Sources
- Data Source Views
- Cubes
- Dimensions

Properties

Adventure Works DW Cube

- Processing 0
- Source: Adventure Works DW
- Visible: True
- Basic
- Description: Adventure Works DW
- ID: Adventure Works DW
- Name: Adventure Works

Name: Specifies the name of the object.

Start 15:53

Rysunek 17: Raport z nową kalkulacją

AdventureWorksDW - Microsoft Visual Studio

File Edit View Project Build Debug Database Cube Tools Window Help

Adventure Work....cube [Design] Customer.dim [Design] Product.dim [Design]

Perspective: Adventure Works Language: Default

Measure Group: <All>

Dimension Hierarchy Operator Filter E

Drop Filter Fields Here

| | Year | 2001 | 2002 | 2003 | 2004 | Grand Total |
|---------------------|--------|--------|--------|--------|--------|-------------|
| Country Region Name | Tax | | | | | |
| Australia | 14.22% | 14.46% | 14.82% | 14.74% | 14.41% | 14.41% |
| Canada | 14.22% | 14.22% | 15.15% | 15.42% | 15.15% | 15.15% |
| France | 14.22% | 14.82% | 14.94% | 14.78% | 14.78% | 14.78% |
| Germany | 14.22% | 14.82% | 14.85% | 14.80% | 14.80% | 14.80% |
| United Kingdom | | 14.63% | 14.78% | 14.82% | 14.78% | 14.78% |
| United States | 14.22% | 14.49% | 14.92% | 15.00% | 14.78% | 14.78% |
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Solution Explorer

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Properties

Adventure Works DW Cube

- Processing 0
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- Visible: True
- Basic
- Description: Adventure Works DW
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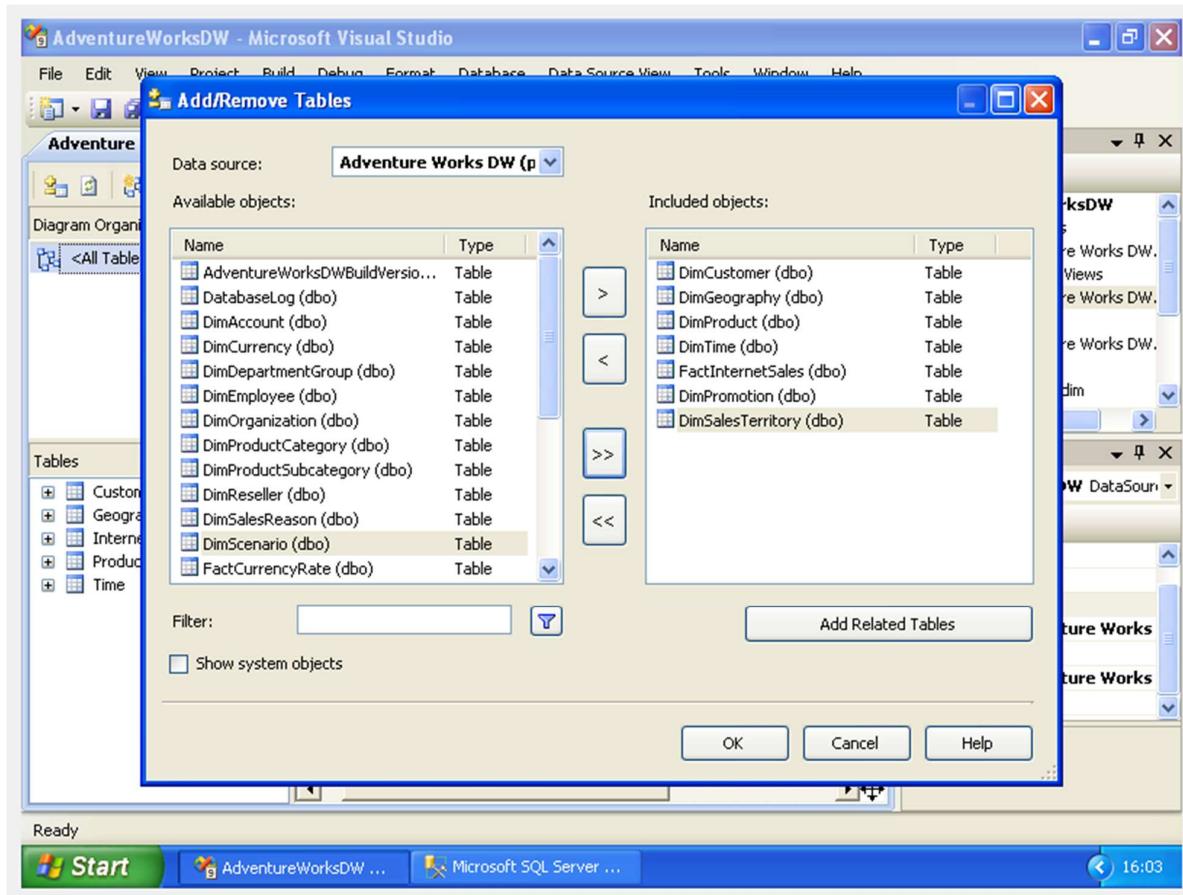
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Ready

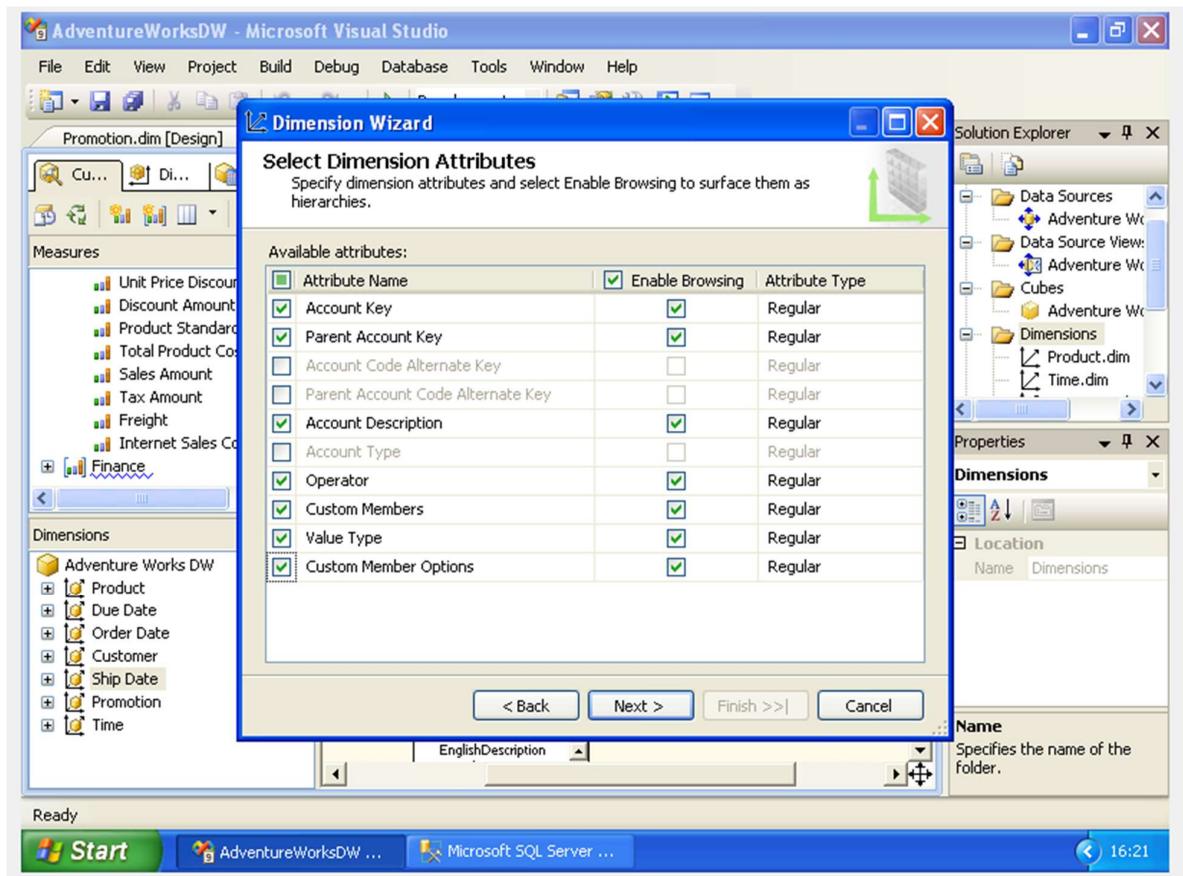
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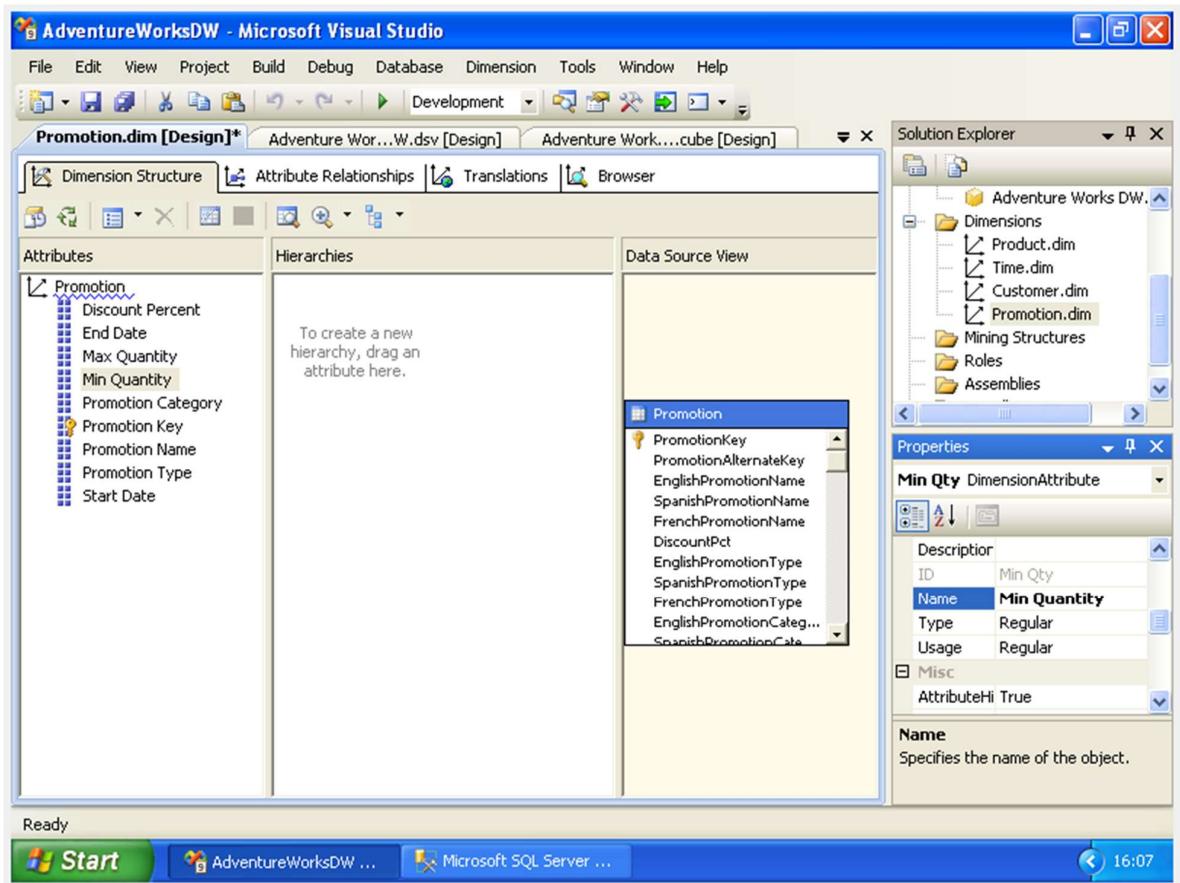
Rysunek 18: Poprzedni raport po zmianie kolorów



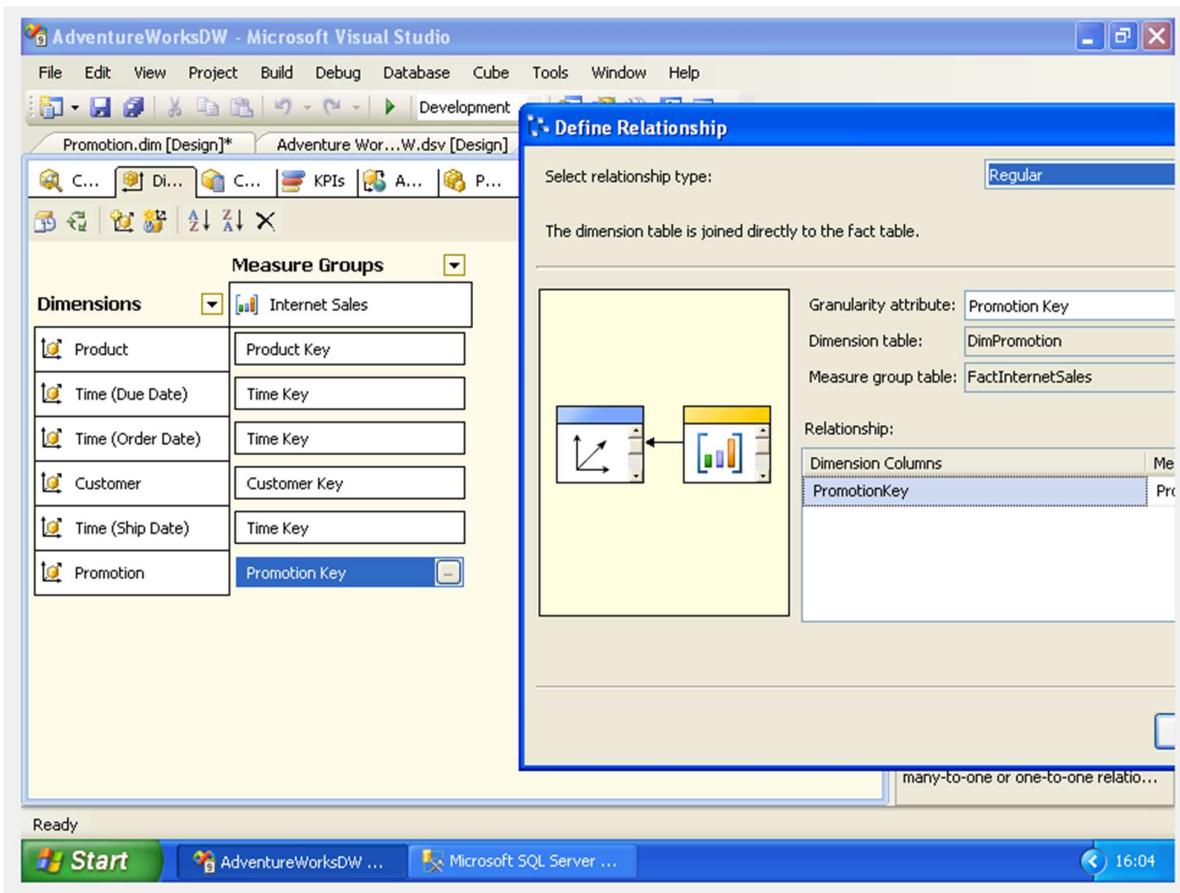
Rysunek 19: Dodanie nowych tabel



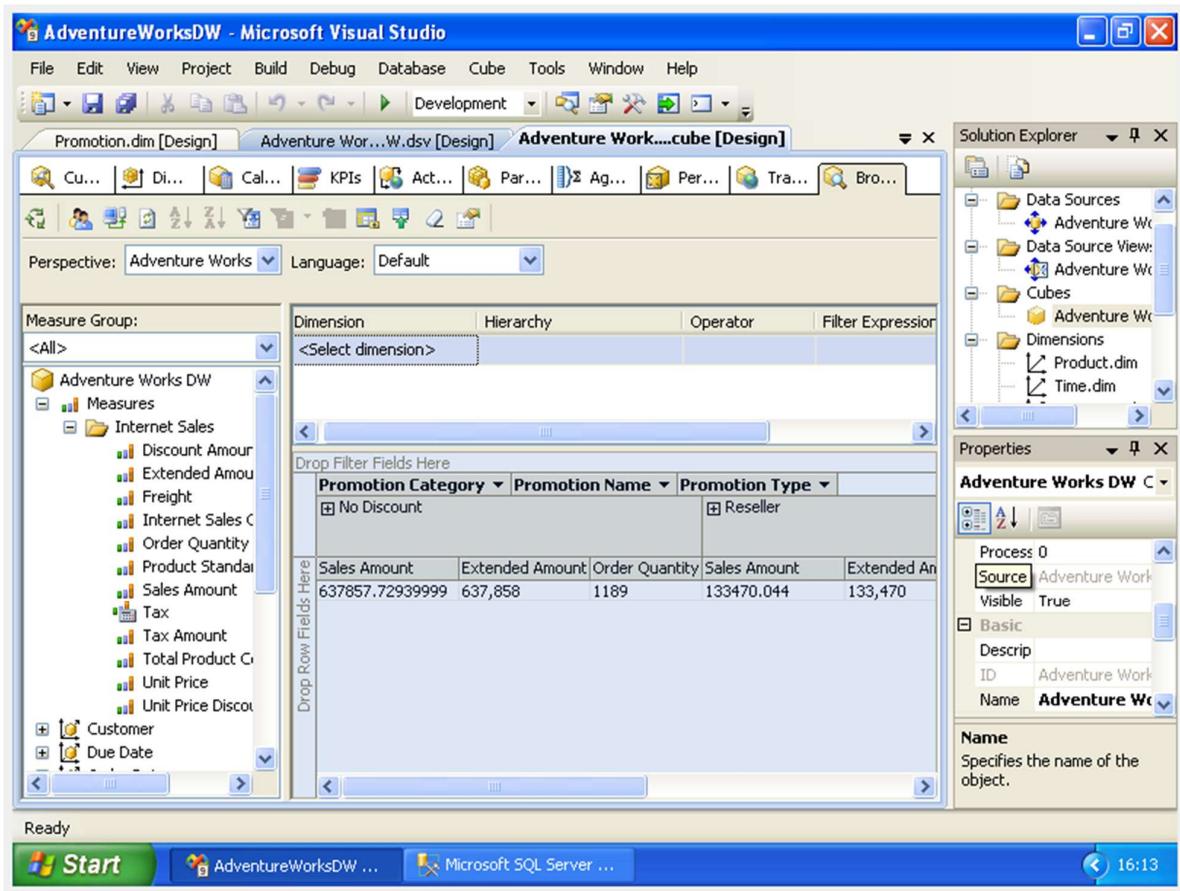
Rysunek 20: Stworzenie nowego wymiaru



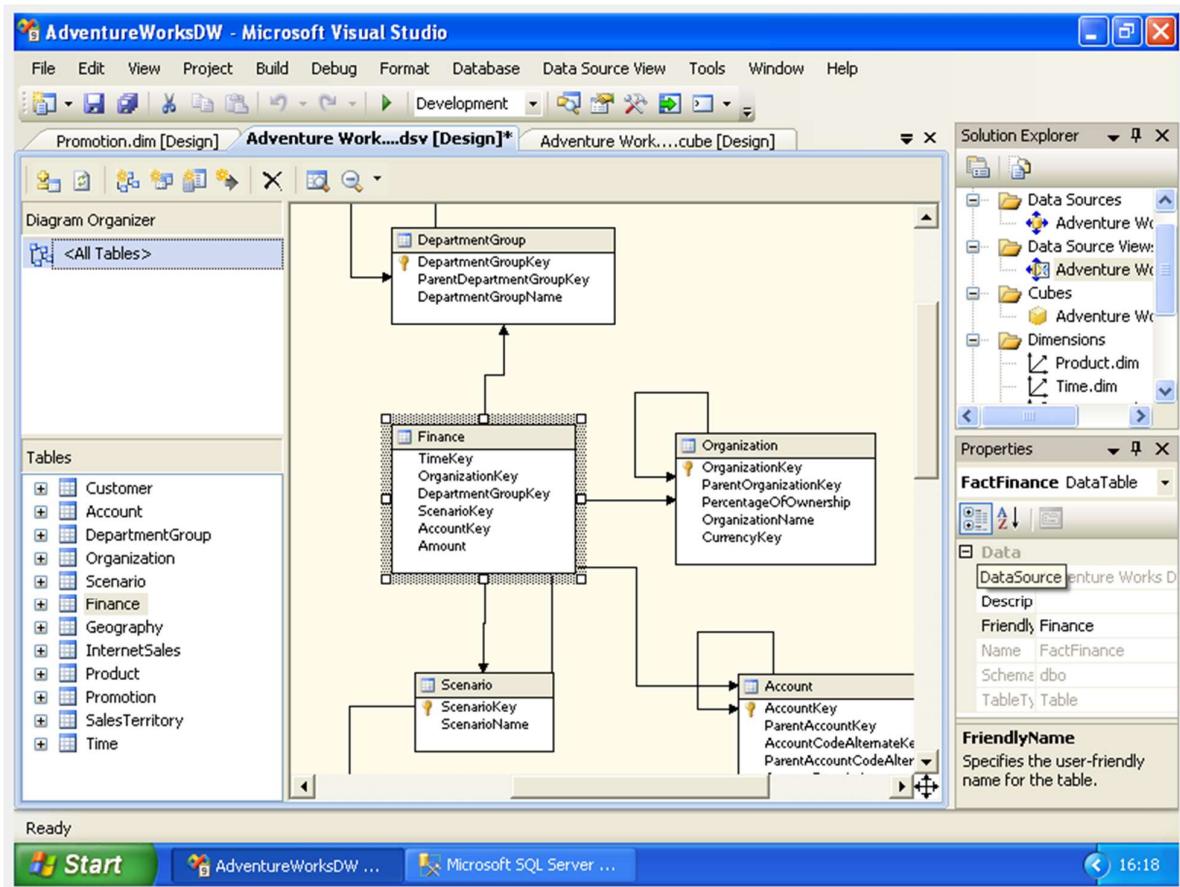
Rysunek 21: Zmiana nazw atrybutów



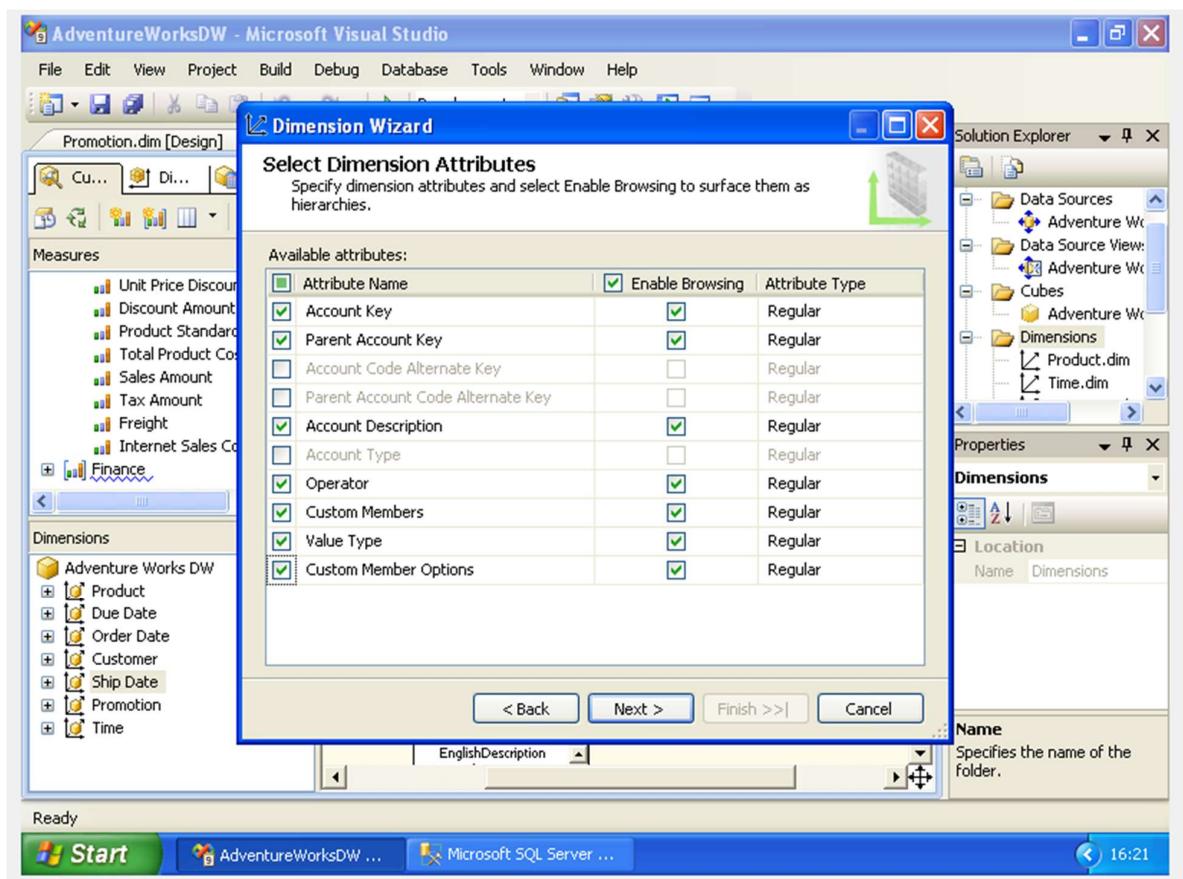
Rysunek 22: Dodanie raportu w DimensionUsage



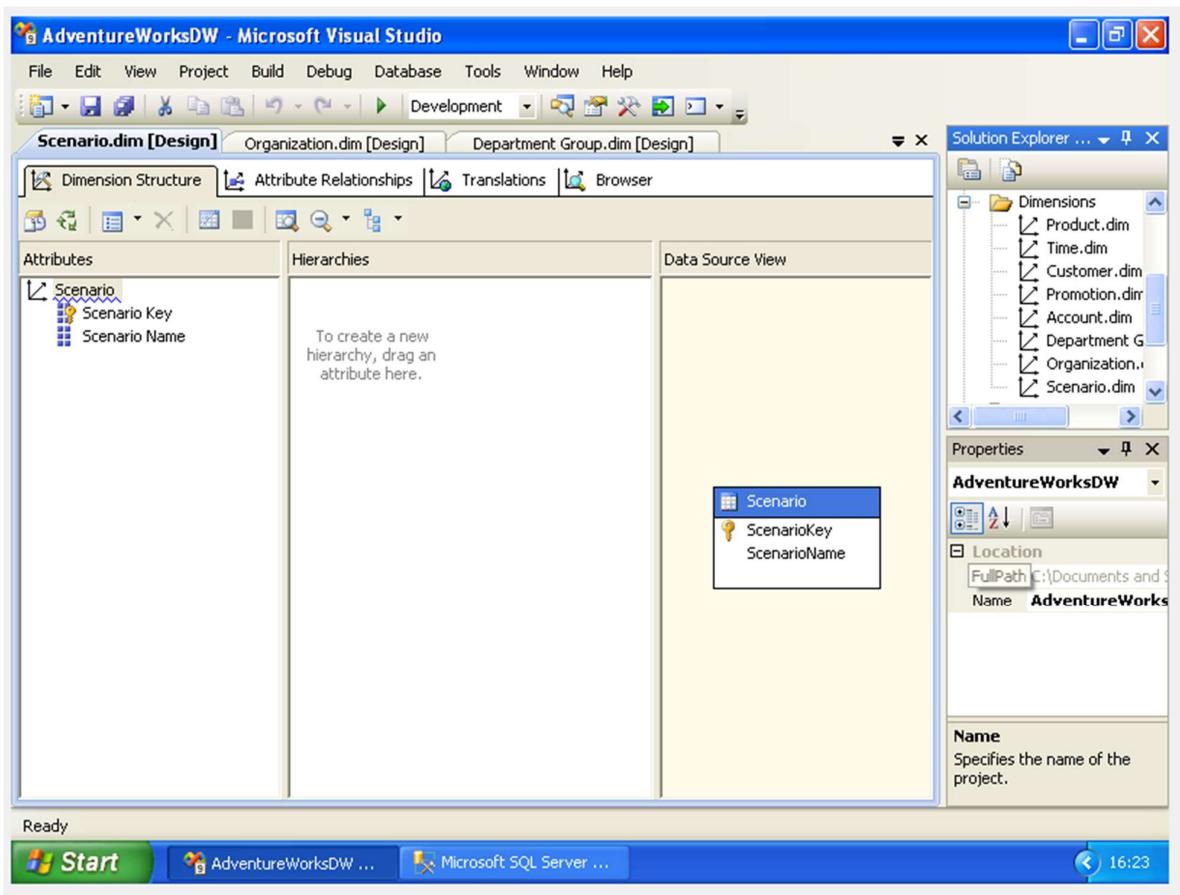
Rysunek 23: Nowy report



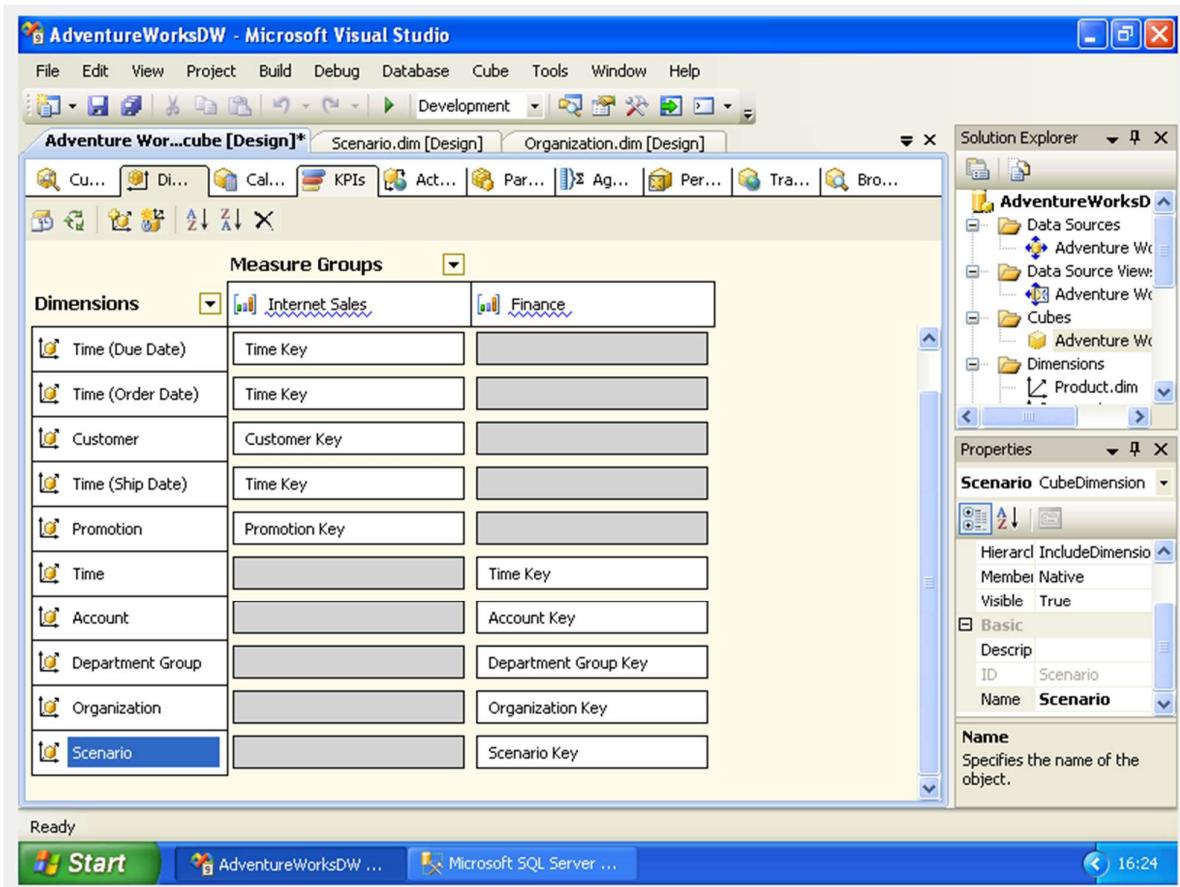
Rysunek 24: Dodanie kolejnych tabel wraz ze zmianą ich nazw



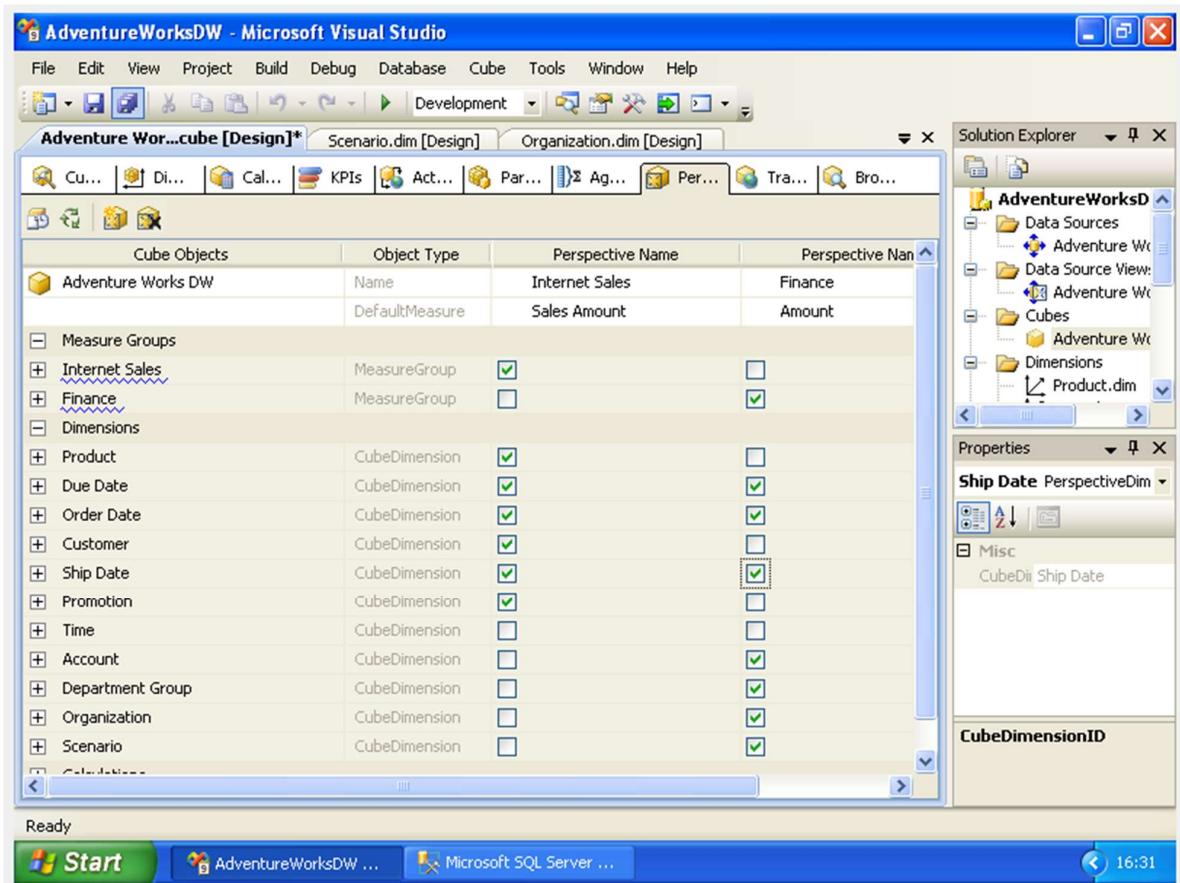
Rysunek 25: Dodanie kolejnego wymiaru



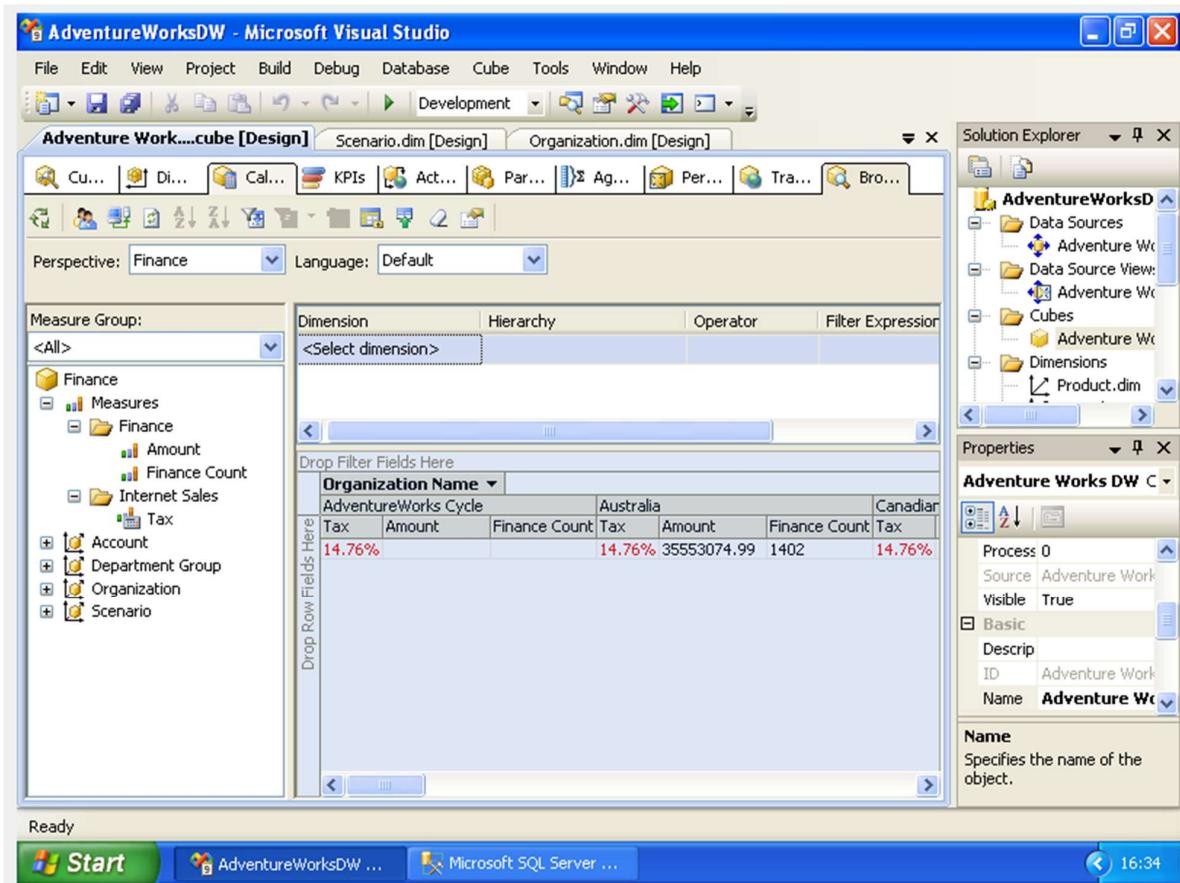
Rysunek 26: Dodanie pozostałych wymaganych wymiarów



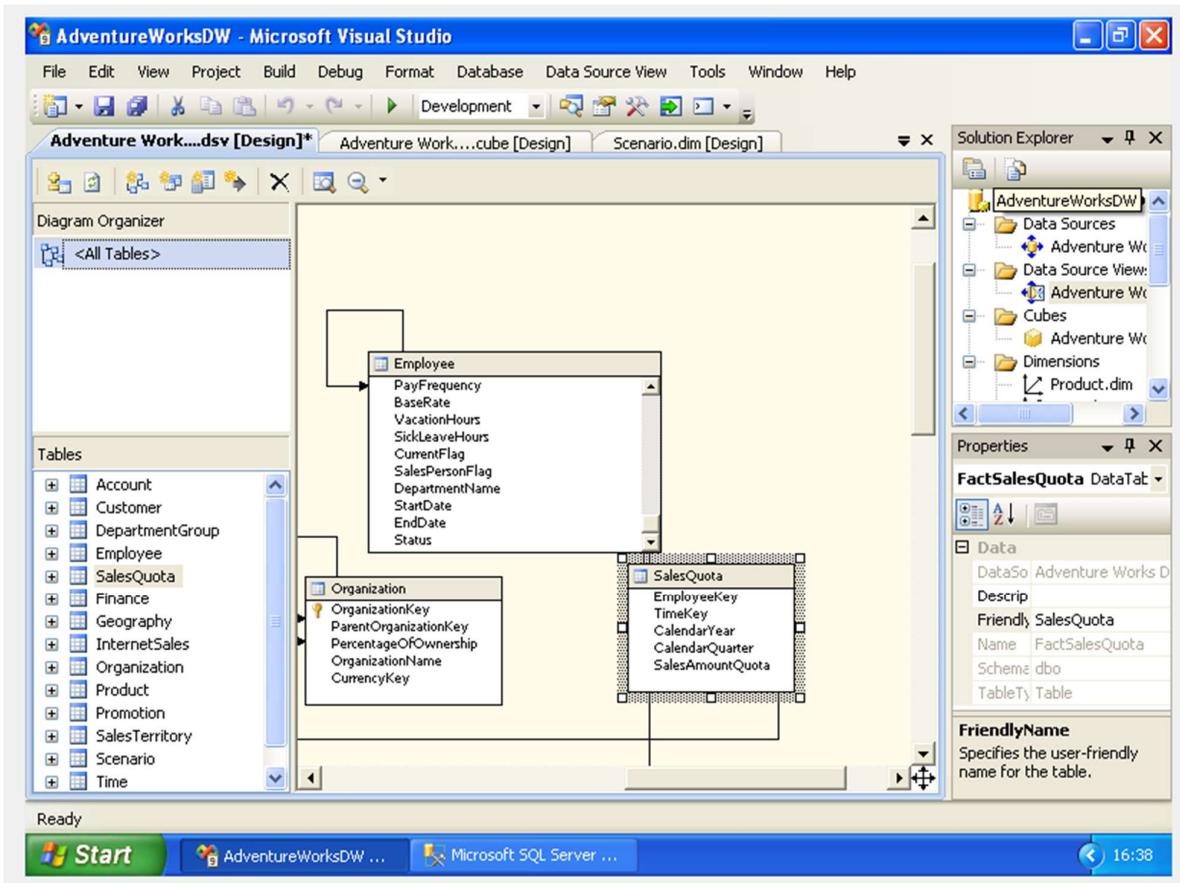
Rysunek 27: Dodanie wymiarów w DimensionsUsage



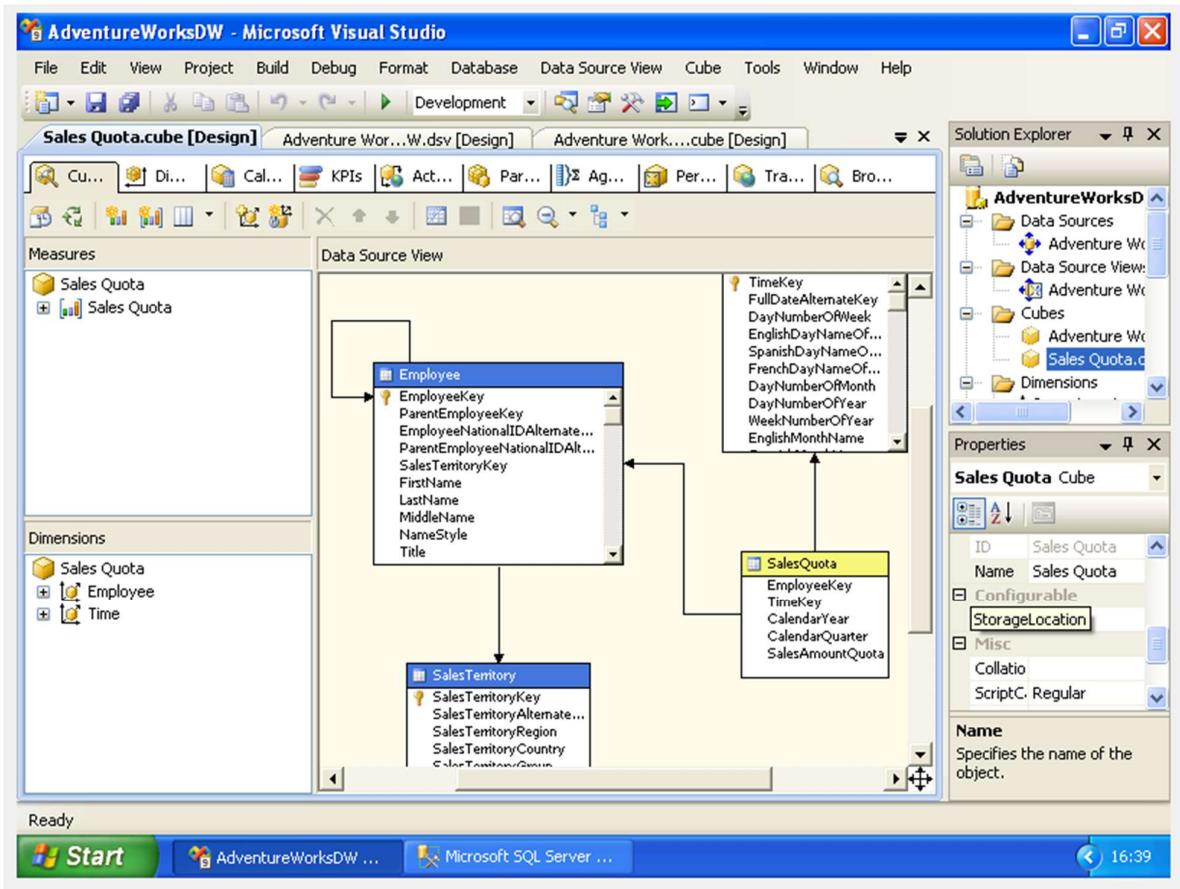
Rysunek 28: Utworzenie perspektyw



Rysunek 29: Raport stworzony na podstawie nowej perspektywy



Rysunek 30: Dodanie dwóch kolejnych tabel



Rysunek 31: Powstanie nowej kostki SalesQuota