

Seleccionado se encuentra el método que debe ser refactorizado:

The screenshot shows an IDE window with a project named 'sigesaca-backend'. The main editor displays the file 'GrupoHorarioServiceImpl.java'. A SonarLint issue is highlighted on line 96, column 67, with the message: 'Refactor this method to reduce its Cognitive Complexity from 31 to the 15 allowed. (16 locations)'. The issue is categorized as 'Maintainability' and is linked to the rule 'Cognitive Complexity of methods should not be too high' (java:S3776).

The code in the editor is as follows:

```
14 public class GrupoHorarioServiceImpl implements GrupoHorarioService {
94
95     @Override
96     public ResponseEntity<> aulasDisponibles(Integer grupoHorarioId, Integer semestreId) {
97         List<AulaEntity> aulasDisponibles = new ArrayList<>();
98         Optional<GrupoHorarioEntity> grupoHorario = grupoHorarioRepository.findById(grupoHorarioId);
99         List<AulaEntity> todasAulas = aulaRepository.findAll();
100         if (grupoHorario.isEmpty()) {
```

The SonarLint panel on the left shows a list of issues, with the selected issue being 'Refactor this method to reduce its Cognitive Complexity from 31 to the 15 allowed. (16 locations)'. The right panel shows the details of the rule 'Cognitive Complexity of methods should not be too high' (java:S3776), including a description and a threshold of 15.