```
base_local_planner
  ::TrajectorySampleGenerator


+ hasMoreTrajectories()
+ nextTrajectory()
+ ~TrajectorySampleGenerator()
# TrajectorySampleGenerator()
```

```
base_local_planner
  ::SimpleTrajectoryGenerator

# next_sample_index_
# sample_params_
# limits_
# pos_
# vel_
# continued_acceleration_
# discretize_by_time_
# sim_time_
# sim_granularity_
# angular_sim_granularity_
# use_dwa_
# sim_period_

+ SimpleTrajectoryGenerator()
+ ~SimpleTrajectoryGenerator()
+ initialise()
+ initialise()
+ setParameters()
+ hasMoreTrajectories()
+ nextTrajectory()
+ generateTrajectory()
+ computeNewPositions()
+ computeNewVelocities()
```