```
tc_monotone  THM

⊢  ∀r:rel(), de:sig(), ds1,ds2:Collection(dec())
   , da1,da2:Collection(SimpleType).
   ds1 ⊆ ds2 ⇒ da1 ⊆ da2 ⇒ tc(r;ds1;da1;de) ⇒ tc(r;ds2;da2;de)
  by Auto THEN
All (Unfold `tc`) THEN D 1 THEN D 1 THEN All Reduce

     THEN ExRepD THEN Auto THEN
Try (Using [`ds1',ds1;`da1',da1
     ] (BackThruLemma `term_types_monotone_member`) THEN Auto)

     THEN Try (BackThruSomeHyp THEN Auto)
END
```