

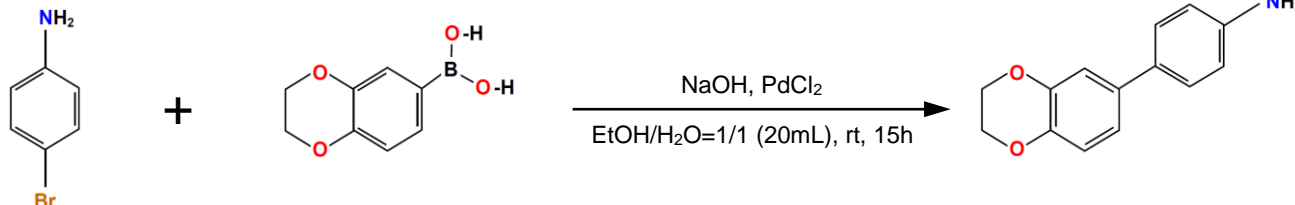
TLC image of the synthesis reaction recorded

– From monitoring the organic synthesis reaction to sample purification –

4-bromoaniline

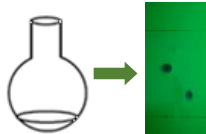
1,4-benzodioxan 6-boronic acid

Target

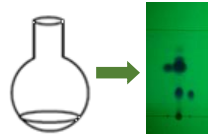


Reaction

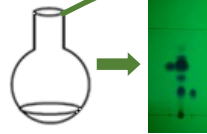
Before reaction



Reaction in progress



Reaction completed



Sample separation



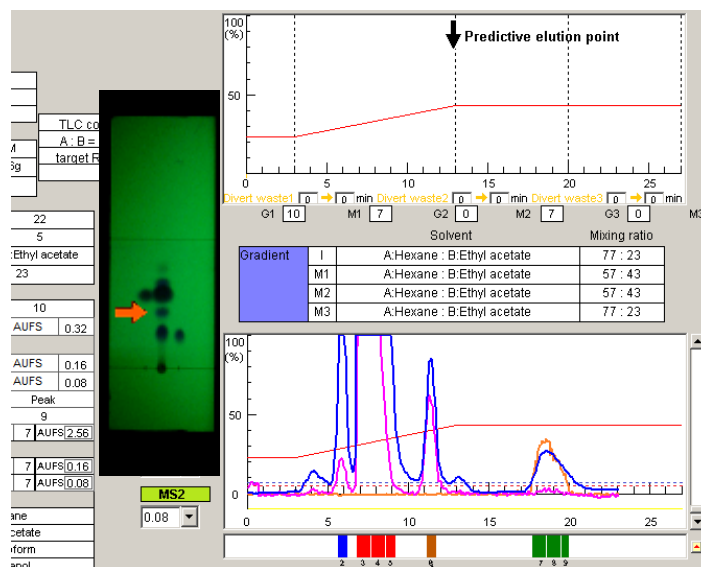
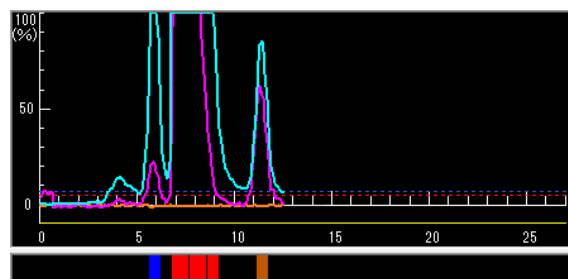
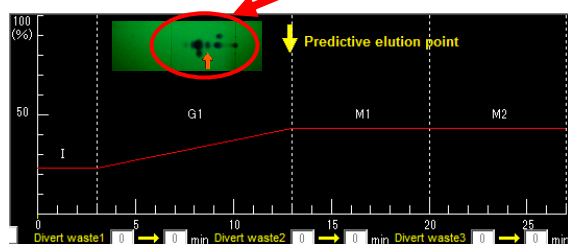
Confirm progress by TLC during synthesis

Column chromatography

Run chromatography

TLC target spot and predicted elution position are indicated by arrows on the screen during chromatography.

TLC image is recorded on the chromatography result file.



Target fraction elutes at 4 CV.

Sample peaks and sample spots on TLC co-relate to each other.