nnU-Net nnU-Net nnU-Net **HPO** NAS Ground (Conv) (ResM) (ResL) MedSAM2 (ours) (ours) 35.05 21.70 **Image** Truth 21.97 0.42 35.55 65.66

Qualitative Results for BRATS 012 (Best Case) in D01 (BrainTumour)

HPO+

Enhancing tumour

HPO+

HNAS

(ours)

35.70





Non-enhancing tumor

Edema