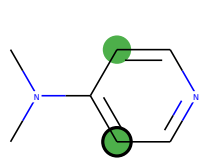
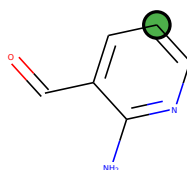


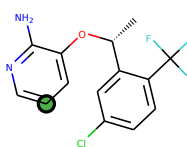
12 Pyridines



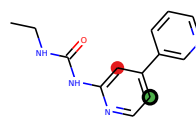
21 [340]
93% (Br_2 , K_2CO_3)



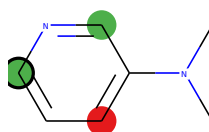
22 [158]
88% (Br_2)



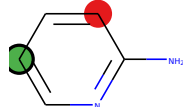
23 [424]
69% (NBS)



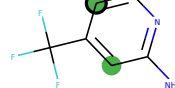
24 [54]
91% (NBS)



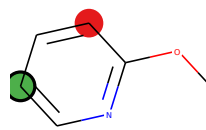
48 [347]
68% (NBS)



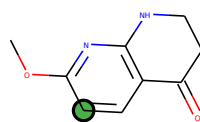
68 [271]
98% (NBS), 80% (NBS), 93% (I_2)



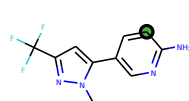
69 [93]
80% (NBS), 83% (NBS)



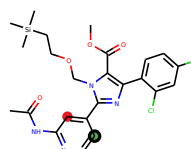
70 [295]
90% (Br_2 , AcOH, NaOAc),
81% (5-Br; NBS), 73% (3,5-diBr; Br_2), 80% (NBS)



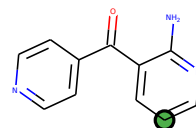
71 [100]
85% (NBS)



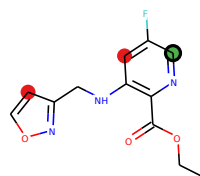
73 [173]
30% (NBS)



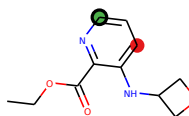
75 [106]
87% (NBS)



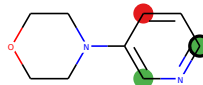
76 [195]
80% (NBS)



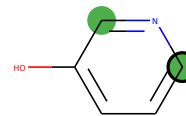
124 [72]
34% (NBS)



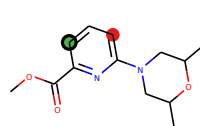
128 [72]
76% (NBS)



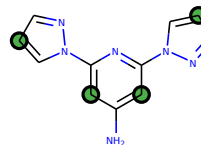
129 [207]
74% (NBS)



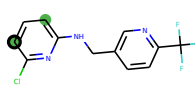
130 [164]
75% (NaI, NaOCl)



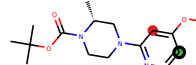
215 [430]
91% (NBS)



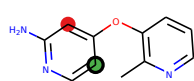
216 [103]
99% (I_2 , 4xI)



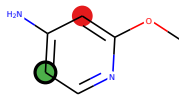
217 [448]
80% (NBS)



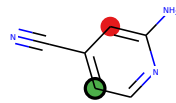
218 [136]
89% (NBS)



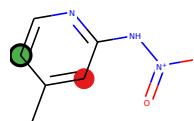
221 [17]
92% (Br_2)



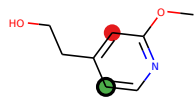
223 [311]
98% (NBS)



224 [39]
78% (NBS)



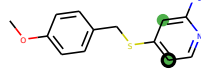
225 [148]
83% (Br_2)



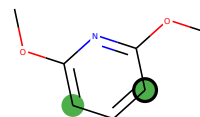
228 [426]
91% (Br_2)



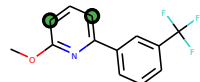
229 [242]
94% (Br_2)



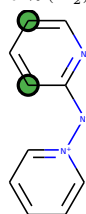
234 [19]
54% (Br_2)



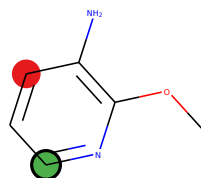
236 [98]
80% (NBS)



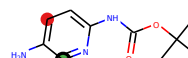
237 [240]
32% (3-Cl) + 50% (5-Cl)
NCS



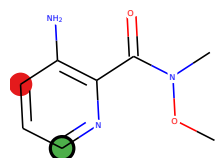
238 [94]
a 61% (2xI, NIS), 73%
(2xBr, NBS), b 90% (NIS),
71% (NBS))



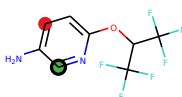
239 [243]
80% (NBS)



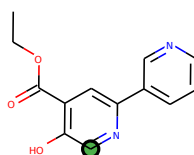
241 [101]
66% (NBS)



242 [138]
59% (Br_2)



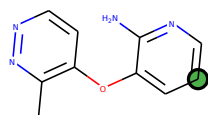
243 [323]
90% (NBS), 86% (NCS))



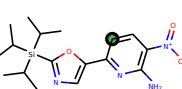
244 [63]
80% (NBS)



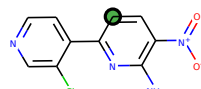
247 [81]
100% (Br_2)



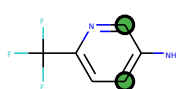
248 [18]
95% (NBS)



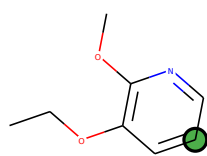
249 [414]
88% (NBS)



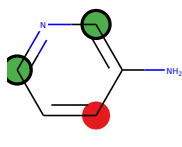
250 [414]
93% (NBS)



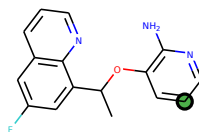
252 [233]
85% (NCS then NBS)



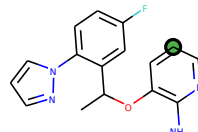
253 [67]
2-Br 56%, 3-Br (Br₂)



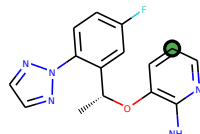
255 [98]
2-Br 40%, 6-Br 32%, 2+6-diBr 14% (NBS)



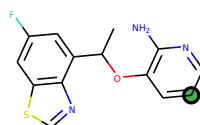
256 [91]
99% (NBS)



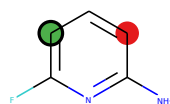
257 [91]
93% (NBS)



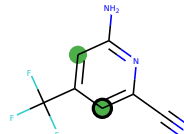
258 [91]
73% (NBS)



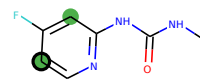
259 [91]
51% (NBS)



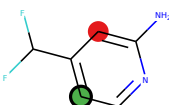
296 [51]
98% (NBS)



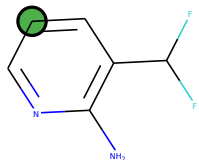
297 [431]
70% (NBS)



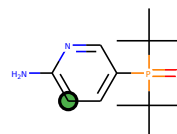
298 [157]
72% (NBS)



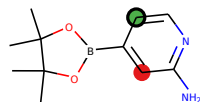
391 [125]
79% (NBS)



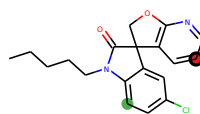
395 [174]
64% (NBS)



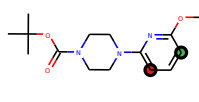
400 [4]
68% (NBS)



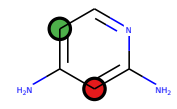
420 [283]
85% (NBS)



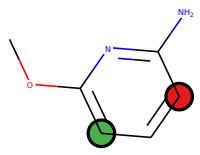
74 [80]
76% (NBS)



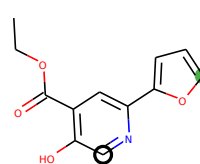
219 [136]
58% (a-to-OMe), 13% (a-to-N) NBS



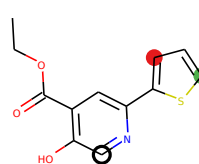
220 [319]
90% (a-to-2xN), 9% regioisomer, I₂



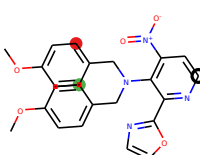
235 [52]
73% (3-pos), 11% (5-pos), NCS



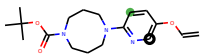
245 [63]
91% (NBS)



246 [63]
71% (NBS)



251 [415]
52% (NBS)



254 [38]

52% (NBS)