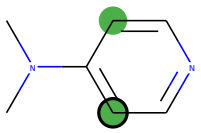
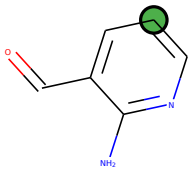
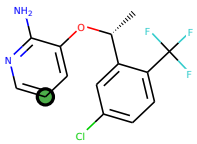
12 Pyridines



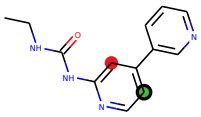
21 [340]
93% (Br_2, K_2CO_3)



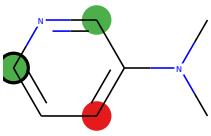
22 [158]
88% (Br_2)



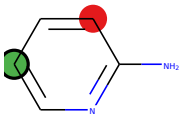
23 [424]
69% (NBS)



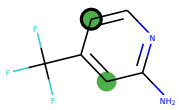
24 [54]
91% (NBS)



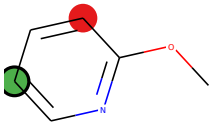
48 [347]
68% (NBS)



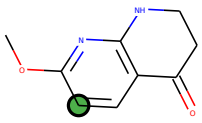
68 [271]
98% (NBS), 80% (NBS), 93% (I_2)



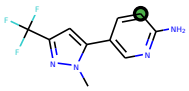
69 [93]
80% (NBS), 83% (NBS)



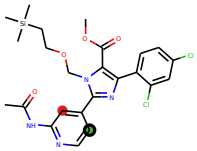
70 [295]
90% (Br_2, AcOH, NaOAc), 81% (5-Br; NBS), 73% (3,5-diBr; Br_2), 80% (NBS)



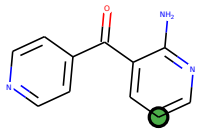
71 [100]
85% (NBS)



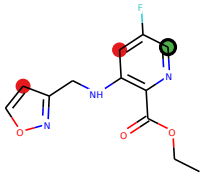
73 [173]
30% (NBS)



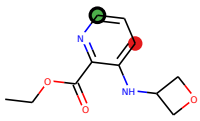
75 [106]
87% (NBS)



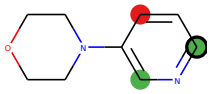
76 [195]
80% (NBS)



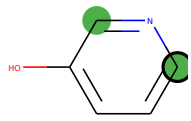
124 [72]
34% (NBS)



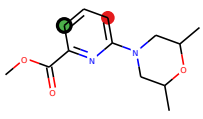
128 [72]
76% (NBS)



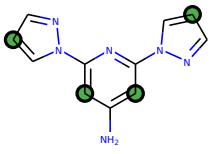
129 [207]
74% (NBS)



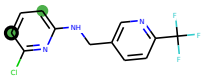
130 [164]
75% (NaI, NaOCl)



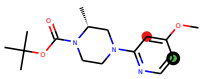
215 [430]
91% (NBS)



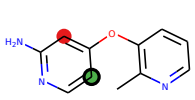
216 [103]
99% (I_2, 4xI)



217 [448]
80% (NBS)

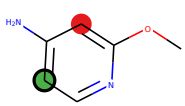


218 [136]
89% (NBS)



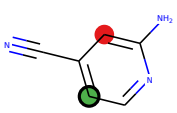
221 [17]

92% (Br_2)



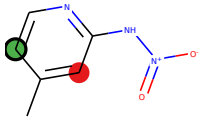
223 [311]

98% (NBS)



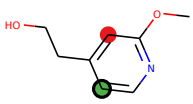
224 [39]

78% (NBS)



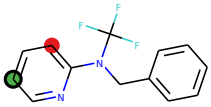
225 [148]

83% (Br_2))



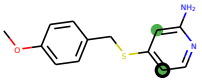
228 [426]

91% (Br_2)



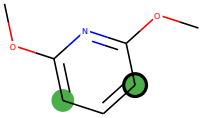
229 [242]

94% (Br_2)



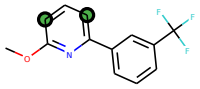
234 [19]

54% (Br_2)



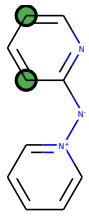
236 [98]

80% (NBS)



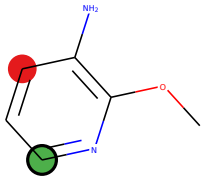
237 [240]

32% (3-Cl) + 50% (5-Cl) NCS



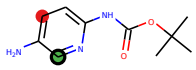
238 [94]

a 61% (2xI, NIS), 73% (2xBr, NBS), b 90% (NIS), 71% (NBS))



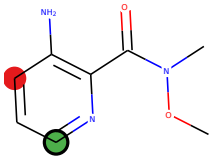
239 [243]

80% (NBS)



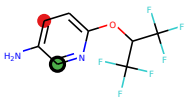
241 [101]

66% (NBS)



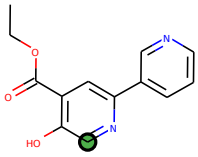
242 [138]

59% (Br_2)



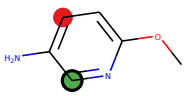
243 [323]

90% (NBS), 86% (NCS))



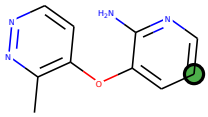
244 [63]

80% (NBS)



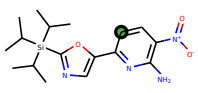
247 [81]

100% (Br_2)



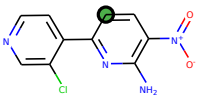
248 [18]

95% (NBS)



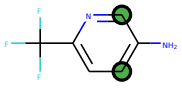
249 [414]

88% (NBS)



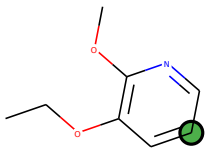
250 [414]

93% (NBS)



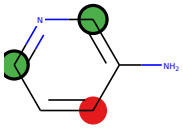
252 [233]

85% (NCS then NBS)



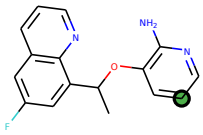
253 [67]

2-Br 56%, 3-Br (Br_2)



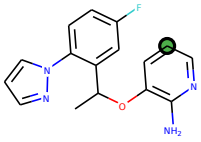
255 [98]

2-Br 40%, 6-Br 32%, 2+6-diBr 14% (NBS)



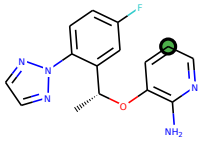
256 [91]

99% (NBS)



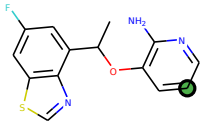
257 [91]

93% (NBS)



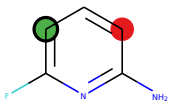
258 [91]

73% (NBS)



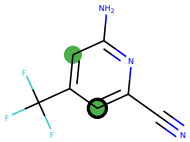
259 [91]

51% (NBS)



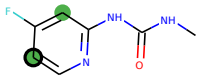
296 [51]

98% (NBS)



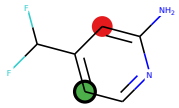
297 [431]

70% (NBS)



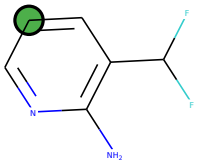
298 [157]

72% (NBS)



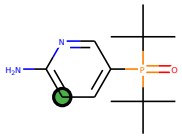
391 [125]

79% (NBS)



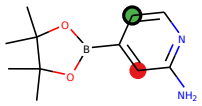
395 [174]

64% (NBS)



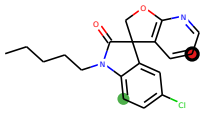
400 [4]

68% (NBS)



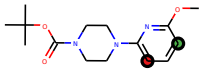
420 [283]

85% (NBS)



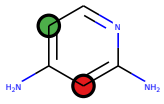
74 [80]

76% (NBS)



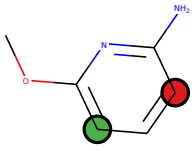
219 [136]

58% (a-to-OMe), 13% (a-to-N) NBS



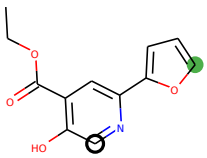
220 [319]

90% (a-to-2xN), 9% regioisomer, I_2



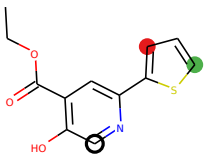
235 [52]

73% (3-pos), 11% (5-pos), NCS



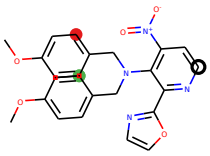
245 [63]

91% (NBS)



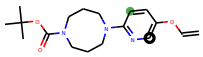
246 [63]

71% (NBS)



251 [415]

52% (NBS)



254 [38]

52% (NBS)