

**Figure 6.** Proposed decomposition mechanism of RDX into fragments of mass 157, 150, 149, 148, 132, 130, 128, 117, 97, 85, 83 and 74 amu. The reactions mechanisms suggested through theoretical calculations are shown by pink arrow.



**Figure 7.** Proposed decomposition mechanism of RDX into fragments of mass 118, 116, 105, 103, 101, 100, 98, 91, 89, 75, 73, 72, 71, 70, 60, 58, 56, 46, 45, 42, 31 and 30 amu. The reactions mechanisms suggested through theoretical calculations are shown by pink arrow.