|  |  |  |
| --- | --- | --- |
| SAMPLE | PCC WITH KNN-PCA | |
| **Traditional (%)** | **Proposed (%)** |
| HMX | 100.00 | 100.00 |
| NTO | 100.00 | 100.00 |
| PETN | 98.11 | 93.11 |
| RDX | 95.22 | 63.22 |
| TNT | 100.00 | 100.00 |
| Average | 98.66 | 91.26 |

Table 1.Comparison, of the PCC obtained with the proposed method for five classes of samples with KNN-PCA with the traditional method.