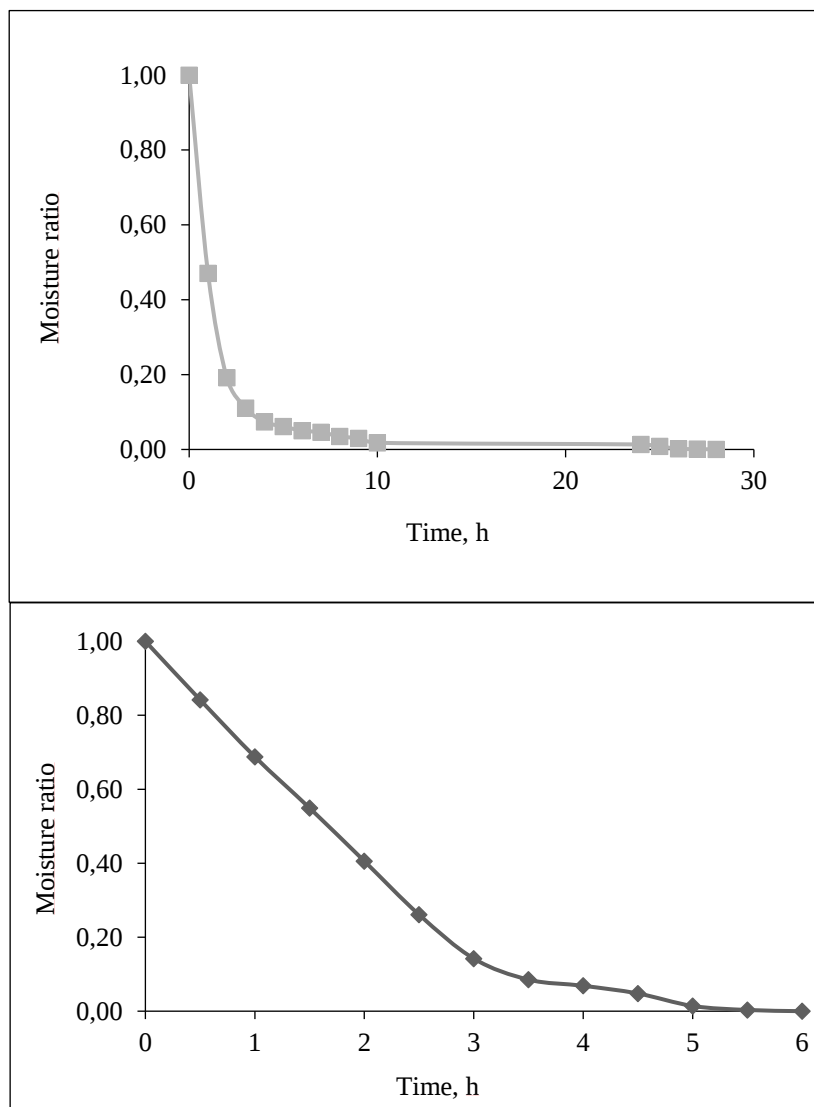
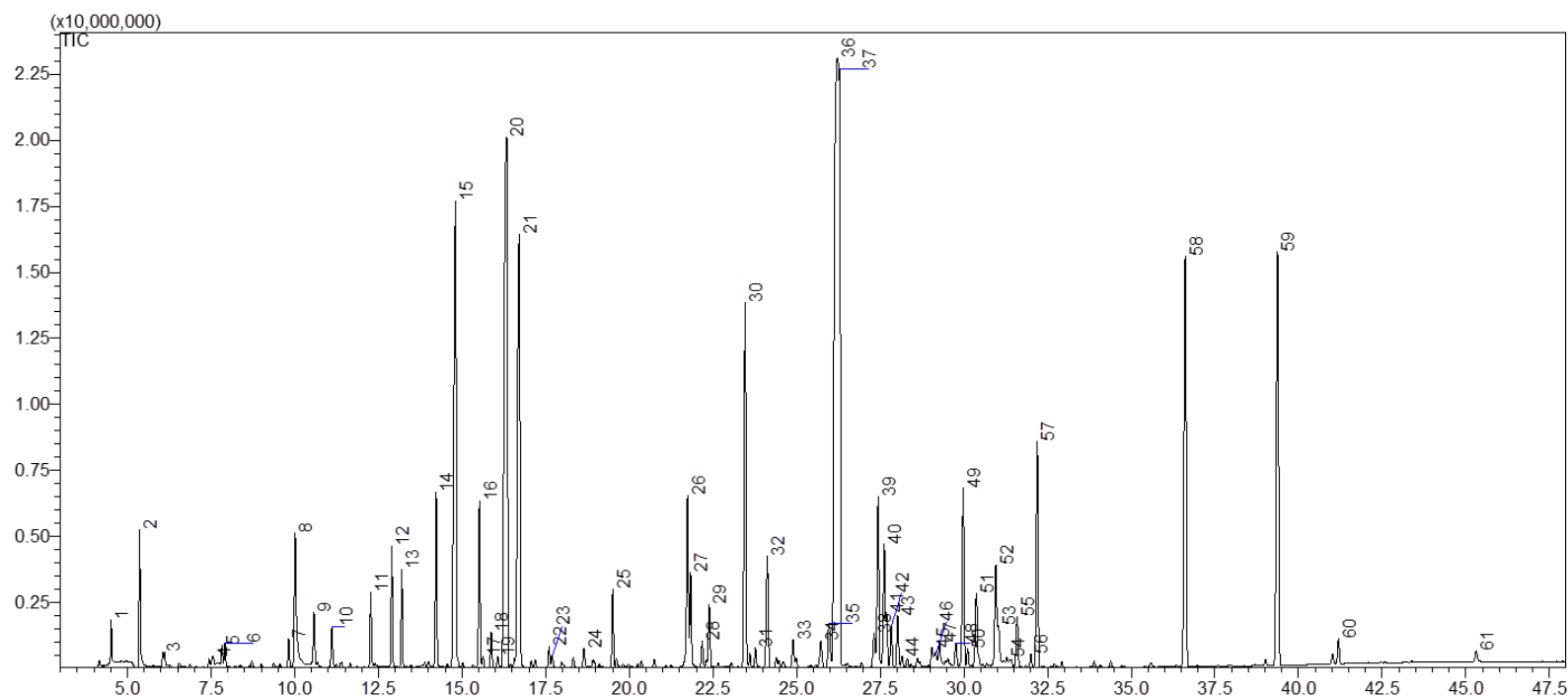
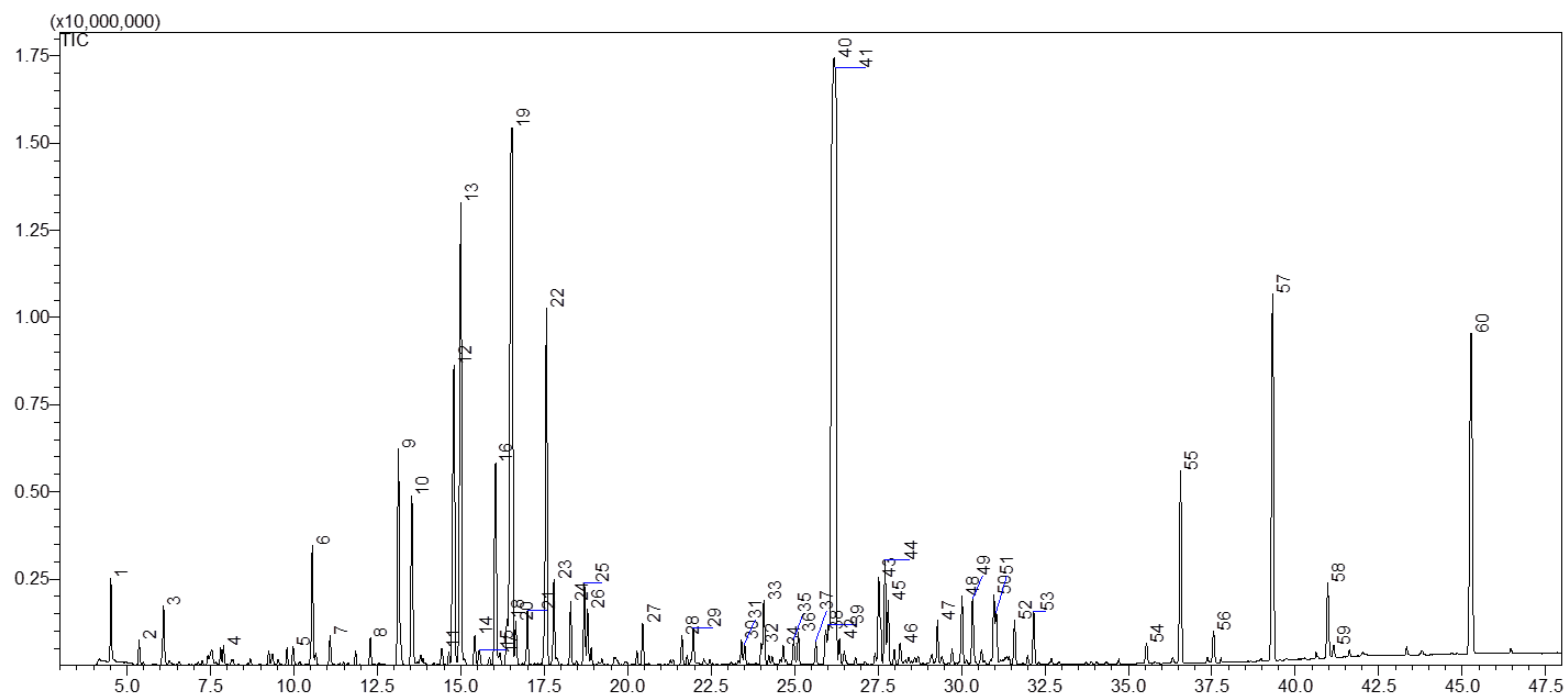




Supplementary Figure 1. Drying curves of purple basil in semi-shade (top) and tray (bottom) drying methods.



Supplementary Figure 2a. A representantive GC-MS chromatogram of fresh basil (1: 2-Propanone; 2: 2-Methylbutanal; 3: 3-Methylbutanal; 4: Butanoic acid; 5: α -Pinene; 6: α -Phellandrene; 7: Hexanal; 8: β -Pinene; 9: β -Myrcene; 10: Hexanoic acid; 11: dl-Limonene; 12: 1;8-Cineole; 13: (E) -2-Hexenal; 14: γ -Terpinene; 15: 2-Methyl-3 -heptanone; 16: 3-Octanone; 17: Styrene; 18: Acetic acid; 19: *p*-Cymene; 20: α -Terpinolene; 21: 2-Penten-1-ol; 22: 6-Methyl-5-Hepten- 2-On; 23: 1-Hexanol; 24: Octanoic acid; 25: 3-Hexen-1-ol; 26: 2-Hexen-1-ol; (E) -; 27: 1-Octen-3-ol; 28: α -Cubebene; 29: 2;4-Heptadienal; 30: trans-Sabinene hydrate; 31: cis-Linalool oxide; 32: 2-Ethyl-hexanol; 33: α -Copaene; 34: 3;5-Octadien-2-one; 35: β -Burbonene; 36: Benzaldehyde; 37: Linalool; 38: 1-Octanol; 39: α -trans-Bergamotene; 40: β -Elemene; 41: α -Guainene; 42: trans-Caryophyllene; 43: Caryophyllene; 44: Aromadendrene; 45: β -Cedrene; 46: Benzoic acid; 47: (E) - β -Farnesene; 48: α -Humulene; 49: trans- β -Caryophyllene; 50: α -Terpineol; 51: Valencene; 52: Germacrene; 53: α -Bulnesene; 54: β -Selinene; 55: Bicyclogermacrene; 56: γ -Cadinene; 57: cis-Calamenene; 58: Phenyl ethyl alcohol; 59: Cubenol; 60: 2-Propenoic acid; 61: Eugenol).



Supplementary Figure 2b. A representantive GC-MS chromatogram of tray-dried basil (1: *trans*- β -Ionone-5,6-epoxide; 2: 2-Propanone; 3: 2-Methylbutanal; 4: 3-Methylbutbutanal; 5: Butanoic acid; 6: α -Pinene; 7: α -Phellandrene; 8: Camphene; 9: Hexanal; 10: β -Pinene; 11: 1-Penten-3-ol; 12: Hexanoic acid; 13: 2-Methyl-3-heptanone; 14: α -Terpinene; 15: dl-Limonene; 16: 1,8-Cineole; 17: (*E*) -2-Hexenal; 18: Xylene; 19: β -Myrcene; 20: *cis*-Ocimene; 21: Styrene; 22: Acetic acid; 23: *p*-Cymene; 24: α -Terpinolene; 25: 2-Penten-1-ol; 26: 6-Methyl-5-Hepten-2-On; 27: Octanoic acid; 28: 3-Hexen-1-ol; 29: Nonanal; 30: 1-Octene-3-ol; 31: α -Cubebene; 32: Borneol-L; 33: 2,4-Heptadienal; 34: *cis*-Linalool oxide; 35: 2-Ethyl-hexanol; 36: α -Copaene; 37: 3,5-Octadien-2-one; 38: Benzaldehyde; 39: Camphor; 40: Linalool; 41: 1-Octanol; 42: α -*trans*-Bergamotene; 43: β -Elemene; 44: α -Guainene; 45: *trans*-Caryophyllene; 46: Aromadendrene; 47: Benzoic acid; 48: (*E*)- β -Farnesene; 49: α -Humulene; 50: *trans*- β Caryophyllene; 51: α -Terpineol; 52: Germacrene; 53: α -Bulnesene; 54: Bicyclogermacrene; 55: γ -Cadinene; 56: Phenyl ethyl alcohol; 57: β -Ionone; 58: 2-Propenoic acid; 59: Eugenol; 60: α -epi-Murolol)