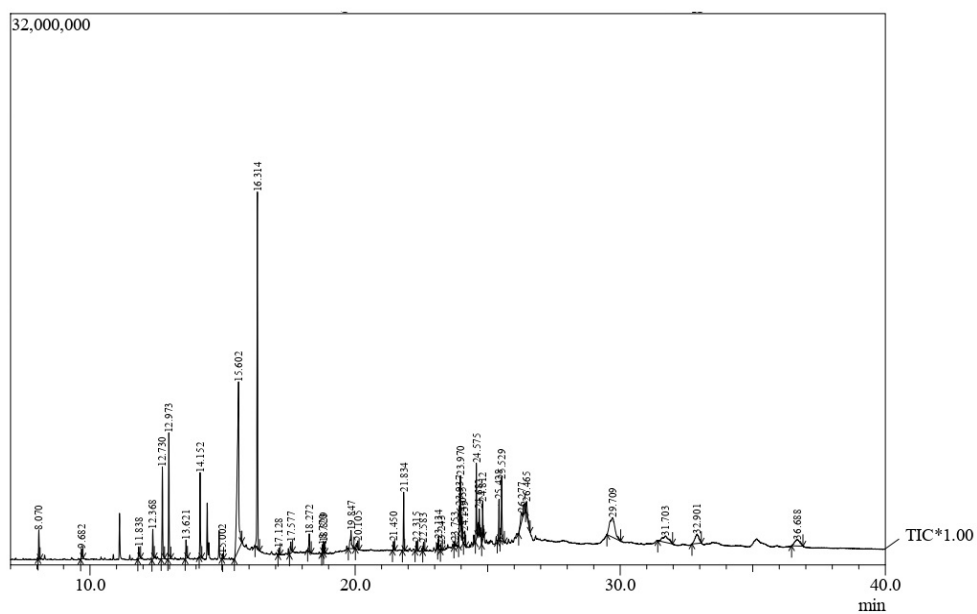




Supplementary Figure 1 GC-MS chromatogram of PHE showing the presence of different compounds at different retention time.

Supplementary Table 1 Bioactive compounds present in PHE (GCMS analysis)

Peak	Name	RT	Area%	MF	MW	Nature of compound
1	3-Cyclohexen-1-ol, methyl-1-(1-methylethyl)-, (R)-	8.070	1.23	C10H18O	154	Alcohol
2	1,3-BENZODIOXOLE, (2-PROPENYL)-	9.682	0.56	C10H10O2	162	Phenylpropanoid
3	Phenol, 2-methoxy-4-(1-propenyl)-, (Z)-	11.838	0.76	C10H12O2	164	Alcohol
4	1,2-DIMETHOXY-4-[(1E)-1-PROPENYL]BENZENE	12.368	1.43	C11H14O2	178	Phenylpropanoid
5	1,3-Benzodioxole, methoxy-6-(2-propenyl)-	12.730	4.45	C11H12O3	192	Phenylpropanoids
6	Benzene, 1,2,3-trimethoxy-5-(2-propenyl)-	12.973	5.53	C12H16O3	208	Phenylpropanoids
7	Phenol, 2,6-dimethoxy-4-(2-propenyl)-	13.621	0.97	C11H14O3	194	Phenylpropene
8	Dodecanoic acid, TMS derivative	14.152	3.84	C15H32O2Si	272	Fatty acid
9	Methyl tetradecanoate	15.002	0.20	C15H30O2	242	Fatty acid methyl ester
10	Tetradecanoic acid	15.602	20.38	C14H28O2	228	Fatty acid
11	Myristic acid, TMS derivative	16.314	17.95	C17H36O2Si	300	Fatty acid
12	HEXADECANOIC ACID, METHYL ESTER	17.128	0.27	C17H34O2	270	Fatty acid methyl ester
13	n-Hexadecanoic acid	17.577	0.72	C16H32O2	256	Fatty acid
14	Carbonic acid,	18.272	0.99	C29H59NO2	453	Ester

	monoamide, N-octadecyl-, decyl ester						
15	9,12-Octadecadienoic acid, methyl ester	18.770	0.35	C19H34O2	294	Fatty acid methyl ester	
16	9-Octadecenoic acid, methyl ester, (E)-	18.829	0.43	C19H36O2	296	Fatty acid methyl ester	
17	9-Tetradecenoic acid, (E)-, TMS derivative	19.847	1.80	C17H34O2Si	298	Fatty acid	
18	Cyclohexanol, 1-methyl-4-(1-methylethylidene)-, acetate	20.105	0.68	C12H20O2	196	Terpene	
19	Isobutyl 2-(4-methylcyclohex-3-enyl)propan-2-yl carbonate	21.450	0.38	C15H26O3	254	Terpene	
20	p-Menth-8-en-3-ol, acetate	21.834	2.54	C12H20O2	196	Terpene	
21	3,7-Dimethyloct-6-en-1-yl tetradecanoate	22.315	0.51	C24H46O2	366	Fatty acid	
22	(2E)-3,7-DIMETHYL-2,6-OCTADIENYL HEXANOATE	22.583	0.36	C16H28O2	252	Fatty acid	
23	1-Propanone, 1-(2,4-dimethoxyphenyl)-	23.134	0.34	C11H14O3	194	Ketone	
24	(S)-5-Allyl-2-((1-(3,4-dimethoxyphenyl)propan-2-yl)oxy)-1	23.243	0.23	C22H28O5	372	Ether	
25	4-isopropyl-1,6-dimethyl-1,2,3,4-	23.753	0.20	C15H22	202	Hydrocarbon	

	tetrahydronaphthalene						
26	Licarin A	23.937	0.55	C20H22O4	326	Neolignan	
27	Licarin B	23.970	1.53	C20H20O4	324	Neolignan	
28	(S)-5-Allyl-1,3-dimethoxy- 2-((1-(3,4,5- trimethoxyphenyl)p	24.035	0.62	C23H30O6	402	Ether	
29	PHENOL, 2,2'- METHYLENEBIS[6- METHOXY-3-(2-PR	24.139	0.64	C21H24O4	340	Alcohol	
30	(1S,2R)-2-(4-Allyl-2,6- dimethoxyphenoxy)-1- (3,4- dimethoxyphenyl)propyl acetate	24.575	3.27	C24H30O7	430	Phenylpropanoids	
31	6-Methoxyeugenyl isovalerate	24.682	0.88	C16H22O4	278	Fatty acid	
32	(1S,2R)-2-(4-Allyl-2,6- dimethoxyphenoxy)-1- (3,4-dimetho	24.812	1.68	C22H28O6	388	Phenylpropanoids	
33	1-Phosphacyclopent-2- ene, 1,2,3-triphenyl-5- dimethylmeth	25.428	1.95	C25H23P	354	Hydrocarbon	
34	(1S,2R)-2-(4-allyl-2,6- Dimethoxyphenoxy)-1- (3,4,5-trimethoxyphenyl) propan-1-ol-rel-	25.529	3.80	C23H30O7	418	Phenylpropanoids	
35	TETRACOSAPENTAENE, 2,6,10,15,19,23-	29.709	8.71	C30H52	412	Triterpenoids	

HEXAMETHYL

36	TETRACOSENOIC ACID, 2- [(TRIMETHYLSILYL)OXY	26.465	1.47	C ₂₈ H ₅₆ O ₃ Si	468	Ester
37	Cholesta-5,20-dien-3-ol, (3.beta.)-	31.703	2.76	C ₂₇ H ₄₄ O	384	Sterol
38	Adipic acid, 2,4-dimethylpent-3-yl eicosyl ester	32.901	2.70	C ₃₃ H ₆₄ O ₄	524	Ester
39	HEXADECANOIC ACID, 2-HYDROXY-1,3-PROPANEDIYL ESTER	36.688	2.37	C ₃₅ H ₆₈ O ₅	568	Fatty acid
