

Table S1. GC-MS analysis results of A8 FL.

Name	Molecular formula	Similarity	Molecular weight	Classification
naphthalene	C ₁₀ H ₈	98	128	aromatic hydrocarbons
paraxylene	C ₈ H ₁₀	98	106	aromatic hydrocarbons
1,2,3,5-tetramethylbenzene	C ₁₀ H ₁₄	98	134	aromatic hydrocarbons
palmitoleic acid	C ₁₆ H ₃₀ O ₂	97	254	fatty acids
2-dimethylbenzene	C ₈ H ₁₀	97	106	aromatic hydrocarbons
dibutylphthalate	C ₁₆ H ₂₂ O ₄	97	278	ester
2-Ethyl-1,4-dimethylbenzene	C ₁₀ H ₁₄	97	134	aromatic hydrocarbons
1-Ethyl-3-methylbenzene	C ₉ H ₁₂	97	120	aromatic hydrocarbons
1-Ethyl-2,4-dimethylbenzene	C ₁₀ H ₁₄	97	134	aromatic hydrocarbons
1-Methyl-3-(1-methylethyl) -benzene	C ₁₀ H ₁₄	97	134	aromatic hydrocarbons
1,2,4,5-tetramethylbenzene	C ₁₀ H ₁₄	97	134	aromatic hydrocarbons
1,2,3,5-tetramethylbenzene	C ₁₀ H ₁₄	97	134	aromatic hydrocarbons
1,2,3,4-tetramethylbenzene	C ₁₀ H ₁₄	97	134	aromatic hydrocarbons
n-hexadecanoic acid	C ₁₆ H ₃₂ O ₂	96	256	fatty acids
mesitylene	C ₉ H ₁₂	96	120	aromatic hydrocarbons
3 furan methanol	C ₅ H ₆ O ₂	96	98	alcohols
2-Ethyl-1,4-dimethylbenzene	C ₁₀ H ₁₄	96	134	aromatic hydrocarbons
2-methylnaphthalene	C ₁₁ H ₁₀	96	142	aromatic hydrocarbons
1-Ethyl-3,5-dimethylbenzene	C ₁₀ H ₁₄	96	134	aromatic hydrocarbons
1-Ethyl-2-methylbenzene	C ₉ H ₁₂	96	120	aromatic hydrocarbons
1-Methyl-3- (1-methylethyl) -benzene	C ₁₀ H ₁₄	96	134	aromatic hydrocarbons
1,2,3-Trimethylbenzene	C ₉ H ₁₂	96	120	aromatic hydrocarbons
1,2,3,5-Tetramethylbenzene	C ₁₀ H ₁₄	96	134	aromatic hydrocarbons
Indene	C ₉ H ₁₀	95	118	aromatic hydrocarbons
pentadecanoic acid	C ₁₅ H ₃₀ O ₂	95	242	fatty acids
diisocapryl phthalate	C ₂₄ H ₃₈ O ₄	95	390	ester
paraxylene	C ₈ H ₁₀	95	106	aromatic hydrocarbons
propylbenzene	C ₉ H ₁₂	95	120	aromatic hydrocarbons
2,3-Dihydro-5-methyl-1H-indene	C ₁₀ H ₁₂	95	132	aromatic hydrocarbons
2- (Dodecyloxy) -ethanol	C ₁₄ H ₃₀ O ₂	95	230	alcohols
2- (2-methylphenyl) ethylene oxide	C ₉ H ₁₀ O	95	134	alkanes
1-Methyl-4- (1-methylpropyl-benzene)	C ₁₁ H ₁₆	95	148	aromatic hydrocarbons
1-Methyl-3-propylbenzene	C ₁₀ H ₁₄	95	134	aromatic hydrocarbons
1,3-Dimethylbenzene	C ₈ H ₁₀	95	106	aromatic hydrocarbons
(z) Oleamide	C ₁₈ H ₃₅ NO	95	281	amides
(1-methylpropyl) -benzene	C ₁₀ H ₁₄	95	134	aromatic hydrocarbons
N-octadecyl acetate	C ₂₀ H ₄₀ O ₂	94	312	ester
ethylene glycol diacetate	C ₂₂ H ₄₄ O ₂	94	340	ester
myristic acid	C ₁₄ H ₂₈ O ₂	94	228	fatty acids
Nonadecyl heptafluorobutyrate	C ₂₃ H ₃₉ F ₇ O ₂	94	480	ester

o-cymene	C ₁₀ H ₁₄	94	134	aromatic hydrocarbons
dimethylphthalate	C ₁₀ H ₁₀ O ₄	94	194	ester
1-heptacosanol	C ₂₇ H ₅₆ O	94	396	alcohols
3-hydroxydecanoic acid (3hd)	C ₁₀ H ₂₀ O ₃	94	188	fatty acids
2-Ethyl-1,3-dimethylbenzene	C ₁₀ H ₁₄	94	134	aromatic hydrocarbons
2,3-Dihydro-4-methyl-1 (H) -indene	C ₁₀ H ₁₂	94	132	aromatic hydrocarbons
1-Vinyl-4-ethylbenzene	C ₁₀ H ₁₂	94	132	aromatic hydrocarbons
1-Ethyl-2,4-dimethylbenzene	C ₁₀ H ₁₄	94	134	aromatic hydrocarbons
1-Methyl-4-propylbenzene	C ₁₀ H ₁₄	94	134	aromatic hydrocarbons
1-Methyl-2-propylbenzene	C ₁₀ H ₁₄	94	134	aromatic hydrocarbons
1,2-Benzenedicarboxylic acid, bis (2-methylpropyl) ester	C ₁₆ H ₂₂ O ₄	94	278	ester
phthalate (2-ethylhexyl) phthalate	C ₂₄ H ₃₈ O ₄	93	390	ester
Phthalic acid, hexyl-3-isobutyl ester	C ₁₈ H ₂₆ O ₄	93	306	ester
Phthalic acid, hept-3-yl isobutyl ester	C ₁₉ H ₂₈ O ₄	93	320	ester
Nonadecyl acetate	C ₂₁ H ₄₂ O ₂	93	326	ester
2 ' , 4 ' -Dihydroxy-3 ' -methylacetophenone	C ₉ H ₁₀ O ₃	93	166	ketone
1-Methyl-4-propylbenzene	C ₁₀ H ₁₄	93	134	aromatic hydrocarbons
(9E) -9-hexadecacarbon	C ₂₆ H ₅₂	93	364	alkanes
pentamethylbenzene	C ₁₁ H ₁₆	92	148	aromatic hydrocarbons
Cis-10-heptadecaenoic acid	C ₁₇ H ₃₂ O ₂	92	268	fatty acids
Phthalic acid, bis (7-methyloctyl) ester	C ₂₆ H ₄₂ O ₄	92	418	ester
cyclopropylbenzene	C ₉ H ₁₀	92	118	aromatic hydrocarbons
2-acetyl-resorcinol	C ₈ H ₈ O ₃	92	152	phenols
2,2 ' -Methylenebis (6-tert-butyl-4-methylphenol)	C ₂₃ H ₃₂ O ₂	92	340	phenols
1-Methyl-2-propylbenzene	C ₁₀ H ₁₄	92	134	aromatic hydrocarbons
1,4-Diethyl-2-methylbenzene	C ₁₁ H ₁₆	92	148	aromatic hydrocarbons
1,3-diethylbenzene	C ₁₀ H ₁₄	92	134	aromatic hydrocarbons
(1-methylpropyl) -benzene	C ₁₀ H ₁₄	92	134	aromatic hydrocarbons
Tetrapentadecane	C ₅₄ H ₁₁₀	91	758	alkanes
Phthalic acid, bis (7-methyloctyl) ester	C ₂₆ H ₄₂ O ₄	91	418	ester
Adipic acid, bis (2-ethylhexyl) ester	C ₂₂ H ₄₂ O ₄	91	370	ester
Diisooctyl adipate	C ₂₂ H ₄₂ O ₄	91	370	ester
N- (2-phenylethyl) -acetamide	C ₁₀ H ₁₃ NO	91	163	amides
7-Ethyl-1,3,5-cycloheptatriene	C ₉ H ₁₂	91	120	alkenes
2-Ethyl-1,4-dimethylbenzene	C ₁₀ H ₁₄	91	134	aromatic hydrocarbons
2-Hydroxy-cyclopentadecanone	C ₁₅ H ₂₈ O ₂	91	240	ketone
2-furanemethanol	C ₅ H ₆ O ₂	91	98	alcohols
2- (hexadecyloxy) -ethanol	C ₁₈ H ₃₈ O ₂	91	286	alcohols
1,2-Benzenedicarboxylic acid, dinonyl ester	C ₂₆ H ₄₂ O ₄	91	418	ester
Cis-acetic acid	C ₁₈ H ₃₄ O ₂	90	282	fatty acids

5-methyl-resorcinol	C ₇ H ₈ O ₂	90	124	phenols
3-methyl-1,2-cyclopentanedione	C ₆ H ₈ O ₂	90	112	ketone
3,4-Dimethylisopropylbenzene	C ₁₁ H ₁₆	90	148	aromatic hydrocarbons
2-bromohexane	C ₆ H ₁₃ Br	90	164	alkanes
2-Hydroxy-cyclopentadecanone	C ₁₅ H ₂₈ O ₂	90	240	ketone
2- (Tetradecyloxy) -ethanol	C ₁₆ H ₃₄ O ₂	90	258	alcohols
1- (2,5-dihydroxyphenyl) -ethanone	C ₈ H ₈ O ₃	90	152	ketone
n-hexadecanoic acid	C ₁₆ H ₃₂ O ₂	89	256	fatty acids
n-tetratriacontane	C ₃₄ H ₇₀	89	478	alkanes
n-hexatriacontane	C ₃₆ H ₇₄	89	506	alkanes
pentamethylbenzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
hendecanoic acid	C ₁₁ H ₂₂ O ₂	89	186	fatty acids
L- (+) -ascorbic acid 2,6-hexacosate	C ₃₈ H ₆₈ O ₈	89	652	ester
3,4-Dimethylisopropylbenzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
2,4-Diethyl-1-methylbenzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
1-Ethyl-4- (1-methylethyl) -benzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
1-Ethyl-3,5-dimethylbenzene	C ₁₀ H ₁₄	89	134	aromatic hydrocarbons
1-Ethyl-2,3-dimethyl-benzene	C ₁₀ H ₁₄	89	134	aromatic hydrocarbons
1-Methyl-4- (1-methylpropyl) benzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
1-Methyl-4- (1-methylpropyl) benzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
1,3-Dimethyl-5- (1-methylethyl) -benzene	C ₁₁ H ₁₆	89	148	aromatic hydrocarbons
(R) -6- (phenylmethyl) -4,7-diazaspiro [2.5] octane-5,8-dione	C ₁₃ H ₁₄ N ₂ O ₂	89	230	ketone
(11Z) -11-pentadecene-1-ol	C ₁₅ H ₃₀ O	89	226	alcohols
Tetrahydro-2 (H) -pyran-2-methanol	C ₆ H ₁₂ O ₂	88	116	alcohols
hexatriacontane	C ₃₆ H ₇₄	88	506	alkanes
Phthalic acid, bis (7-methyloctyl) ester	C ₂₆ H ₄₂ O ₄	88	418	ester
2-Hydroxy-3-methyl-2-cyclopenten-1-one	C ₆ H ₈ O ₂	88	112	ketone
2-methyl-1,3-benzenediol	C ₇ H ₈ O ₂	88	124	phenols
1-Ethyl-3- (1-methylethyl) -benzene	C ₁₁ H ₁₆	88	148	aromatic hydrocarbons
1,2-Benzenedicarboxylic acid, dinonyl ester	C ₂₆ H ₄₂ O ₄	88	418	ester
tetratetracontane	C ₄₄ H ₉₀	87	618	alkanes
dodecanoic acid	C ₁₂ H ₂₄ O ₂	87	200	fatty acids
eicosane	C ₂₀ H ₄₂	87	282	alkanes
Dichloroacetic acid, trideca-2-alkynyl ester	C ₁₅ H ₂₄ Cl ₂ O ₂	87	306	ester
3,4-Dimethylisopropylbenzene	C ₁₁ H ₁₆	87	148	aromatic hydrocarbons
3,4-Dimethylisopropylbenzene	C ₁₁ H ₁₆	87	148	aromatic hydrocarbons
2-Hydroxydecanoic acid	C ₁₀ H ₂₀ O ₃	87	188	fatty acids
2-Methyl-1,4-benzenedialdehyde	C ₉ H ₈ O ₂	87	148	aromatic aldehydes

2,4-di-tert-butylphenol	C ₁₄ H ₂₂ O	87	206	phenols
1-Methyl-4- (1-methylpropyl) benzene	C ₁₁ H ₁₆	87	148	aromatic hydrocarbons
1,3-Diethyl-5-methylbenzene	C ₁₁ H ₁₆	87	148	aromatic hydrocarbons
1,2-Benzenedicarboxylic acid, dinonyl ester	C ₂₆ H ₄₂ O ₄	87	418	ester
1- (2-hydroxy-4-methoxyphenyl) -ethanone	C ₉ H ₁₀ O ₃	87	166	ketone
Cis-9-hexadecene	C ₁₆ H ₃₀ O	86	238	fatty acids
dodecanoic acid	C ₁₂ H ₂₄ O ₂	86	200	fatty acids
tetratriacontane	C ₃₄ H ₇₀	86	478	alkanes
Phthalic acid, bis (7-methyloctyl) ester	C ₂₆ H ₄₂ O ₄	86	418	ester
dicumyl peroxide	C ₁₈ H ₂₂ O ₂	86	270	aromatic hydrocarbons
7-Hexadecen-1-ol	C ₁₆ H ₃₀ O	86	238	alcohols
7- (2-octyl-1-cyclopropene-1-yl) -1-heptanol	C ₁₈ H ₃₄ O	86	266	alcohols
4-Methyl-1,2-benzenediol	C ₇ H ₈ O ₂	86	124	phenols
3-hydroxy myristic acid	C ₁₄ H ₂₈ O ₃	86	244	fatty acids
3-Methyl-2,5-furandione	C ₅ H ₄ O ₃	86	112	ketone
2 ' -Hydroxy-4 ' -methoxyacetophenone, acetate	C ₁₁ H ₁₂ O ₄	86	208	ester
2 ' , 4 ' -dimethoxyacetophenone	C ₁₀ H ₁₂ O ₃	86	180	ketone
2,3-Dihydro-4,7-dimethyl-1H-indene	C ₁₁ H ₁₄	86	146	aromatic hydrocarbons
2,2,4,6,6-pentamethyl-heptane	C ₁₂ H ₂₆	86	170	alkanes
1-Ethyl-4- (1-methylethyl) -benzene	C ₁₁ H ₁₆	86	148	aromatic hydrocarbons
1-Ethyl-2,4,5-trimethylbenzene	C ₁₁ H ₁₆	86	148	aromatic hydrocarbons
1,3-Dimethyl-5- (1-methylethyl) -benzene	C ₁₁ H ₁₆	86	148	aromatic hydrocarbons
(1,1-dimethylpropyl) -benzene	C ₁₁ H ₁₆	86	148	aromatic hydrocarbons
