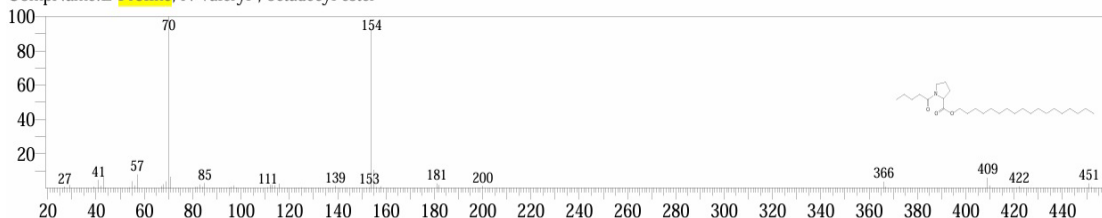


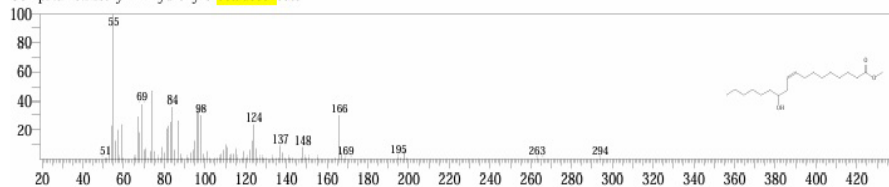
Supplementary material: Following some important functional bioactive compounds (eleven) located in the crude extract on *X. stockiae* and *P. luminescens* using Gas chromatography-mass spectrometry with main constituents through NISIT Library [1,2- Benzenedicarboxylic acid, Acetic acid, Hydroxybenzoic acid, Octadecenol, Nonanoic acid, Octadecanic acid, Oleic acid methyl ester, Phthalic acid, Piperidenyl, Tetradecanic acid and Linoleic acid].

Hit#:5 Entry:197003 Library:NIST11.lib
 SI:77 Formula:C₂₈H₅₃NO₃ CAS:0-00-0 MolWeight:451 RetIndex:3264
 CompName:L-**Proline**, N-valeryl-, octadecyl ester



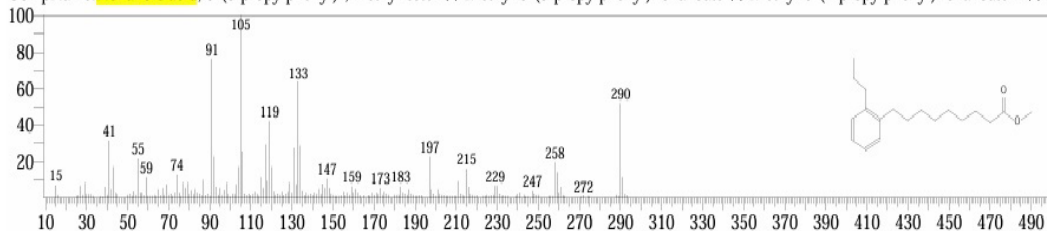
S1

RT:22.981 Library:NIST11.lib
 SI:86 Formula:C₁₉H₃₆O₃ CAS:0-00-0 MolWeight:312 RetIndex:2247
 CompName:Methyl 12-hydroxy-9-**octadecenoate**



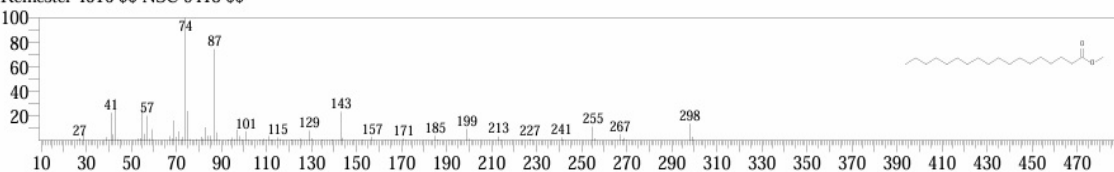
S2

R.time 5.631 Library:NIST11.lib
 SI:75 Formula:C₁₉H₃₀O₂ CAS:17670-86-9 MolWeight:290
 CompName:**Nonanoic acid**, 9-(o-propylphenyl)-, methyl ester \$\$ Methyl 9-(o-propylphenyl)nonanoate \$\$ Methyl 9-(2-propylphenyl)nonanoate # \$\$



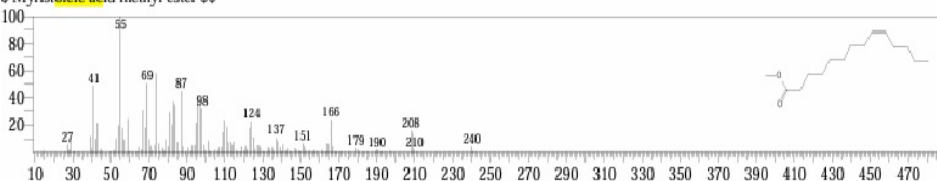
S3.

RT-8.848 Library:NIST11.lib
 SI:96 Formula:C19H38O2 CAS:112-61-8 MolWeight:298 RetIndex:2077
 CompName:Methyl stearate \$\$ Octadecanoic acid, methyl ester \$\$ Stearic acid, methyl ester \$\$ n-Octadecanoic acid, methyl ester \$\$ Kemester 9718
 \$\$ Methyl n-octadecanoate \$\$ Methyl octadecanoate \$\$ Metholene 2218 \$\$ Emery 2218 \$\$ Kemester 9018 \$\$ Methyl ester of octadecanoic acid \$\$
 Kemester 4516 \$\$ NSC 9418 \$\$



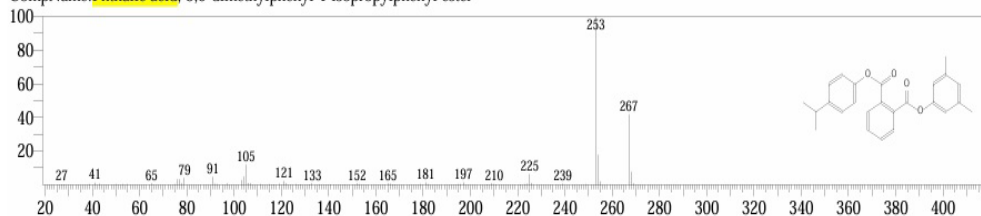
S4.

RT-23.978 Library:NIST11.lib
 SI:87 Formula:C15H28O2 CAS:56219-06-8 MolWeight:240 RetIndex:1688
 CompName:Methyl myristoleate \$\$ cis-9-Tetradecenoic acid, methyl ester \$\$ (Z)-9-Tetradecenoic acid, methyl ester \$\$ Methyl cis-9-tetradecenoate \$
 \$ Myristoleic acid methyl ester \$\$



S5.

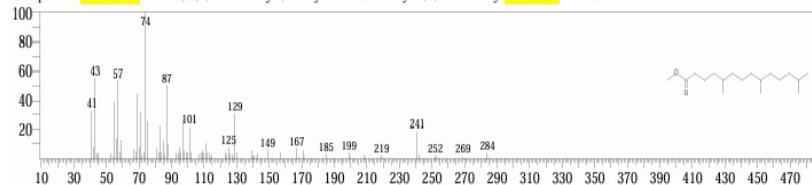
RT-8.302 Library:NIST11.lib
 SI:66 Formula:C25H24O4 CAS:0-00-0 MolWeight:388 RetIndex:3062
 CompName:Phthalic acid, 3,5-dimethylphenyl 4-isopropylphenyl ester



S6.

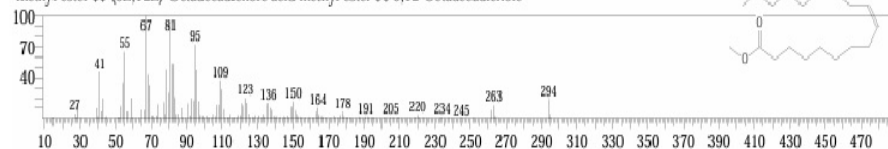
S6.

RT:12.816 Library:NIST11.lib
 SI:82 Formula:C18H36O2 CAS:56196-55-5 MolWeight:284 RetIndex:1785
 CompName:Tetradecanoic acid, 5,9,13-trimethyl-, methyl ester \$Methyl 5,9,13-trimethyltetradecanoate \$



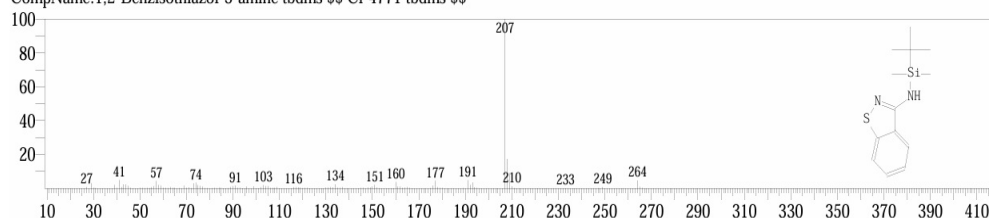
S7.

RT:29.897 Library:NIST11.lib
 SI:93 Formula:C19H34O2 CAS:112-63-0 MolWeight:294 RetIndex:2093
 CompName:9,12-Octadecadienoic acid (Z,Z)-, methyl ester \$Linoleic acid, methyl ester \$Methyl cis,cis-9,12-octadecadienoate \$Methyl linoleate \$Methyl 9-cis,12-cis-octadecadienoate \$Methyl (9Z,12Z)-9,12-octadecadienoate # \$9,12-Octadecadienoic acid, methyl ester, (Z,Z) \$cis-9,cis-12-Octadecadienoic acid, methyl ester \$cis-Linoleic acid methyl ester \$Methyl (Z,Z)-9,12-octadecadienoate \$ (Z,Z)-9,12-octadecadienoic acid methyl ester \$ (9Z,12Z)-Octadecadienoic acid methyl ester \$9,12-Octadecadienoic



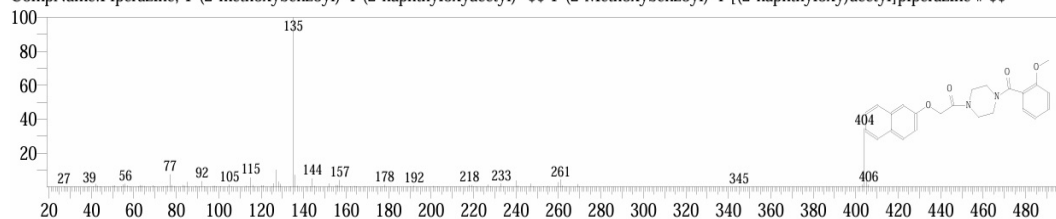
S8.

Hit#:5 Entry:89972 Library:NIST11.lib
 SI:72 Formula:C13H20N2SSi CAS:0-00-0 MolWeight:264 RetIndex:1818
 CompName:1,2-Benzisothiazol-3-amine tbdms \$CI-4771 tbdms \$



S9

Hit#:4 Entry:183986 Library:NIST11.lib
 SI:50 Formula:C24H24N2O4 CAS:333756-85-7 MolWeight:404 RetIndex:3479
 CompName:Piperazine, 1-(2-methoxybenzoyl)-4-(2-naphthoxyacetyl)- \$1-(2-Methoxybenzoyl)-4-[(2-naphthoxy)acetyl]piperazine # \$



S10