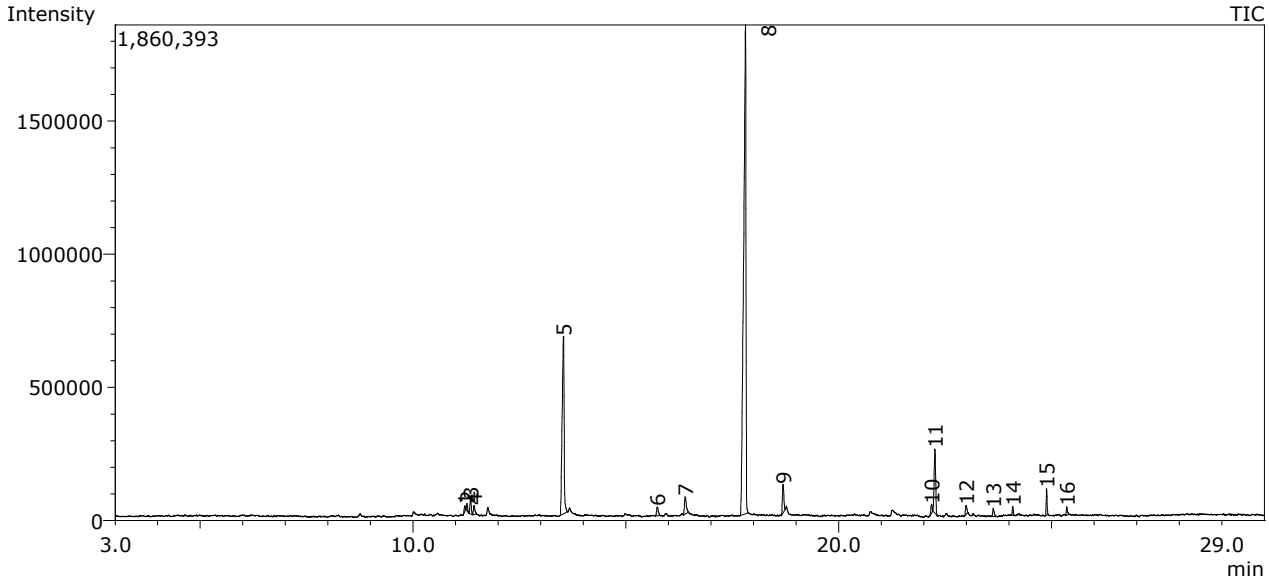
# CSIR-INDIAN INSTITUTE OF INTEGRATIVE MEDICINE
## Quality Management and Instrumentation Division
## GCMS ANALYSIS REPORT

Sample Information

Analyzed by : Dr. Nagaraju Nekkala
Analyzed : 01-07-2026 14:43:59
Sample Name : LB 1
Sample ID : LB 1
Vial # : 8
Injection Volume : 1.00
Data File : D:\GCMS-2026\Dr. Suphla Gupta\DATA\JULY 2026\01-07-2026-06.qgd
Batch File : D:\GCMS-2026\BATCH\01.07.2026-01.qgb
Method File : D:\GCMS-2026\Dr. Suphla Gupta\METHODS\GCMS_LIQ_1_5ms_EO_07.qgm
Tuning File : D:\GCMS-2026\Tuning\F1-15-04-2026.qgt
Modified : 02-07-2026 19:16:42




Peak Report TIC

| Peak# | R.Time | Area | Area% | Similarity | Name |
|---|---|---|---|---|---|
| 1 | 11.215 | 43842 | 0.40 | 87 | Cyclobutane, 1,3-diisopropenyl-, trans |
| 2 | 11.264 | 48329 | 0.44 | 89 | .beta.-Phellandrene |
| 3 | 11.348 | 119170 | 1.08 | 92 | Eucalyptol |
| 4 | 11.431 | 84354 | 0.76 | 91 | .alpha.-Pinene |
| 5 | 13.533 | 2159714 | 19.52 | 97 | Linalool |
| 6 | 15.738 | 89302 | 0.81 | 93 | endo-Borneol |
| 7 | 16.390 | 197794 | 1.79 | 93 | .alpha.-Terpineol |
| 8 | 17.808 | 6977069 | 63.07 | 97 | Linalyl acetate |
| 9 | 18.692 | 258176 | 2.33 | 94 | Lavandulyl acetate |
| 10 | 22.180 | 70087 | 0.63 | 90 | Tricyclo[2.2.1.0(2,6)]heptane, 1,7-dimethyl-7-(4-methyl-3-pentenyl)-, |
| 11 | 22.257 | 600654 | 5.43 | 95 | Caryophyllene |
| 12 | 22.992 | 82681 | 0.75 | 91 | (E)-.beta.-Famesene |
| 13 | 23.629 | 68784 | 0.62 | 89 | (1R,2S,6S,7S,8S)-8-Isopropyl-1-methyl-3-methylenetricyclo[4.4.0.02,7 |
| 14 | 24.086 | 53290 | 0.48 | 90 | Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1- |
| 15 | 24.881 | 148796 | 1.35 | 93 | Caryophyllene oxide |
| 16 | 25.356 | 60723 | 0.55 | 88 | .tau.-Cadinol |
| | | 11062765 | 100.00 | | |

# Qualitative Analysis Report

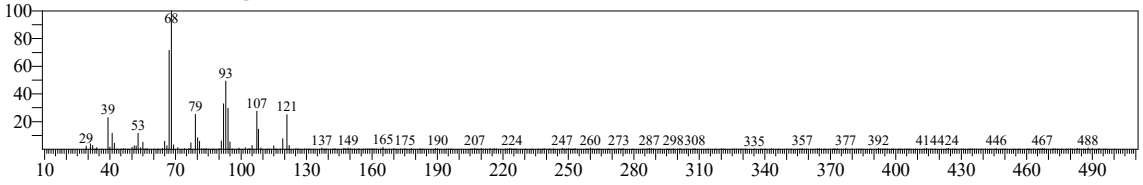
Library

<< Target >>

Line#:1 R.Time:11.215(Scan#:1644) MassPeaks:250

RawMode:Averaged 11.210-11.220(1643-1645) BasePeak:68.05(4351)

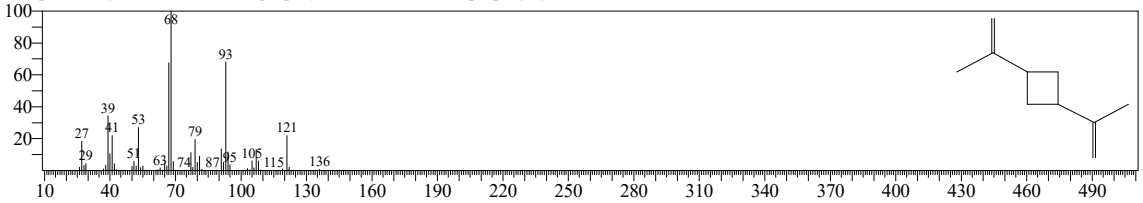
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



Hit#:1 Entry:10322 Library:NIST17M1.lib

SI:87 Formula:C10H16 CAS:0-00-0 MolWeight:136 RetIndex:934

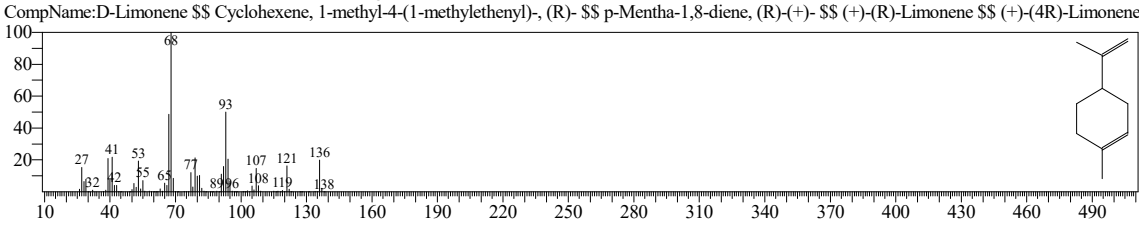
CompName:Cyclobutane, 1,3-diisopropenyl-, trans $$ 1,3-Diisopropenylcyclobutane #



Hit#:2 Entry:7902 Library:NIST17R.lib

SI:87 Formula:C10H16 CAS:5989-27-5 MolWeight:136 RetIndex:1018

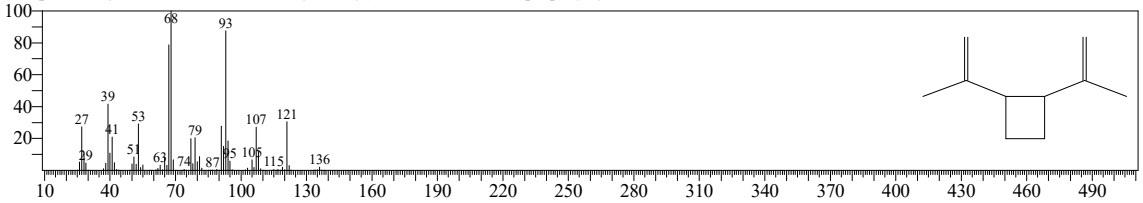
CompName:D-Limonene $$ Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- $$ p-Mentha-1,8-diene, (R)-(+)- $$ (+)-(R)-Limonene $$ (+)-(4R)-Limonene



Hit#:3 Entry:10324 Library:NIST17M1.lib

SI:87 Formula:C10H16 CAS:19465-02-2 MolWeight:136 RetIndex:934

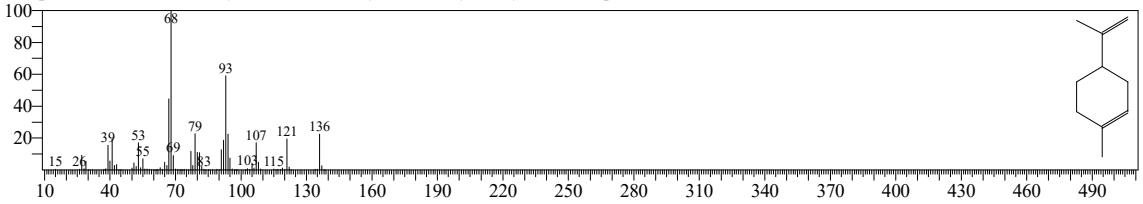
CompName:Cyclobutane, 1,2-bis(1-methylethenyl)-, trans- $$ 1,2-Diisopropenylcyclobutane #



Hit#:4 Entry:10326 Library:NIST17M1.lib

SI:87 Formula:C10H16 CAS:5989-27-5 MolWeight:136 RetIndex:1018

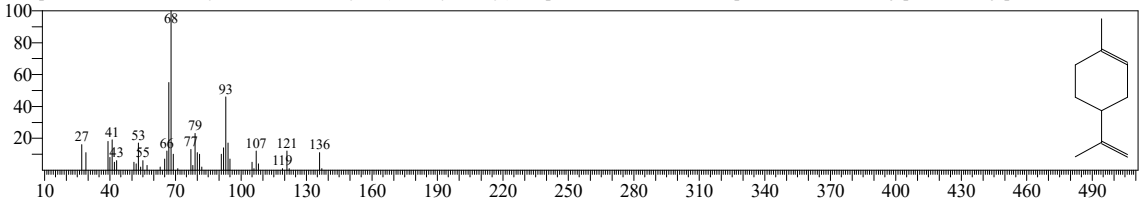
CompName:D-Limonene $$ Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- $$ p-Mentha-1,8-diene, (R)-(+)- $$ (+)-(R)-Limonene $$ (+)-(4R)-Limonene



Hit#:5 Entry:7896 Library:NIST17R.lib

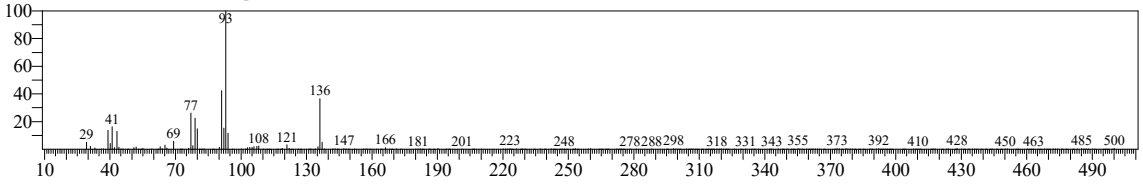
SI:86 Formula:C10H16 CAS:138-86-3 MolWeight:136 RetIndex:1018

CompName:Limonene $$ Cyclohexene, 1-methyl-4-(1-methylethenyl)- $$ p-Mentha-1,8-diene $$ .alpha.-Limonene $$ Cajeputen $$ Cajeputene $$ Cinen $

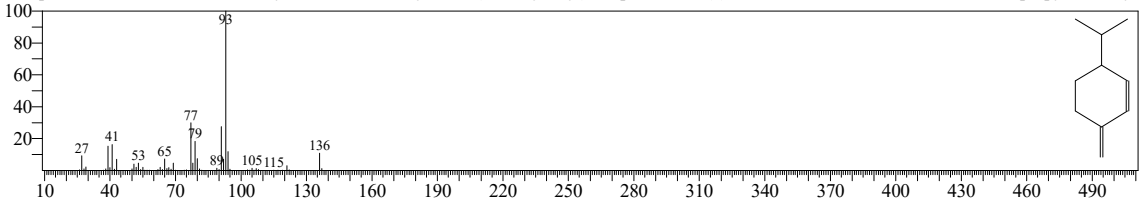


# Qualitative Analysis Report

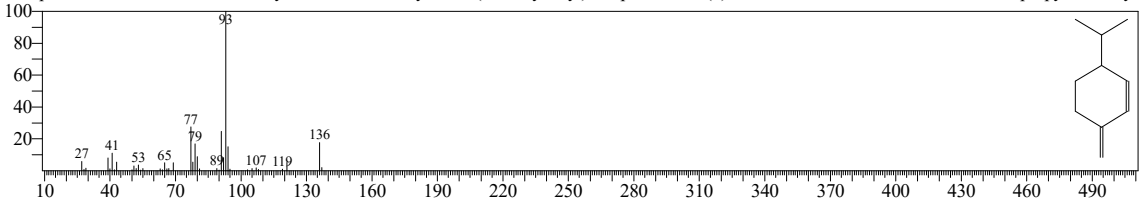
<< Target >>
Line#:2 R.Time:11.265(Scan#:1654) MassPeaks:259
RawMode:Averaged 11.260-11.270(1653-1655) BasePeak:93.10(7973)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



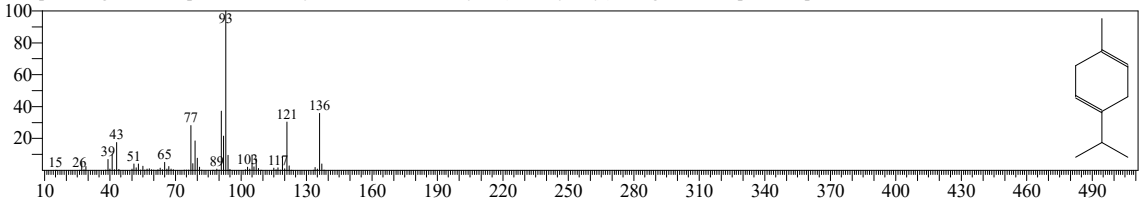

Hit#:1 Entry:7935 Library:NIST17R.lib
SI:89 Formula:C10H16 CAS:555-10-2 MolWeight:136 RetIndex:964
CompName:.beta.-Phellandrene $$ Cyclohexene, 3-methylene-6-(1-methylethyl)- $$ p-Mentha-1(7),2-diene $$ Phellandrene, .beta. $$ 3-Isopropyl-6-methyl



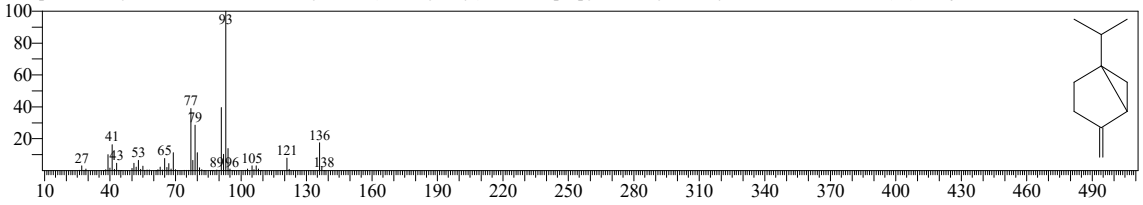

Hit#:2 Entry:10369 Library:NIST17M1.lib
SI:88 Formula:C10H16 CAS:555-10-2 MolWeight:136 RetIndex:964
CompName:.beta.-Phellandrene $$ Cyclohexene, 3-methylene-6-(1-methylethyl)- $$ p-Mentha-1(7),2-diene $$ Phellandrene, .beta. $$ 3-Isopropyl-6-methyl



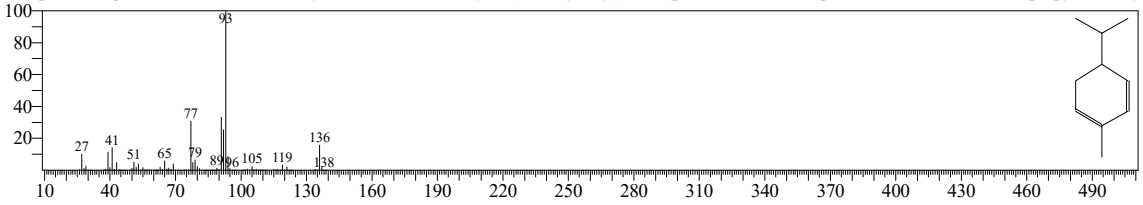

Hit#:3 Entry:10391 Library:NIST17M1.lib
SI:88 Formula:C10H16 CAS:99-85-4 MolWeight:136 RetIndex:998
CompName:.gamma.-Terpinene $$ 1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- $$ .gamma.-Terpinen $$ p-Mentha-1,4-diene $$ Crithmene $$ Moslene




Hit#:4 Entry:10383 Library:NIST17M1.lib
SI:88 Formula:C10H16 CAS:3387-41-5 MolWeight:136 RetIndex:897
CompName:Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)- $$ 1-Isopropyl-4-methylenebicyclo[3.1.0]hexane $$ 4(10)-Thujene $$ Sabinen $$ Sabine

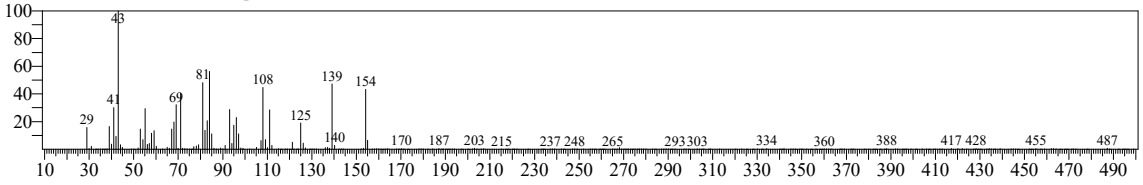



Hit#:5 Entry:10385 Library:NIST17M1.lib
SI:87 Formula:C10H16 CAS:99-83-2 MolWeight:136 RetIndex:969
CompName:.alpha.-Phellandrene $$ 1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)- $$ .alpha.-Fellandrene $$ p-Mentha-1,5-diene $$ 5-Isopropyl-2-methy

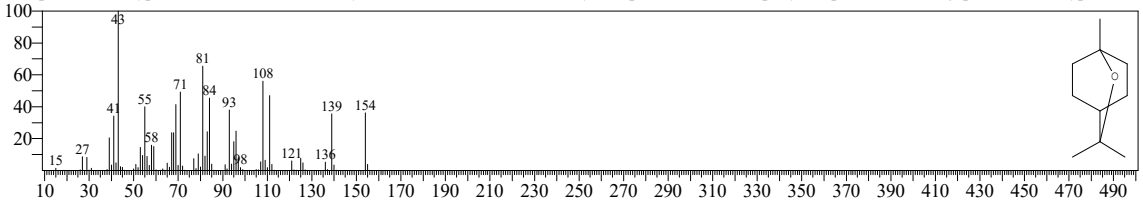


# Qualitative Analysis Report

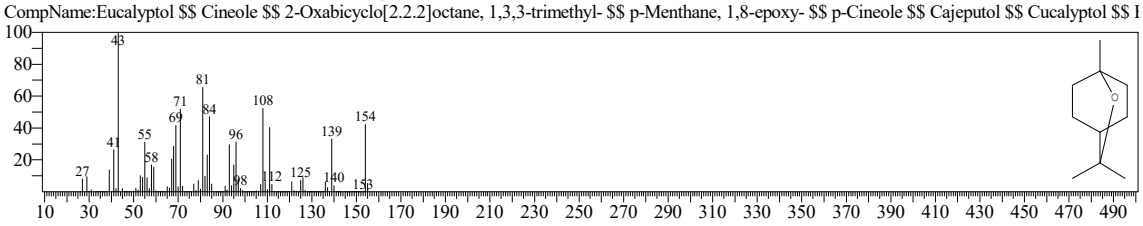
<< Target >>
Line#:3 R.Time:11.345(Scan#:1670) MassPeaks:278
RawMode:Averaged 11.340-11.350(1669-1671) BasePeak:43.00(6340)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



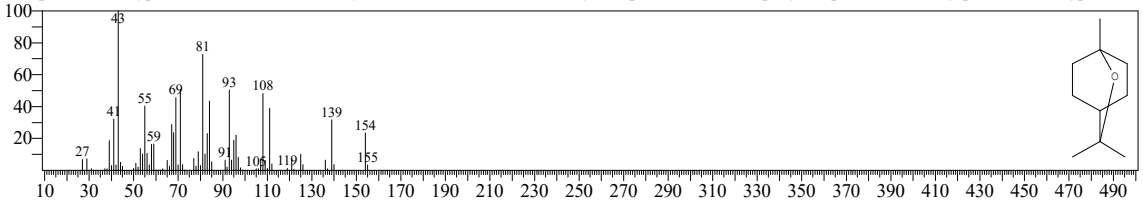
Hit#:1 Entry:18703 Library:NIST17M1.lib
SI:92 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I



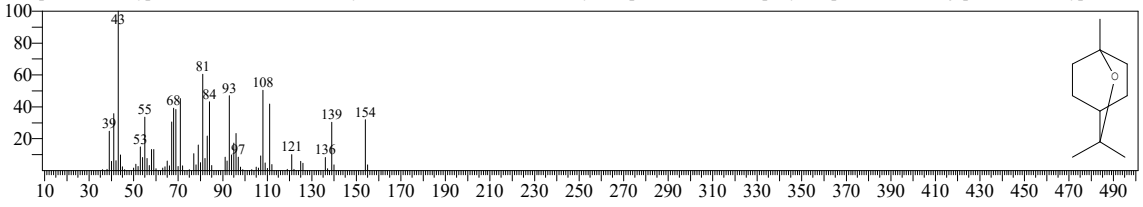
Hit#:2 Entry:11922 Library:NIST17R.lib
SI:92 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I



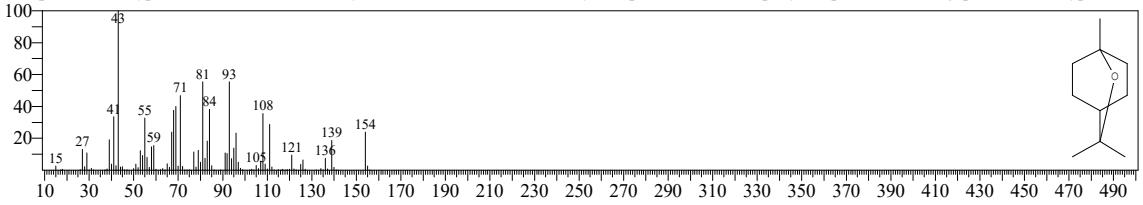
Hit#:3 Entry:11919 Library:NIST17R.lib
SI:91 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I



Hit#:4 Entry:11923 Library:NIST17R.lib
SI:90 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I

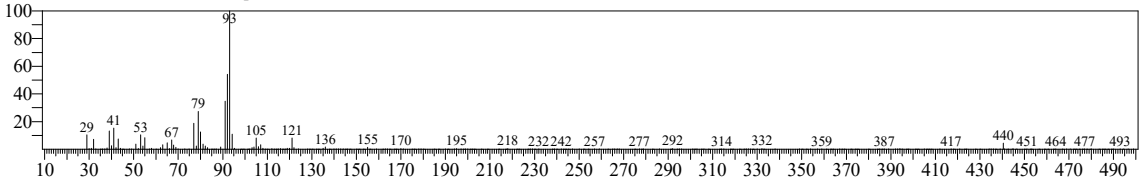


Hit#:5 Entry:11920 Library:NIST17R.lib
SI:89 Formula:C10H18O CAS:470-82-6 MolWeight:154 RetIndex:1059
CompName:Eucalyptol $$ Cineole $$ 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- $$ p-Menthane, 1,8-epoxy- $$ p-Cineole $$ Cajeputol $$ Cucalyptol $$ I

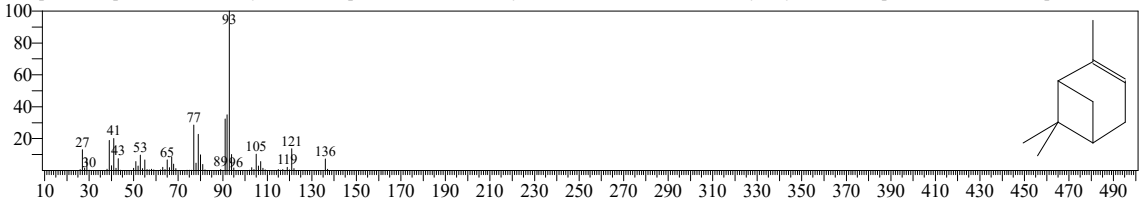


# Qualitative Analysis Report

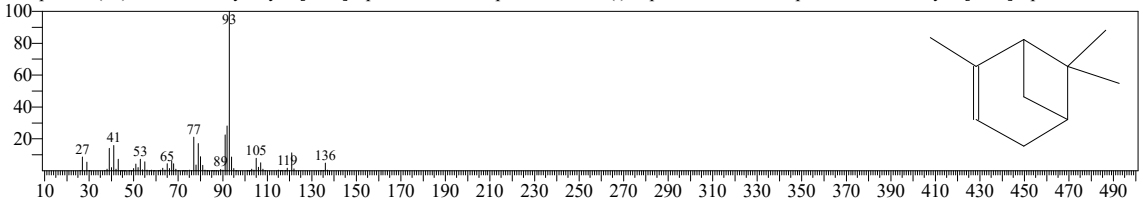
<< Target >>
Line#:4 R.Time:11.430(Scan#:1687) MassPeaks:268
RawMode:Averaged 11.425-11.435(1686-1688) BasePeak:93.05(8188)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



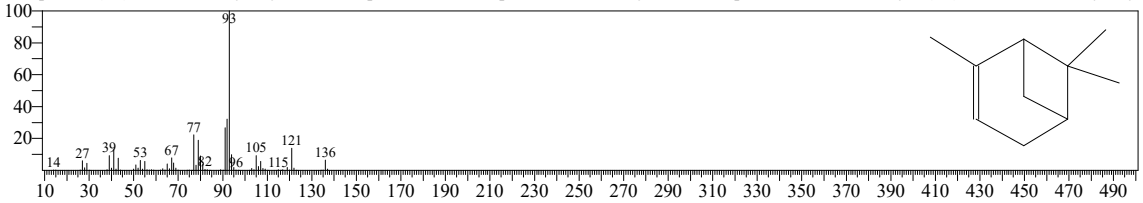
Hit#:1 Entry:7964 Library:NIST17R.lib
SI:91 Formula:C10H16 CAS:80-56-8 MolWeight:136 RetIndex:948
CompName:.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- $$ 2-Pinene $$ 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ Pinene, .alpha. $$ 2,6,6



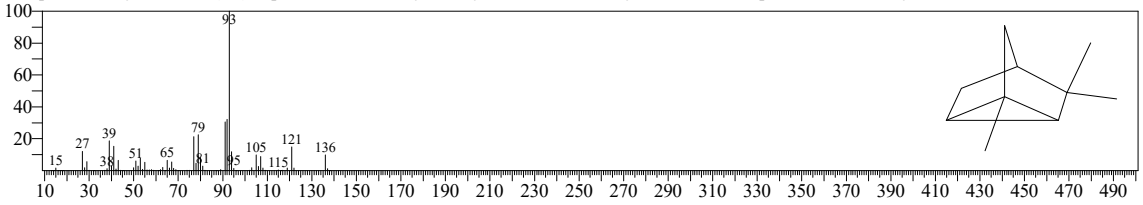
Hit#:2 Entry:10393 Library:NIST17M1.lib
SI:91 Formula:C10H16 CAS:7785-26-4 MolWeight:136 RetIndex:948
CompName:(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ 1S-.alpha.-Pinene $$ (-)-.alpha.-Pinene $$ L-.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-



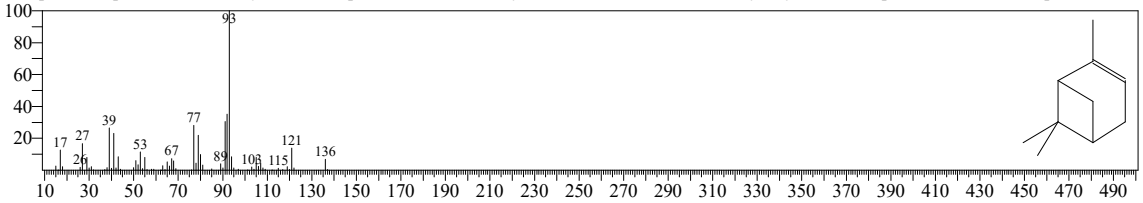
Hit#:3 Entry:10394 Library:NIST17M1.lib
SI:91 Formula:C10H16 CAS:7785-70-8 MolWeight:136 RetIndex:948
CompName:(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ 1R-.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, (1R)- $$ 2,6,6-Trimethylbicy



Hit#:4 Entry:7962 Library:NIST17R.lib
SI:90 Formula:C10H16 CAS:488-97-1 MolWeight:136 RetIndex:729
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,3,3-trimethyl- $$ Cyclofenchene $$ Tricyclo[2.2.1.02,6]heptane, 1,3,3-trimethyl-

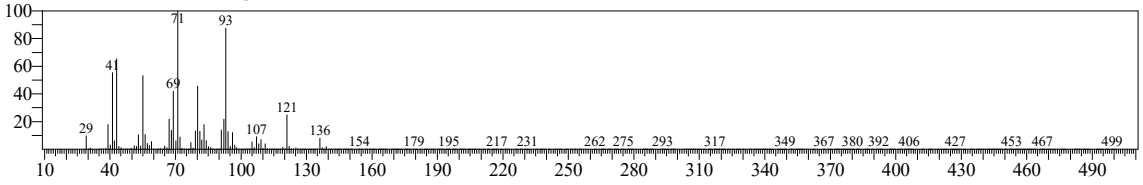


Hit#:5 Entry:7963 Library:NIST17R.lib
SI:90 Formula:C10H16 CAS:80-56-8 MolWeight:136 RetIndex:948
CompName:.alpha.-Pinene $$ Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl- $$ 2-Pinene $$ 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene $$ Pinene, .alpha. $$ 2,6,6

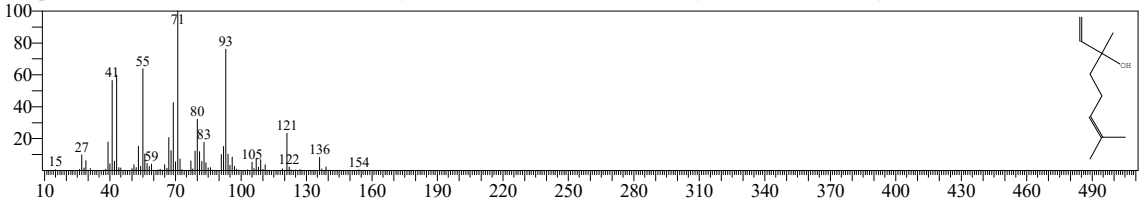


# Qualitative Analysis Report

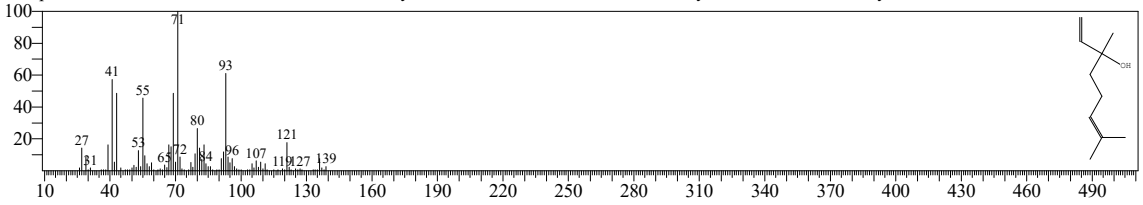
<< Target >>
Line#:5 R.Time:13.535(Scan#:2108) MassPeaks:332
RawMode:Averaged 13.530-13.540(2107-2109) BasePeak:71.05(82189)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



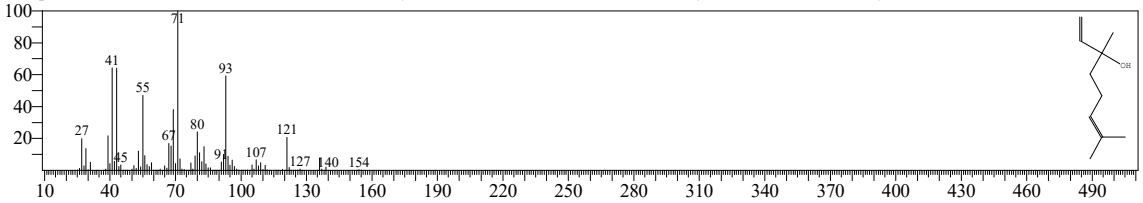
Hit#:1 Entry:18801 Library:NIST17M1.lib
SI:97 Formula:C10H18O CAS:78-70-6 MolWeight:154 RetIndex:1082
CompName:Linalool $$ 1,6-Octadien-3-ol, 3,7-dimethyl- $$ .beta.-Linalool $$ Linalol $$ Linalyl alcohol $$ 2,6-Dimethyl-2,7-octadien-6-ol $$ allo-Ocimen



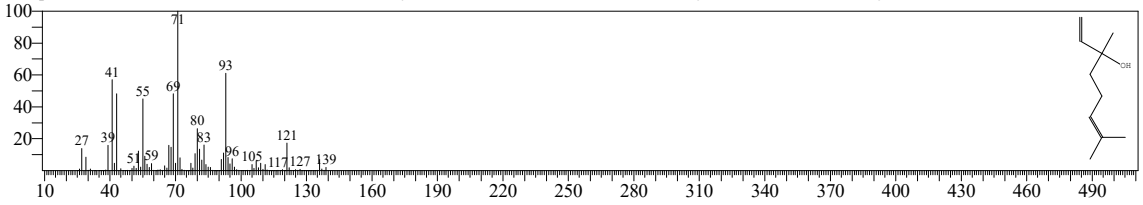
Hit#:2 Entry:11979 Library:NIST17R.lib
SI:94 Formula:C10H18O CAS:78-70-6 MolWeight:154 RetIndex:1082
CompName:Linalool $$ 1,6-Octadien-3-ol, 3,7-dimethyl- $$ .beta.-Linalool $$ Linalol $$ Linalyl alcohol $$ 2,6-Dimethyl-2,7-octadien-6-ol $$ allo-Ocimen



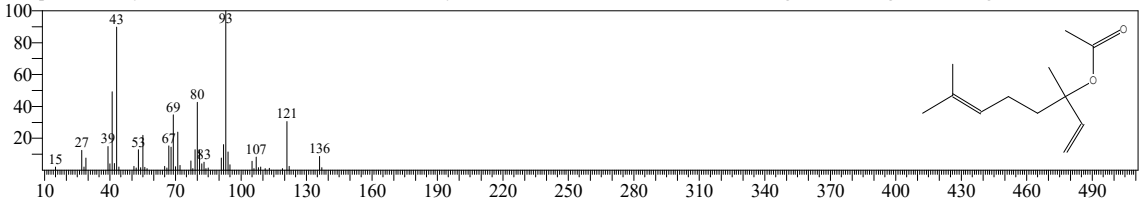
Hit#:3 Entry:11971 Library:NIST17R.lib
SI:94 Formula:C10H18O CAS:78-70-6 MolWeight:154 RetIndex:1082
CompName:Linalool $$ 1,6-Octadien-3-ol, 3,7-dimethyl- $$ .beta.-Linalool $$ Linalol $$ Linalyl alcohol $$ 2,6-Dimethyl-2,7-octadien-6-ol $$ allo-Ocimen



Hit#:4 Entry:11978 Library:NIST17R.lib
SI:94 Formula:C10H18O CAS:78-70-6 MolWeight:154 RetIndex:1082
CompName:Linalool $$ 1,6-Octadien-3-ol, 3,7-dimethyl- $$ .beta.-Linalool $$ Linalol $$ Linalyl alcohol $$ 2,6-Dimethyl-2,7-octadien-6-ol $$ allo-Ocimen

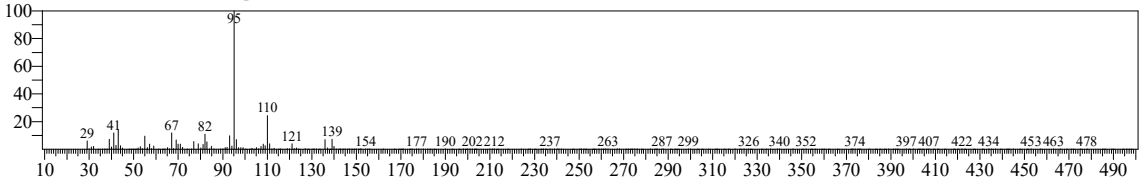


Hit#:5 Entry:20809 Library:NIST17R.lib
SI:88 Formula:C12H20O2 CAS:115-95-7 MolWeight:196 RetIndex:1272
CompName:Linalyl acetate $$ 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate $$ Acetic acid linalool ester $$ Bergamiol $$ Bergamol $$ Bergamot mint oil $$ Lir

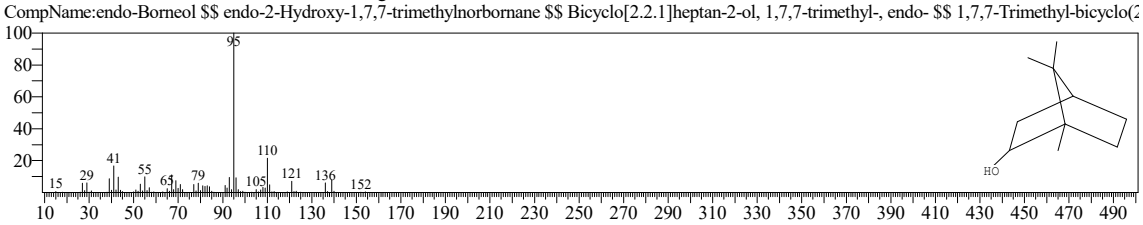


# Qualitative Analysis Report

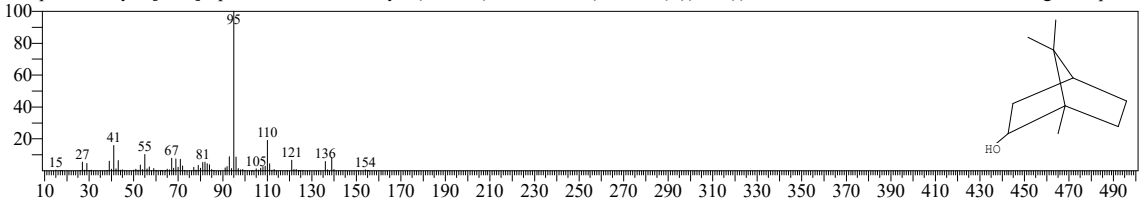
<< Target >>
Line#:6 R.Time:15.740(Scan#:2549) MassPeaks:260
RawMode:Averaged 15.735-15.745(2548-2550) BasePeak:95.10(9937)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



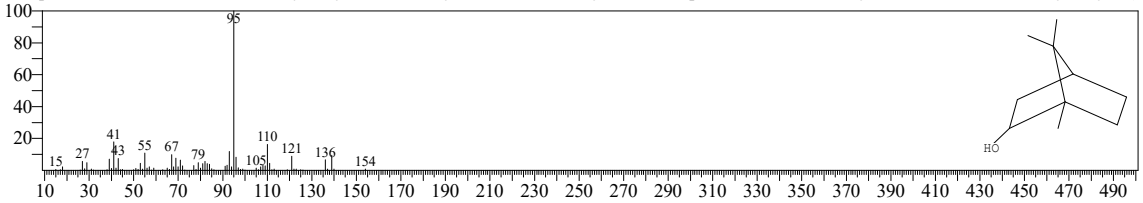
Hit#:1 Entry:18873 Library:NIST17M1.lib
SI:93 Formula:C10H18O CAS:507-70-0 MolWeight:154 RetIndex:1138
CompName:endo-Borneol $$ endo-2-Hydroxy-1,7,7-trimethylnorbornane $$ Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, endo- $$ 1,7,7-Trimethyl-bicyclo(2



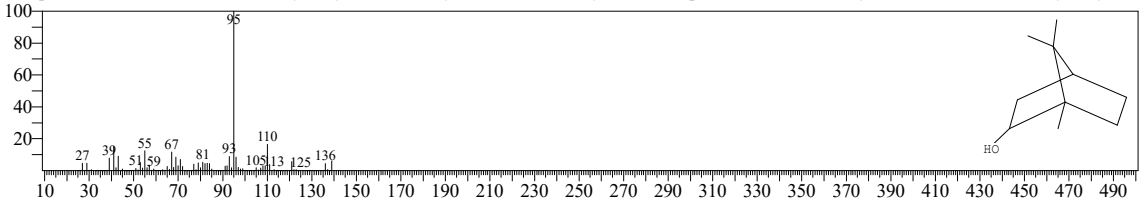
Hit#:2 Entry:18874 Library:NIST17M1.lib
SI:92 Formula:C10H18O CAS:464-45-9 MolWeight:154 RetIndex:1138
CompName:Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, (1S-endo)- $$ Borneol, (1S,2R,4S)-(-)- $$ (-)-Borneol $$ L-Borneol $$ Linderol $$ Ngai camphor



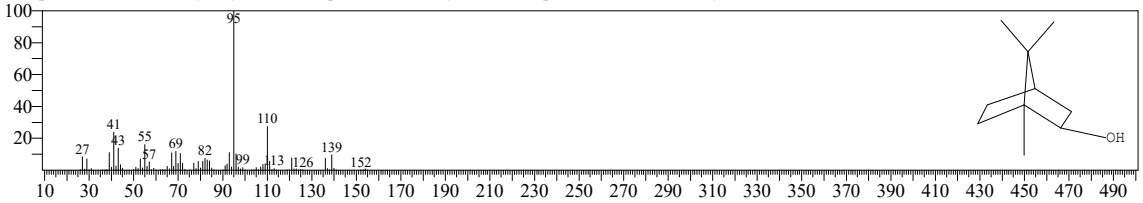
Hit#:3 Entry:12026 Library:NIST17R.lib
SI:91 Formula:C10H18O CAS:507-70-0 MolWeight:154 RetIndex:1138
CompName:endo-Borneol $$ endo-2-Hydroxy-1,7,7-trimethylnorbornane $$ Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, endo- $$ 1,7,7-Trimethyl-bicyclo(2



Hit#:4 Entry:12028 Library:NIST17R.lib
SI:91 Formula:C10H18O CAS:507-70-0 MolWeight:154 RetIndex:1138
CompName:endo-Borneol $$ endo-2-Hydroxy-1,7,7-trimethylnorbornane $$ Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, endo- $$ 1,7,7-Trimethyl-bicyclo(2

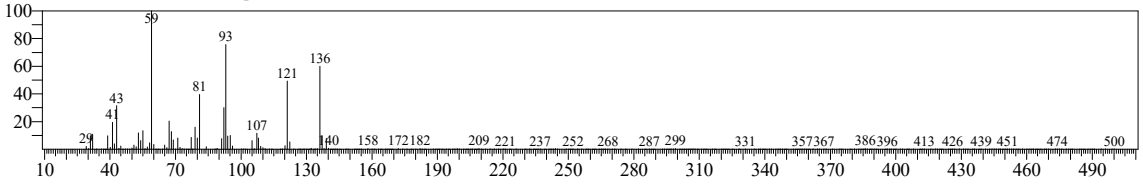


Hit#:5 Entry:18875 Library:NIST17M1.lib
SI:91 Formula:C10H18O CAS:10385-78-1 MolWeight:154 RetIndex:1138
CompName:1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol $$ Bicyclo(2.2.1)heptan-2-ol, 1,7,7-trimethyl-

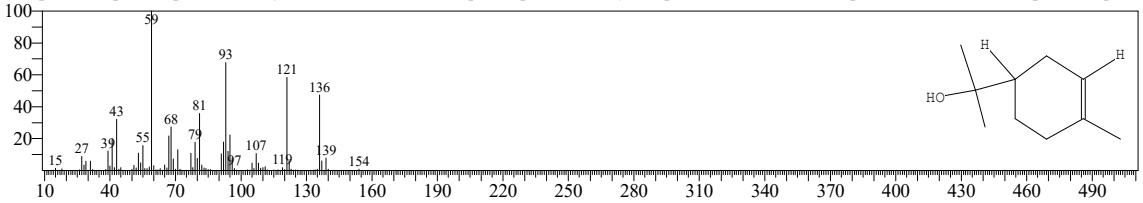


# Qualitative Analysis Report

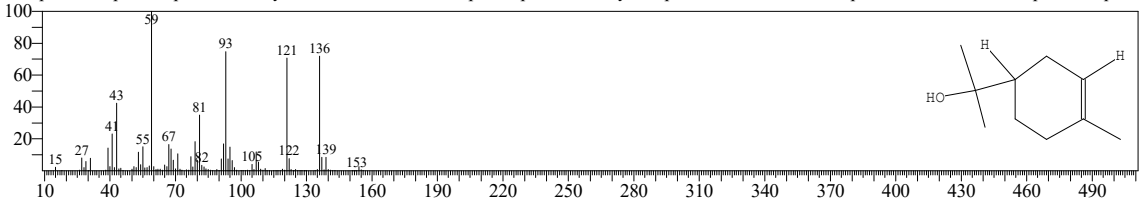
<< Target >>
Line#:7 R.Time:16.390(Scan#:2679) MassPeaks:329
RawMode:Averaged 16.385-16.395(2678-2680) BasePeak:59.05(9280)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



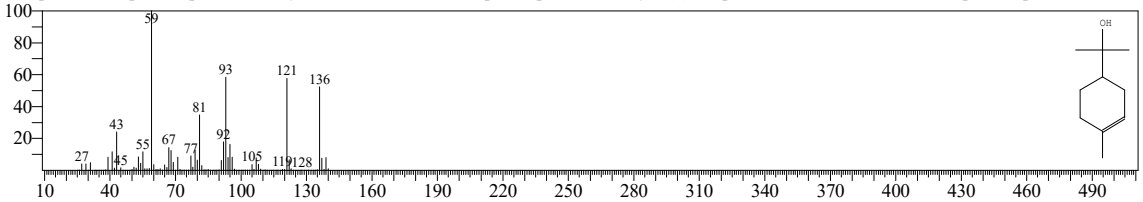
Hit#:1 Entry:11943 Library:NIST17R.lib
SI:93 Formula:C10H18O CAS:98-55-5 MolWeight:154 RetIndex:1143
CompName:.alpha.-Terpineol $$ 3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethyl- $$ p-Menth-1-en-8-ol $$ Terpineol schlechthin $$ Terpineol, .alpha.



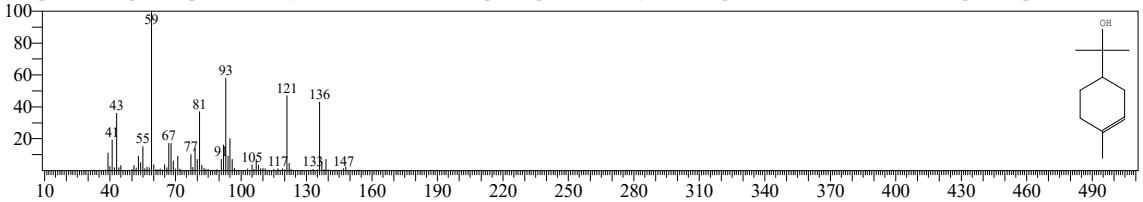
Hit#:2 Entry:11944 Library:NIST17R.lib
SI:93 Formula:C10H18O CAS:98-55-5 MolWeight:154 RetIndex:1143
CompName:.alpha.-Terpineol $$ 3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethyl- $$ p-Menth-1-en-8-ol $$ Terpineol schlechthin $$ Terpineol, .alpha.



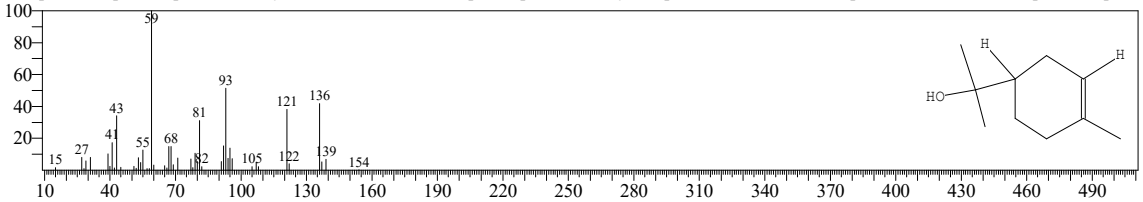
Hit#:3 Entry:18749 Library:NIST17M1.lib
SI:92 Formula:C10H18O CAS:10482-56-1 MolWeight:154 RetIndex:1143
CompName:L-.alpha.-Terpineol $$ 3-Cyclohexene-1-methanol, .alpha.,.alpha.,4-trimethyl-, (S)- $$ p-Menth-1-en-8-ol, (S)-(-)- $$ .alpha.-Terpineol, (-)- $$ (-



Hit#:4 Entry:11942 Library:NIST17R.lib
SI:91 Formula:C10H18O CAS:10482-56-1 MolWeight:154 RetIndex:1143
CompName:L-.alpha.-Terpineol $$ 3-Cyclohexene-1-methanol, .alpha.,.alpha.,4-trimethyl-, (S)- $$ p-Menth-1-en-8-ol, (S)-(-)- $$ .alpha.-Terpineol, (-)- $$ (-

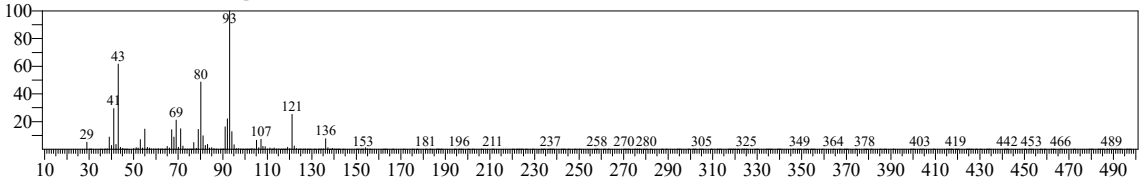


Hit#:5 Entry:11945 Library:NIST17R.lib
SI:91 Formula:C10H18O CAS:98-55-5 MolWeight:154 RetIndex:1143
CompName:.alpha.-Terpineol $$ 3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethyl- $$ p-Menth-1-en-8-ol $$ Terpineol schlechthin $$ Terpineol, .alpha.

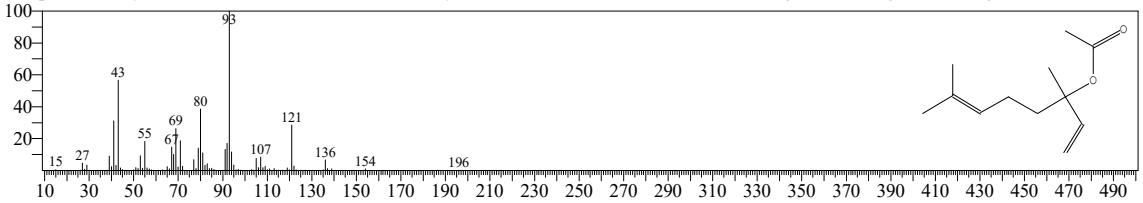


# Qualitative Analysis Report

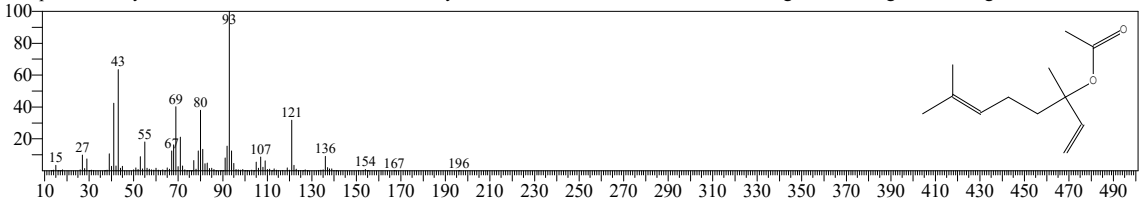
<< Target >>
Line#:8 R.Time:17.810(Scan#:2963) MassPeaks:248
RawMode:Averaged 17.805-17.815(2962-2964) BasePeak:93.05(349965)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



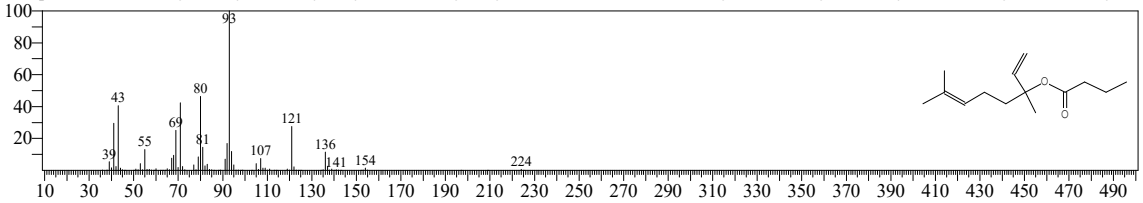
Hit#:1 Entry:46582 Library:NIST17M1.lib
SI:97 Formula:C12H20O2 CAS:115-95-7 MolWeight:196 RetIndex:1272
CompName:Linalyl acetate $$ 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate $$ Acetic acid linalool ester $$ Bergamiol $$ Bergamol $$ Bergamot mint oil $$ Lir



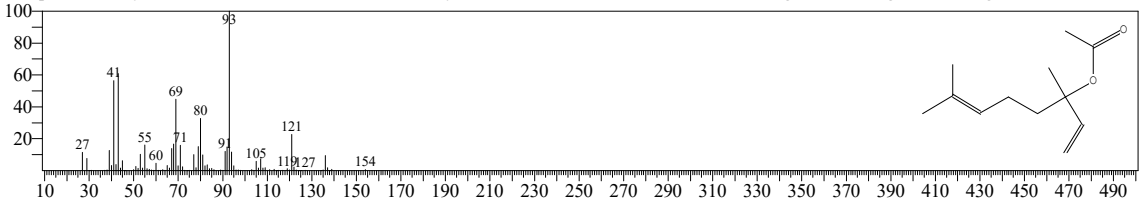
Hit#:2 Entry:20808 Library:NIST17R.lib
SI:93 Formula:C12H20O2 CAS:115-95-7 MolWeight:196 RetIndex:1272
CompName:Linalyl acetate $$ 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate $$ Acetic acid linalool ester $$ Bergamiol $$ Bergamol $$ Bergamot mint oil $$ Lir



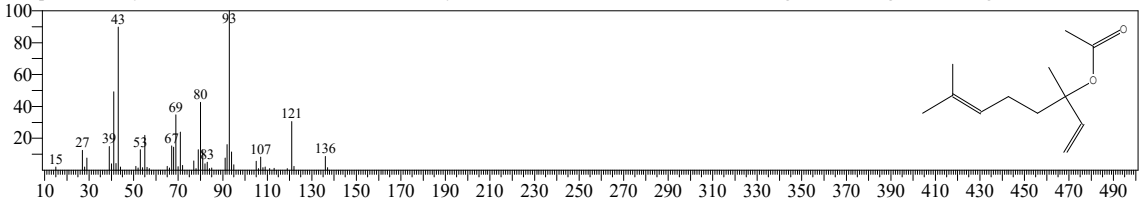
Hit#:3 Entry:25646 Library:NIST17R.lib
SI:93 Formula:C14H24O2 CAS:78-36-4 MolWeight:224 RetIndex:1471
CompName:1,5-Dimethyl-1-vinyl-4-hexenyl butyrate $$ Linalyl butyrate $$ Butanoic acid, 1-ethenyl-1,5-dimethyl-4-hexenyl ester $$ Butyric acid, linalyl es



Hit#:4 Entry:20807 Library:NIST17R.lib
SI:93 Formula:C12H20O2 CAS:115-95-7 MolWeight:196 RetIndex:1272
CompName:Linalyl acetate $$ 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate $$ Acetic acid linalool ester $$ Bergamiol $$ Bergamol $$ Bergamot mint oil $$ Lir

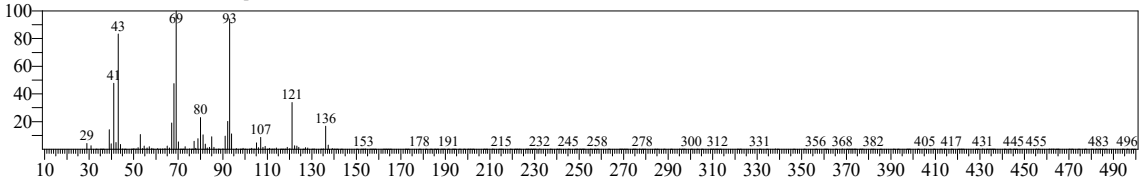


Hit#:5 Entry:20809 Library:NIST17R.lib
SI:93 Formula:C12H20O2 CAS:115-95-7 MolWeight:196 RetIndex:1272
CompName:Linalyl acetate $$ 1,6-Octadien-3-ol, 3,7-dimethyl-, acetate $$ Acetic acid linalool ester $$ Bergamiol $$ Bergamol $$ Bergamot mint oil $$ Lir

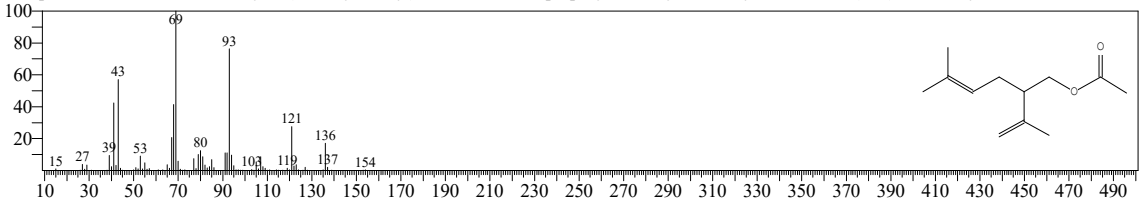


# Qualitative Analysis Report

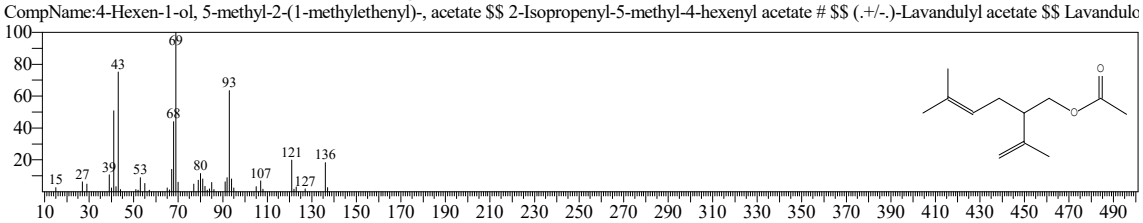
<< Target >>
Line#:9 R.Time:18.690(Scan#:3139) MassPeaks:242
RawMode:Averaged 18.685-18.695(3138-3140) BasePeak:69.05(16715)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



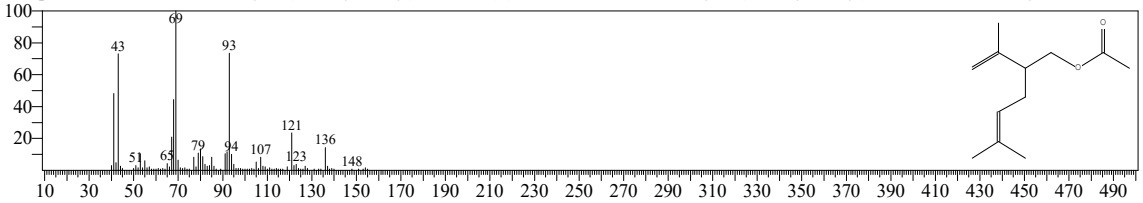
Hit#:1 Entry:46557 Library:NIST17M1.lib
SI:94 Formula:C12H20O2 CAS:25905-14-0 MolWeight:196 RetIndex:1270
CompName:4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, acetate $$ 2-Isopropenyl-5-methyl-4-hexenyl acetate # $$ (.+/-.)-Lavandulyl acetate $$ Lavandulo



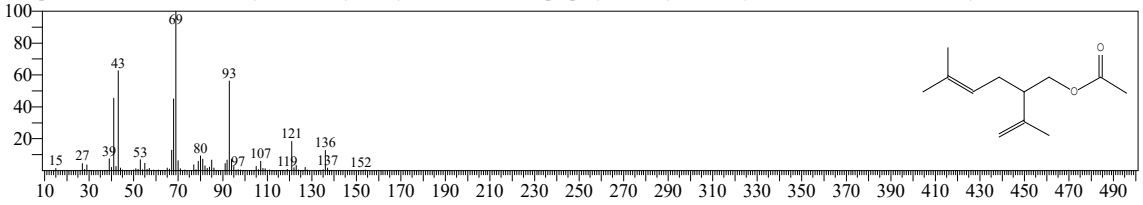
Hit#:2 Entry:20800 Library:NIST17R.lib
SI:93 Formula:C12H20O2 CAS:25905-14-0 MolWeight:196 RetIndex:1270
CompName:4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, acetate $$ 2-Isopropenyl-5-methyl-4-hexenyl acetate # $$ (.+/-.)-Lavandulyl acetate $$ Lavandulo



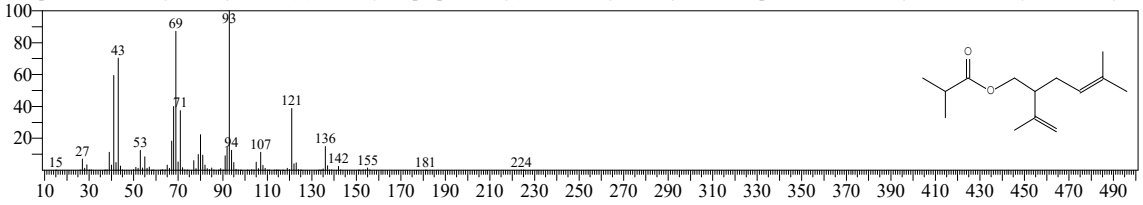
Hit#:3 Entry:46556 Library:NIST17M1.lib
SI:92 Formula:C12H20O2 CAS:20777-39-3 MolWeight:196 RetIndex:1270
CompName:4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, acetate, (R)- $$ 4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, acetate $$ Lavandulyl acetate $$ 5-



Hit#:4 Entry:20799 Library:NIST17R.lib
SI:91 Formula:C12H20O2 CAS:25905-14-0 MolWeight:196 RetIndex:1270
CompName:4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, acetate $$ 2-Isopropenyl-5-methyl-4-hexenyl acetate # $$ (.+/-.)-Lavandulyl acetate $$ Lavandulo

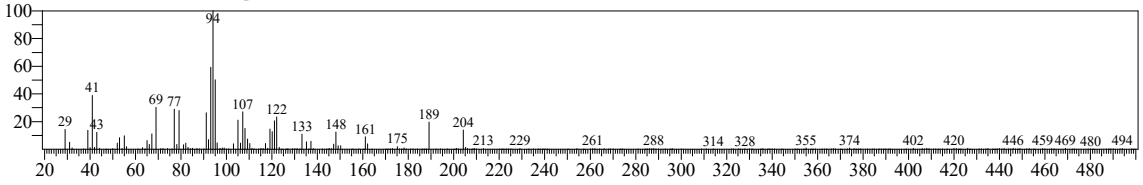


Hit#:5 Entry:25644 Library:NIST17R.lib
SI:91 Formula:C14H24O2 CAS:51117-20-5 MolWeight:224 RetIndex:1404
CompName:Lavandulyl isobutyrate $$ (R)-5-Methyl-2-(prop-1-en-2-yl)hex-4-en-1-yl isobutyrate $$ Propanoic acid, 2-methyl-, (2R)-5-methyl-2-(1-methylet

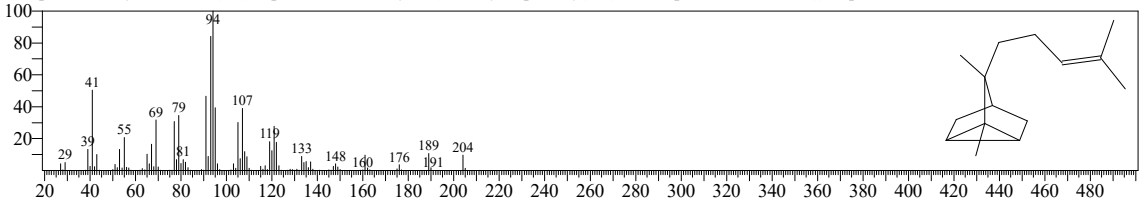


# Qualitative Analysis Report

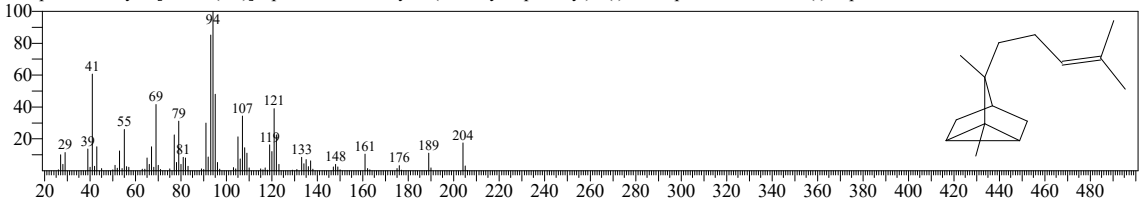
<< Target >>
Line#:10 R.Time:22.180(Scan#:3837) MassPeaks:263
RawMode:Averaged 22.175-22.185(3836-3838) BasePeak:94.05(4531)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



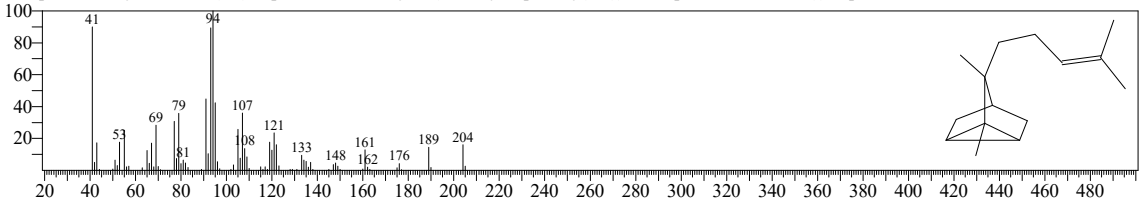
Hit#:1 Entry:22323 Library:NIST17R.lib
SI:90 Formula:C15H24 CAS:512-61-8 MolWeight:204 RetIndex:1211
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7-dimethyl-7-(4-methyl-3-pentenyl)-, (-)- $$ .alpha.-Santalene $$ (-)-.alpha.-Santalene $$ Santalen $$ Santalene



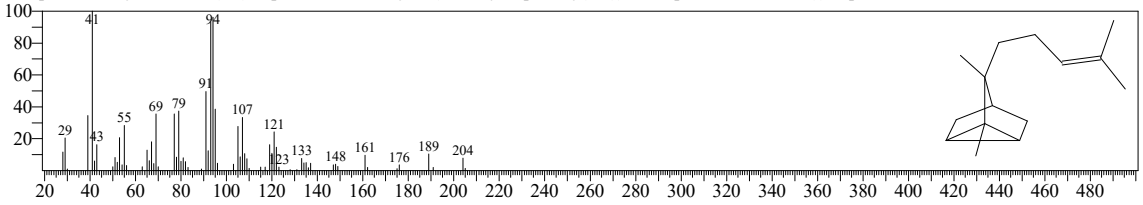
Hit#:2 Entry:52793 Library:NIST17M1.lib
SI:90 Formula:C15H24 CAS:512-61-8 MolWeight:204 RetIndex:1211
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7-dimethyl-7-(4-methyl-3-pentenyl)-, (-)- $$ .alpha.-Santalene $$ (-)-.alpha.-Santalene $$ Santalen $$ Santalene



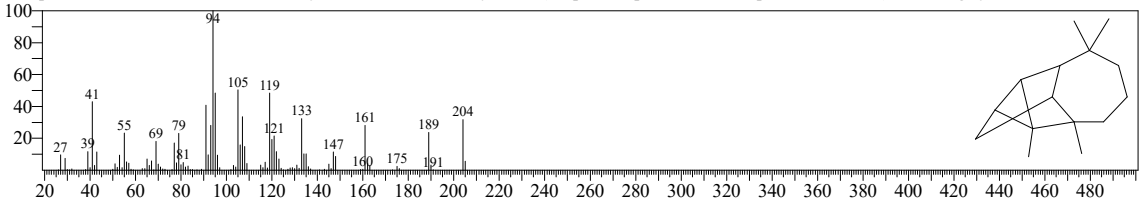
Hit#:3 Entry:22320 Library:NIST17R.lib
SI:88 Formula:C15H24 CAS:512-61-8 MolWeight:204 RetIndex:1211
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7-dimethyl-7-(4-methyl-3-pentenyl)-, (-)- $$ .alpha.-Santalene $$ (-)-.alpha.-Santalene $$ Santalen $$ Santalene



Hit#:4 Entry:22269 Library:NIST17R.lib
SI:87 Formula:C15H24 CAS:512-61-8 MolWeight:204 RetIndex:1211
CompName:Tricyclo[2.2.1.0(2,6)]heptane, 1,7-dimethyl-7-(4-methyl-3-pentenyl)-, (-)- $$ .alpha.-Santalene $$ (-)-.alpha.-Santalene $$ Santalen $$ Santalene

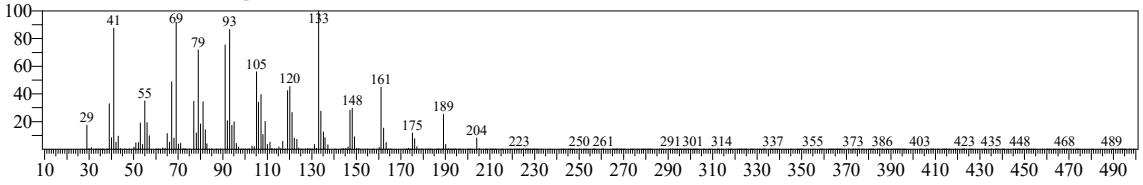


Hit#:5 Entry:22325 Library:NIST17R.lib
SI:85 Formula:C15H24 CAS:1137-12-8 MolWeight:204 RetIndex:1184
CompName:1,2,4-Methenoazulene, decahydro-1,5,5,8a-tetramethyl-, [1S-(1.alpha.,2.alpha.,3a.beta.,4.alpha.,8a.beta.,9R*)]- $$ Longicyclene $$ 1,2,4-Methe

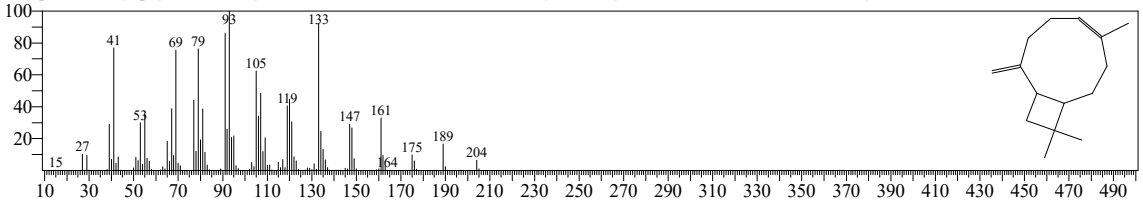


# Qualitative Analysis Report

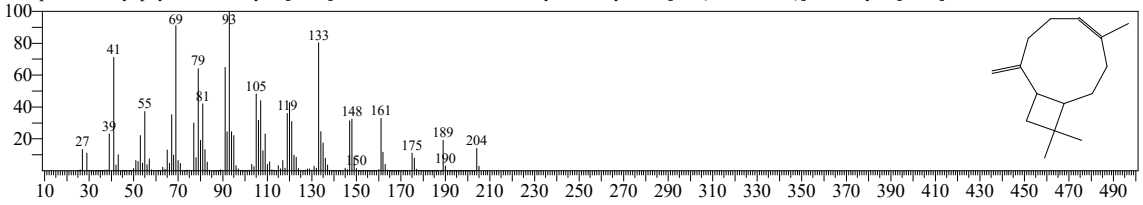
<< Target >>
Line#:11 R.Time:22.255(Scan#:3852) MassPeaks:301
RawMode:Averaged 22.250-22.260(3851-3853) BasePeak:133.05(15592)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



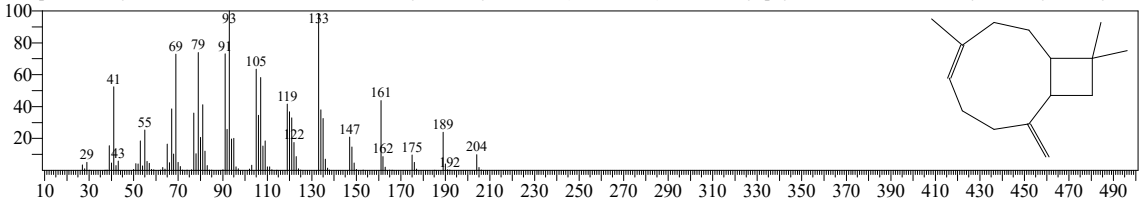
Hit#:1 Entry:52786 Library:NIST17M1.lib
SI:95 Formula:C15H24 CAS:87-44-5 MolWeight:204 RetIndex:1494
CompName:Caryophyllene $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, [1R-(1R*,4E,9S*)]- $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trime



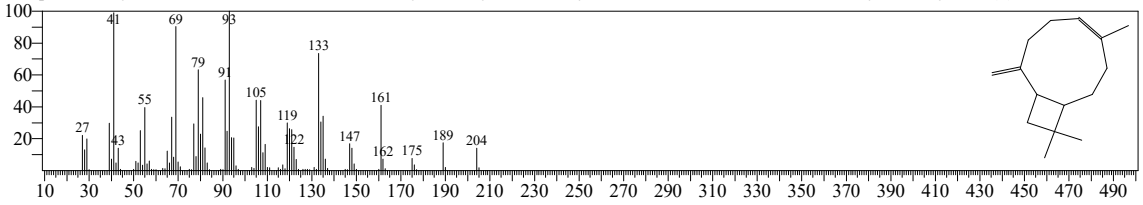
Hit#:2 Entry:22309 Library:NIST17R.lib
SI:94 Formula:C15H24 CAS:87-44-5 MolWeight:204 RetIndex:1494
CompName:Caryophyllene $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, [1R-(1R*,4E,9S*)]- $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trime



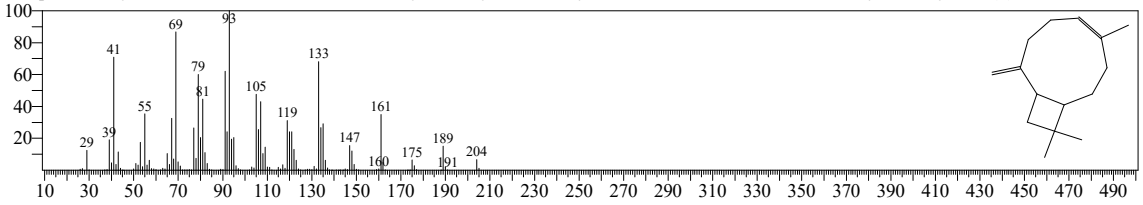
Hit#:3 Entry:22319 Library:NIST17R.lib
SI:94 Formula:C15H24 CAS:118-65-0 MolWeight:204 RetIndex:1494
CompName:Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-,[1R-(1R*,4Z,9S*)]- $$ Isocaryophyllene $$ 4,11,11-Trimethyl-8-methylenebicyclo[



Hit#:4 Entry:52766 Library:NIST17M1.lib
SI:92 Formula:C15H24 CAS:13877-93-5 MolWeight:204 RetIndex:1494
CompName:Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene- $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (Z)- $$ cis-4,11,11-T

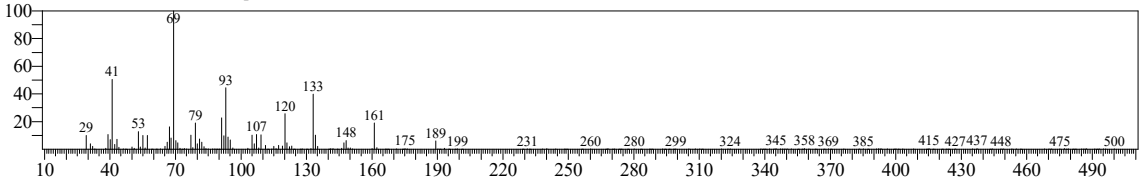


Hit#:5 Entry:22308 Library:NIST17R.lib
SI:92 Formula:C15H24 CAS:13877-93-5 MolWeight:204 RetIndex:1494
CompName:Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene- $$ Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (Z)- $$ cis-4,11,11-T

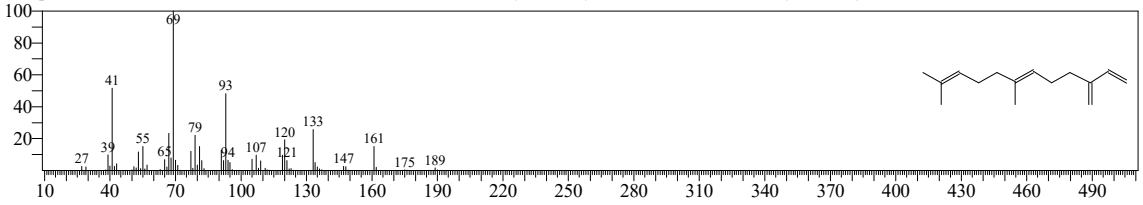


# Qualitative Analysis Report

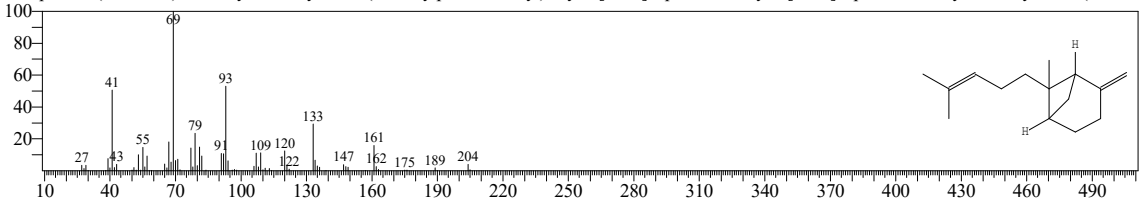
<< Target >>
Line#:12 R.Time:22.990(Scan#:3999) MassPeaks:204
RawMode:Averaged 22.985-22.995(3998-4000) BasePeak:69.10(5941)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



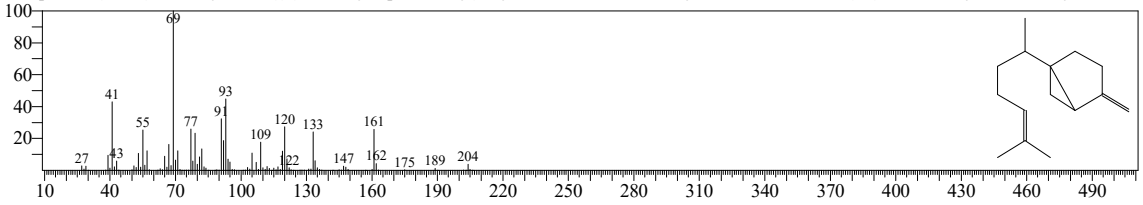
Hit#:1 Entry:22283 Library:NIST17R.lib
SI:91 Formula:C15H24 CAS:18794-84-8 MolWeight:204 RetIndex:1440
CompName:(E)-.beta.-Famesene $$ 1,6,10-Dodecatriene, 7,11-dimethyl-3-methylene-, (E)- $$ 7,11-Dimethyl-3-methylene-1,6,10-dodecatriene, trans $$ (6E



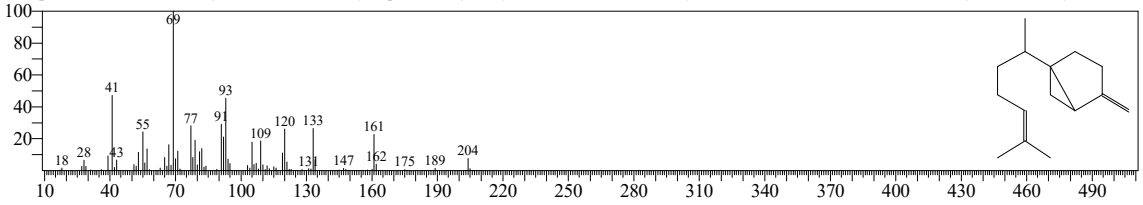
Hit#:2 Entry:52741 Library:NIST17M1.lib
SI:89 Formula:C15H24 CAS:15438-94-5 MolWeight:204 RetIndex:1425
CompName:(1S,5S,6R)-6-Methyl-2-methylene-6-(4-methylpent-3-en-1-yl)bicyclo[3.1.1]heptane $$ Bicyclo[3.1.1]heptane, 6-methyl-2-methylene-6-(4-meth



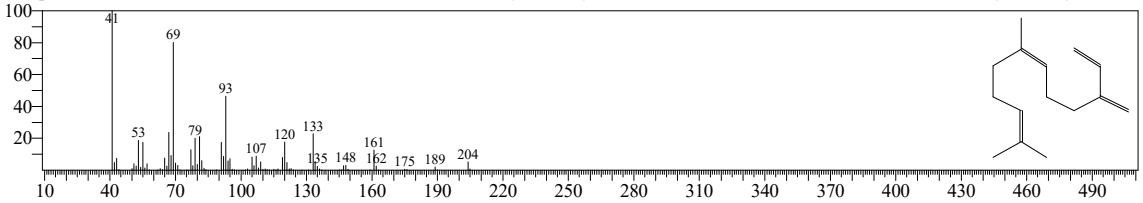
Hit#:3 Entry:52742 Library:NIST17M1.lib
SI:88 Formula:C15H24 CAS:58319-04-3 MolWeight:204 RetIndex:1379
CompName:(1S,5S)-4-Methylene-1-((R)-6-methylhept-5-en-2-yl)bicyclo[3.1.0]hexane $$ Bicyclo[3.1.0]hexane, 1-[(1R)-1,5-dimethyl-4-hexen-1-yl]-4-meth



Hit#:4 Entry:22285 Library:NIST17R.lib
SI:86 Formula:C15H24 CAS:58319-04-3 MolWeight:204 RetIndex:1379
CompName:(1S,5S)-4-Methylene-1-((R)-6-methylhept-5-en-2-yl)bicyclo[3.1.0]hexane $$ Bicyclo[3.1.0]hexane, 1-[(1R)-1,5-dimethyl-4-hexen-1-yl]-4-meth

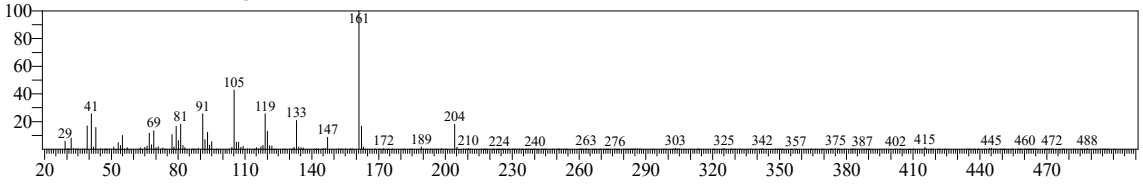


Hit#:5 Entry:52716 Library:NIST17M1.lib
SI:86 Formula:C15H24 CAS:28973-97-9 MolWeight:204 RetIndex:1440
CompName:cis-.beta.-Farnesene $$ 1,6,10-Dodecatriene, 7,11-dimethyl-3-methylene-, (Z)- $$ (Z)-.beta.-Farnesene $$ (6Z)-7,11-Dimethyl-3-methylene-1,6,

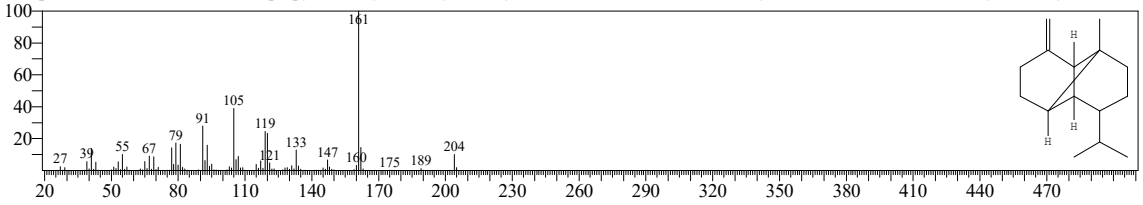


# Qualitative Analysis Report

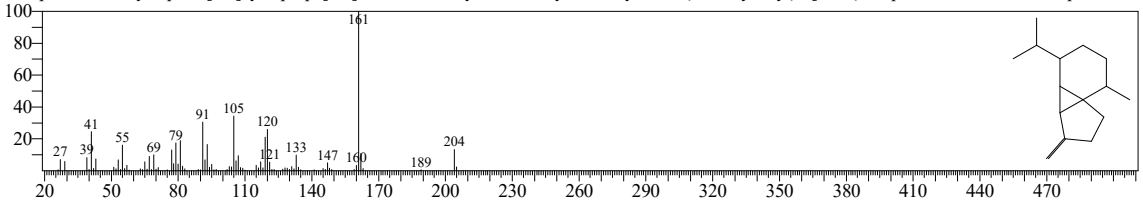
<< Target >>
Line#:13 R.Time:23.630(Scan#:4127) MassPeaks:247
RawMode:Averaged 23.625-23.635(4126-4128) BasePeak:161.20(5766)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



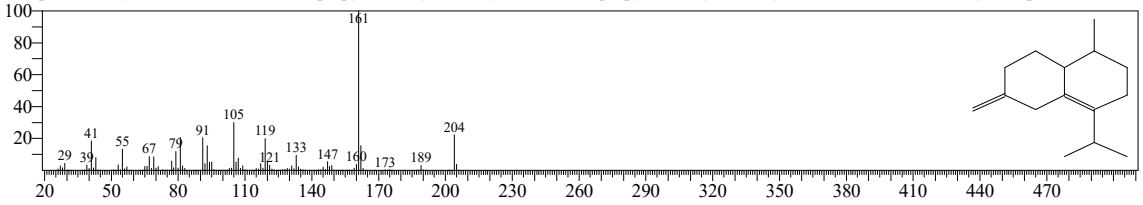
Hit#:1 Entry:52920 Library:NIST17M1.lib
SI:89 Formula:C15H24 CAS:18252-44-3 MolWeight:204 RetIndex:1216
CompName:(1R,2S,6S,7S,8S)-8-Isopropyl-1-methyl-3-methylenetricyclo[4.4.0.02,7]decane-rel- $$ Tricyclo[4.4.0.02,7]decane, 1-methyl-3-methylene-8-(1-



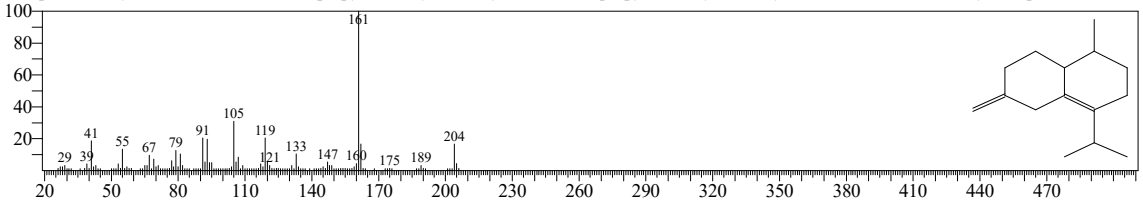
Hit#:2 Entry:52916 Library:NIST17M1.lib
SI:89 Formula:C15H24 CAS:13744-15-5 MolWeight:204 RetIndex:1339
CompName:1H-Cyclopenta[1,3]cyclopropa[1,2]benzene, octahydro-7-methyl-3-methylene-4-(1-methylethyl)-, [3aS-(3a.alpha.,3b.beta.,4.beta.,7.alpha.,7aS*



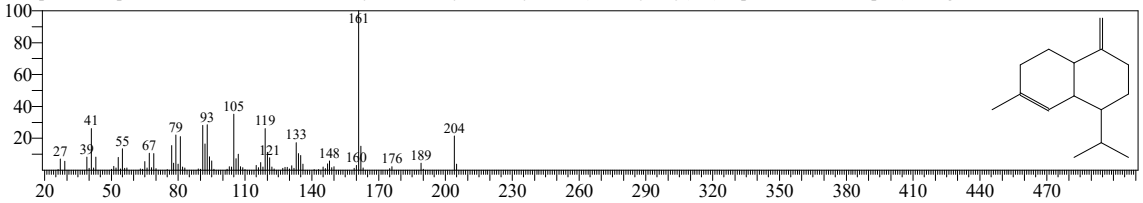
Hit#:3 Entry:52931 Library:NIST17M1.lib
SI:88 Formula:C15H24 CAS:150320-52-8 MolWeight:204 RetIndex:1464
CompName:Bicyclo[4.4.0]dec-1-ene, 2-isopropyl-5-methyl-9-methylene- $$ 8-Isopropyl-5-methyl-2-methylene-1,2,3,4,4a,5,6,7-octahydronaphthalene # $$



Hit#:4 Entry:22420 Library:NIST17R.lib
SI:88 Formula:C15H24 CAS:150320-52-8 MolWeight:204 RetIndex:1464
CompName:Bicyclo[4.4.0]dec-1-ene, 2-isopropyl-5-methyl-9-methylene- $$ 8-Isopropyl-5-methyl-2-methylene-1,2,3,4,4a,5,6,7-octahydronaphthalene # $$

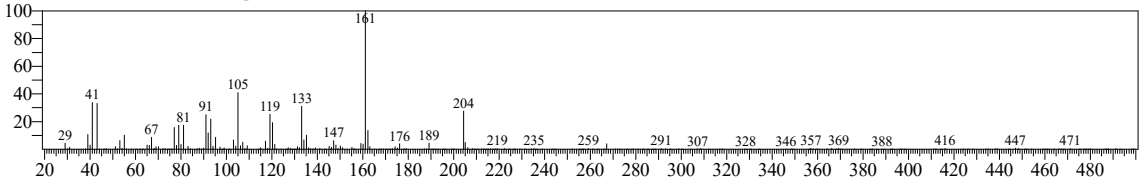


Hit#:5 Entry:22423 Library:NIST17R.lib
SI:88 Formula:C15H24 CAS:39029-41-9 MolWeight:204 RetIndex:1435
CompName:Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.beta.,8a.alpha.)- $$ .gamma.-Cadinene $$ 1-Isc

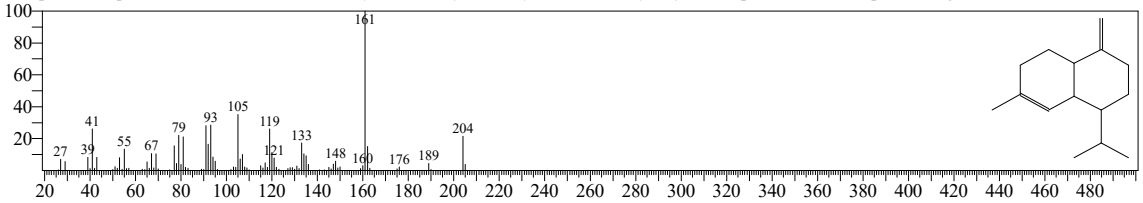


# Qualitative Analysis Report

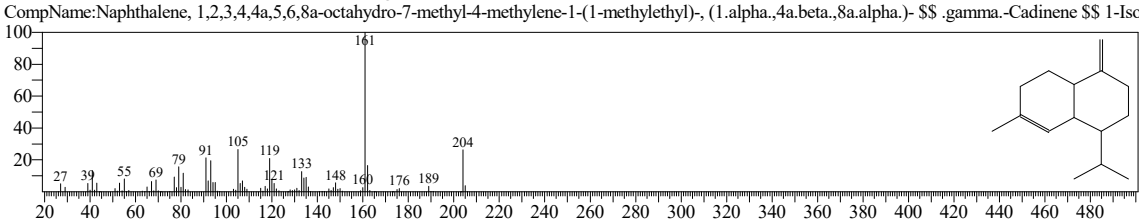
<< Target >>
Line#:14 R.Time:24.085(Scan#:4218) MassPeaks:245
RawMode:Averaged 24.080-24.090(4217-4219) BasePeak:161.05(5468)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



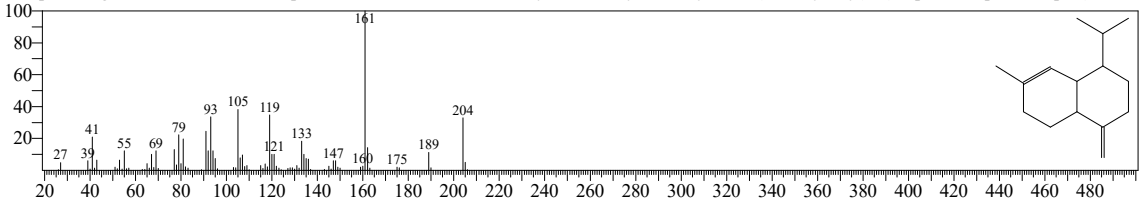
Hit#:1 Entry:22423 Library:NIST17R.lib
SI:90 Formula:C15H24 CAS:39029-41-9 MolWeight:204 RetIndex:1435
CompName:Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.beta.,8a.alpha.)- $$ .gamma.-Cadinene $$ 1-Isc



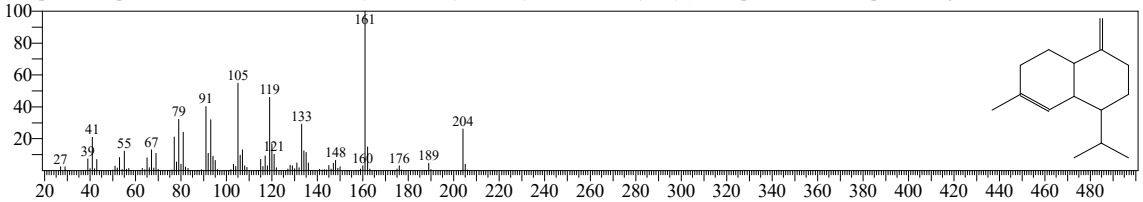
Hit#:2 Entry:52932 Library:NIST17M1.lib
SI:88 Formula:C15H24 CAS:39029-41-9 MolWeight:204 RetIndex:1435
CompName:Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.beta.,8a.alpha.)- $$ .gamma.-Cadinene $$ 1-Isc



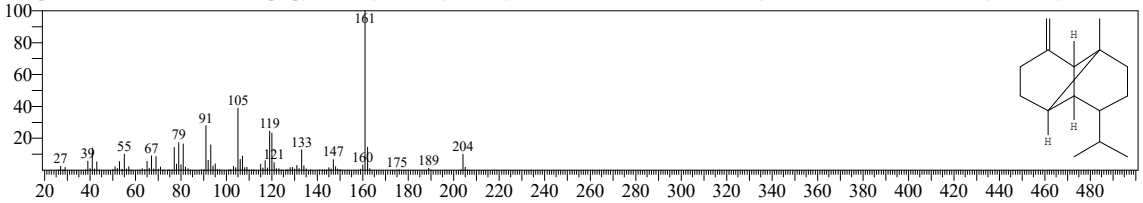
Hit#:3 Entry:52924 Library:NIST17M1.lib
SI:87 Formula:C15H24 CAS:30021-74-0 MolWeight:204 RetIndex:1435
CompName:.gamma.-Muurolene $$ Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.alpha.,8a.alpha.)- $$ 1-



Hit#:4 Entry:22428 Library:NIST17R.lib
SI:87 Formula:C15H24 CAS:39029-41-9 MolWeight:204 RetIndex:1435
CompName:Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.beta.,8a.alpha.)- $$ .gamma.-Cadinene $$ 1-Isc

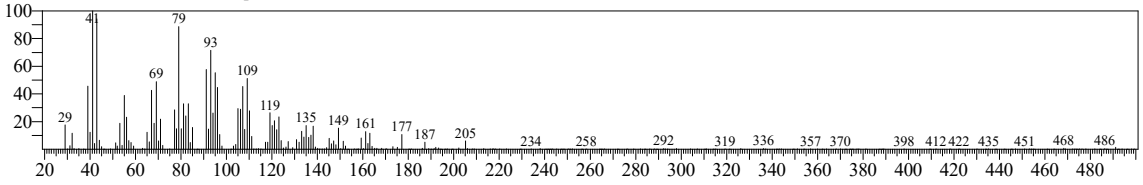


Hit#:5 Entry:52920 Library:NIST17M1.lib
SI:87 Formula:C15H24 CAS:18252-44-3 MolWeight:204 RetIndex:1216
CompName:(1R,2S,6S,7S,8S)-8-Isopropyl-1-methyl-3-methylenetricyclo[4.4.0.02,7]decane-rel- $$ Tricyclo[4.4.0.02,7]decane, 1-methyl-3-methylene-8-(1-

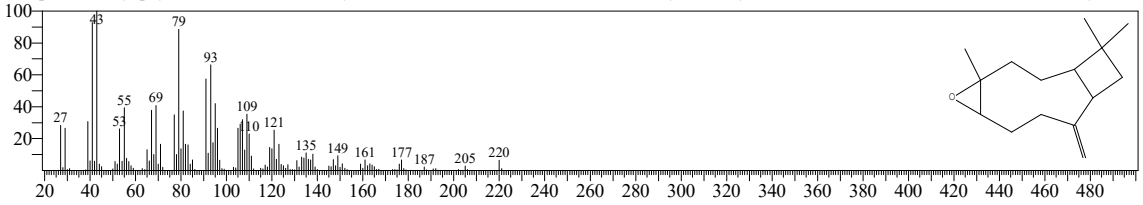


# Qualitative Analysis Report

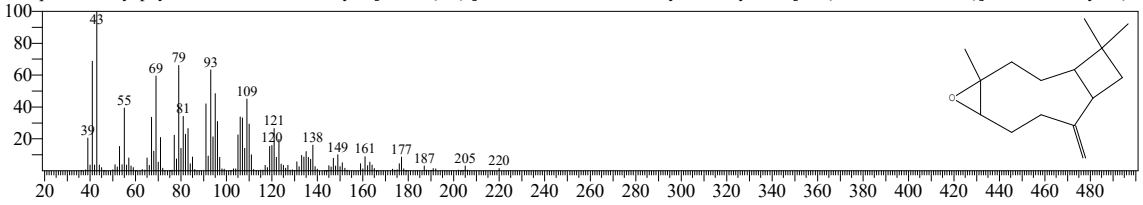
<< Target >>
Line#:15 R.Time:24.880(Scan#:4377) MassPeaks:241
RawMode:Averaged 24.875-24.885(4376-4378) BasePeak:41.10(5920)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



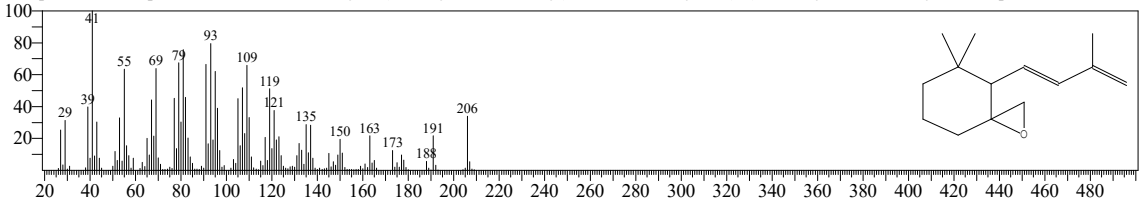
Hit#:1 Entry:66606 Library:NIST17M1.lib
SI:93 Formula:C15H24O CAS:1139-30-6 MolWeight:220 RetIndex:1507
CompName:Caryophyllene oxide $$ 5-Oxatricyclo[8.2.0.0(4,6)-]dodecane, 4,12,12-trimethyl-9-methylene-, [1R-(1R*,4R*,6R*,10S*)]- $$ 5-Oxatricyclo(8.



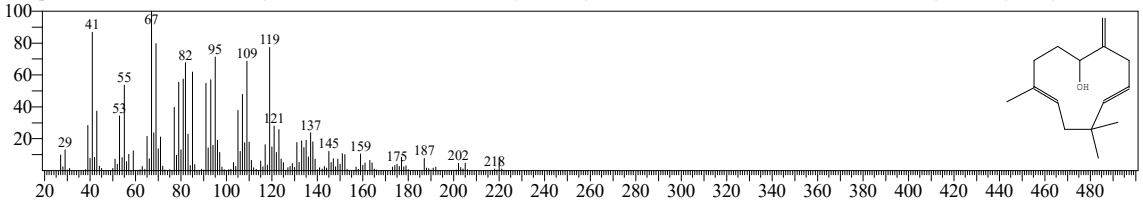
Hit#:2 Entry:24969 Library:NIST17R.lib
SI:90 Formula:C15H24O CAS:1139-30-6 MolWeight:220 RetIndex:1507
CompName:Caryophyllene oxide $$ 5-Oxatricyclo[8.2.0.0(4,6)-]dodecane, 4,12,12-trimethyl-9-methylene-, [1R-(1R*,4R*,6R*,10S*)]- $$ 5-Oxatricyclo(8.



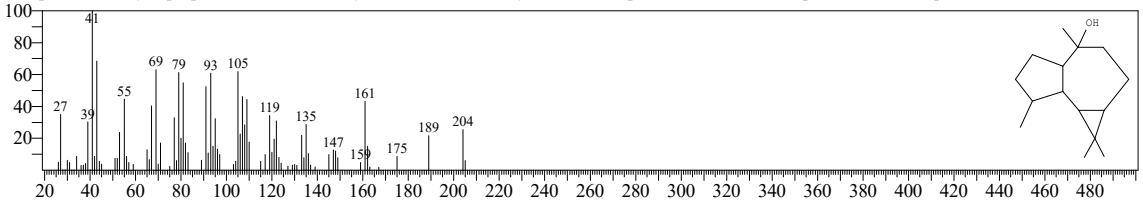
Hit#:3 Entry:54486 Library:NIST17M1.lib
SI:83 Formula:C14H22O CAS:0-00-0 MolWeight:206 RetIndex:1431
CompName:1-Oxaspiro[2.5]octane, 5,5-dimethyl-4-(3-methyl-1,3-butadienyl)- $$ 5,5-Dimethyl-4-[(1E)-3-methyl-1,3-butadienyl]-1-oxaspiro[2.5]octane #



Hit#:4 Entry:66617 Library:NIST17M1.lib
SI:82 Formula:C15H24O CAS:19888-00-7 MolWeight:220 RetIndex:1762
CompName:Humulenol-II $$ 4,8-Cycloundecadien-1-ol, 6,6,9-trimethyl-2-methylene-, (1R,4E,8E)- $$ (R,4E,8E)-6,6,9-Trimethyl-2-methylenecycloundeca-

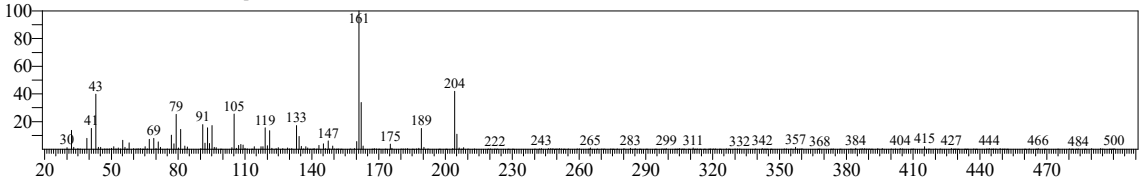


Hit#:5 Entry:25317 Library:NIST17R.lib
SI:82 Formula:C15H26O CAS:552-02-3 MolWeight:222 RetIndex:1530
CompName:1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, [1aR-(1a.alpha.,4.beta.,4a.beta.,7.alpha.,7a.beta.,7b.alpha.)]- $$ Viridiflorol $$ 1,1

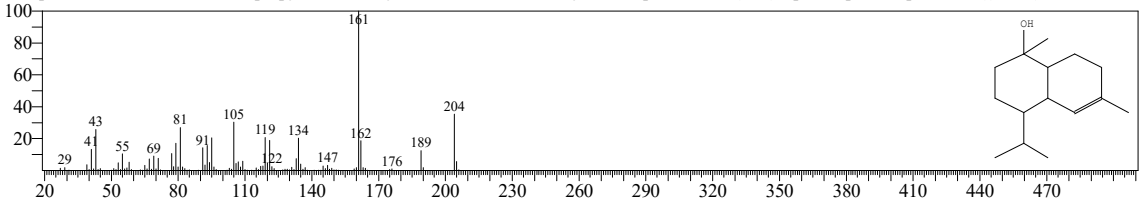


# Qualitative Analysis Report

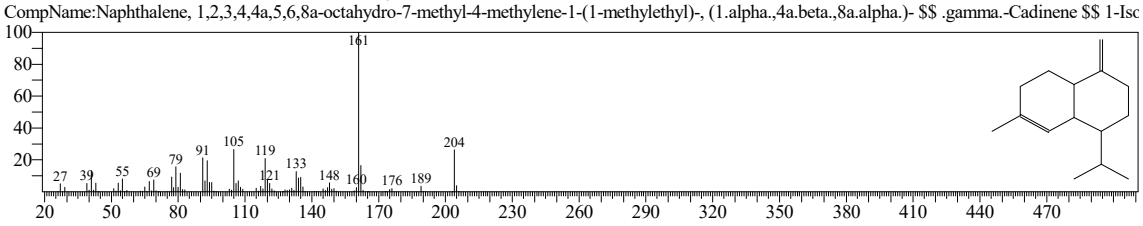
<< Target >>
Line#:16 R.Time:25.355(Scan#:4472) MassPeaks:255
RawMode:Averaged 25.350-25.360(4471-4473) BasePeak:161.15(5396)
BG Mode:Calc. from Peak Group 1 - Event 1 Q3 Scan



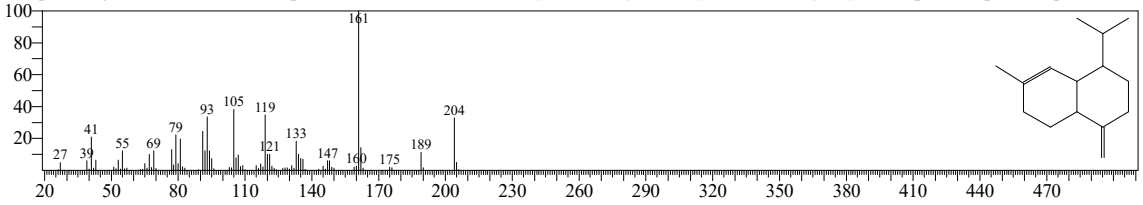
Hit#:1 Entry:25400 Library:NIST17R.lib
SI:88 Formula:C15H26O CAS:5937-11-1 MolWeight:222 RetIndex:1580
CompName:.tau.-Cadinol $$ 4-Isopropyl-1,6-dimethyl-1,2,3,4,4a,7,8,8a-octahydro-1-naphthalenol-, (1S-(1alpha,4alpha,4aalpha,8abeta))- $$ (1S,4S,4aR,8al



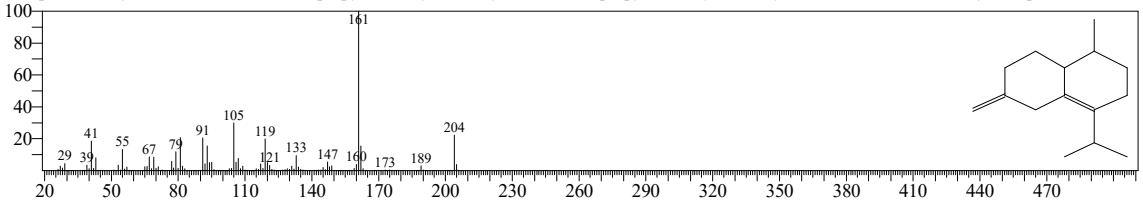
Hit#:2 Entry:52932 Library:NIST17M1.lib
SI:83 Formula:C15H24 CAS:39029-41-9 MolWeight:204 RetIndex:1435
CompName:Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.beta.,8a.alpha.)- $$ .gamma.-Cadinene $$ 1-Isc



Hit#:3 Entry:52924 Library:NIST17M1.lib
SI:83 Formula:C15H24 CAS:30021-74-0 MolWeight:204 RetIndex:1435
CompName:.gamma.-Muurolene $$ Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-7-methyl-4-methylene-1-(1-methylethyl)-, (1.alpha.,4a.alpha.,8a.alpha.)- $$ 1-



Hit#:4 Entry:52931 Library:NIST17M1.lib
SI:83 Formula:C15H24 CAS:150320-52-8 MolWeight:204 RetIndex:1464
CompName:Bicyclo[4.4.0]dec-1-ene, 2-isopropyl-5-methyl-9-methylene- $$ 8-Isopropyl-5-methyl-2-methylene-1,2,3,4,4a,5,6,7-octahydronaphthalene # $$



Hit#:5 Entry:107618 Library:NIST17M1.lib
SI:83 Formula:C17H28O2 CAS:149197-48-8 MolWeight:264 RetIndex:1770
CompName:Tau-Cadinol acetate $$ 1-Naphthalenol, 1,2,3,4,4a,7,8,8a-octahydro-1,6-dimethyl-4-(1-methylethyl)-, 1-acetate, (1S,4S,4aR,8aR)- $$ 1-Naphtha

