

4121-032216

Instrument 6890

C:\HPCHEM\2\DATA\2016\
41210000.D

Lavender Spike

HP-5 5% Phenyl Methyl Siloxane

4121-032216

30.000m

Spain

250.000um

lavandula latifolia

0.250um

200uL Sample (.23g)

200uL Hexane (.15g)

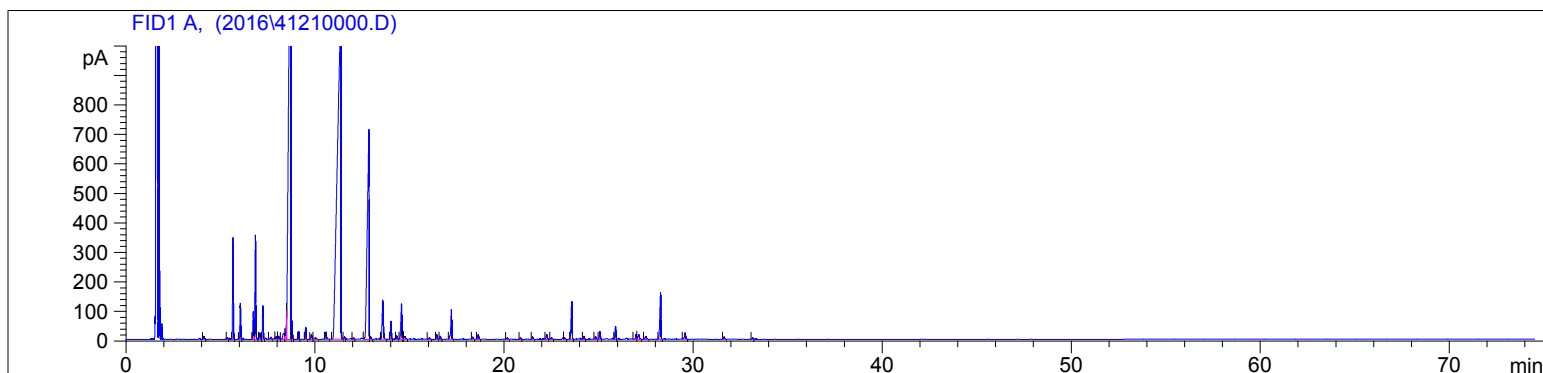
0.2uL injection

3/23/2016 2:40:21 PM

4/21/2017

3/23/2016 2:40:21 PM

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| # | Compound Name | Meas. Ret. | Amount | Response | Height | Area | Area % |
|----|--------------------------|------------|--------|----------|---------|----------|--------|
| 1 | | 4.11 | 0.00 | 33.11 | 9.93 | 33.11 | 0.08 |
| 2 | | 5.36 | 0.00 | 18.19 | 6.60 | 18.19 | 0.05 |
| 3 | alpha pinene | 5.66 | 100.00 | 922.26 | 343.89 | 922.26 | 2.36 |
| 4 | camphene | 6.04 | 100.00 | 339.63 | 122.34 | 339.63 | 0.87 |
| 5 | sabinene | 6.73 | 100.00 | 291.55 | 94.09 | 291.55 | 0.75 |
| 6 | beta pinene | 6.84 | 100.00 | 1019.98 | 353.01 | 1019.98 | 2.61 |
| 7 | 3-octanone | 7.07 | 100.00 | 67.45 | 21.17 | 67.45 | 0.17 |
| 8 | myrcene | 7.24 | 100.00 | 334.84 | 113.66 | 334.84 | 0.86 |
| 9 | | 7.65 | 0.00 | 30.18 | 7.05 | 30.18 | 0.08 |
| 10 | | 7.94 | 0.00 | 42.31 | 9.57 | 42.31 | 0.11 |
| 11 | | 8.06 | 0.00 | 41.63 | 10.58 | 41.63 | 0.11 |
| 12 | beta phellandrene | 8.35 | 100.00 | 149.51 | 20.70 | 149.51 | 0.38 |
| 13 | d-limonene | 8.50 | 100.00 | 210.83 | 98.64 | 210.83 | 0.54 |
| 14 | 1.8 cineol | 8.70 | 100.00 | 11717.97 | 1681.87 | 11717.97 | 30.03 |
| 15 | cis beta ocimene | 8.79 | 100.00 | 144.64 | 62.31 | 144.64 | 0.37 |
| 16 | trans beta ocimene | 9.13 | 100.00 | 66.55 | 26.80 | 66.55 | 0.17 |
| 17 | gamma terpinene | 9.50 | 0.00 | 107.28 | 40.64 | 107.28 | 0.27 |
| 18 | cis-sabinene hydrate | 9.80 | 0.00 | 65.52 | 15.30 | 65.52 | 0.17 |
| 19 | cis-linalool oxide | 10.00 | 100.00 | 32.10 | 5.10 | 32.10 | 0.08 |
| 20 | terpinolene | 10.57 | 100.00 | 92.45 | 24.90 | 92.45 | 0.24 |
| 21 | linalool | 11.37 | 100.00 | 14790.36 | 1183.85 | 14790.36 | 37.90 |
| 22 | beta phenylethyl alcohol | 11.56 | 100.00 | 22.61 | 8.17 | 22.61 | 0.06 |
| 23 | | 12.03 | 0.00 | 19.88 | 5.66 | 19.88 | 0.05 |
| 24 | camphor | 12.84 | 100.00 | 4673.03 | 709.01 | 4673.03 | 11.98 |
| 25 | | 12.93 | 0.00 | 30.24 | 9.09 | 30.24 | 0.08 |
| 26 | lavandulol | 13.58 | 100.00 | 576.44 | 132.42 | 576.44 | 1.48 |
| 27 | terpin-4-ol | 14.02 | 100.00 | 189.59 | 60.79 | 189.59 | 0.49 |
| 28 | | 14.31 | 0.00 | 37.56 | 11.56 | 37.56 | 0.10 |
| 29 | alpha terpineol | 14.57 | 100.00 | 425.30 | 119.23 | 425.30 | 1.09 |
| 30 | | 14.65 | 0.00 | 36.91 | 13.36 | 36.91 | 0.09 |
| 31 | | 14.73 | 0.00 | 47.01 | 9.44 | 47.01 | 0.12 |
| 32 | | 16.04 | 0.00 | 24.46 | 5.47 | 24.46 | 0.06 |
| 33 | nerol | 16.43 | 100.00 | 44.64 | 15.11 | 44.64 | 0.11 |
| 34 | | 16.62 | 0.00 | 32.02 | 10.13 | 32.02 | 0.08 |
| 35 | linalyl acetate | 17.21 | 100.00 | 363.01 | 99.90 | 363.01 | 0.93 |
| 36 | bornyl acetate | 18.33 | 100.00 | 25.11 | 7.78 | 25.11 | 0.06 |

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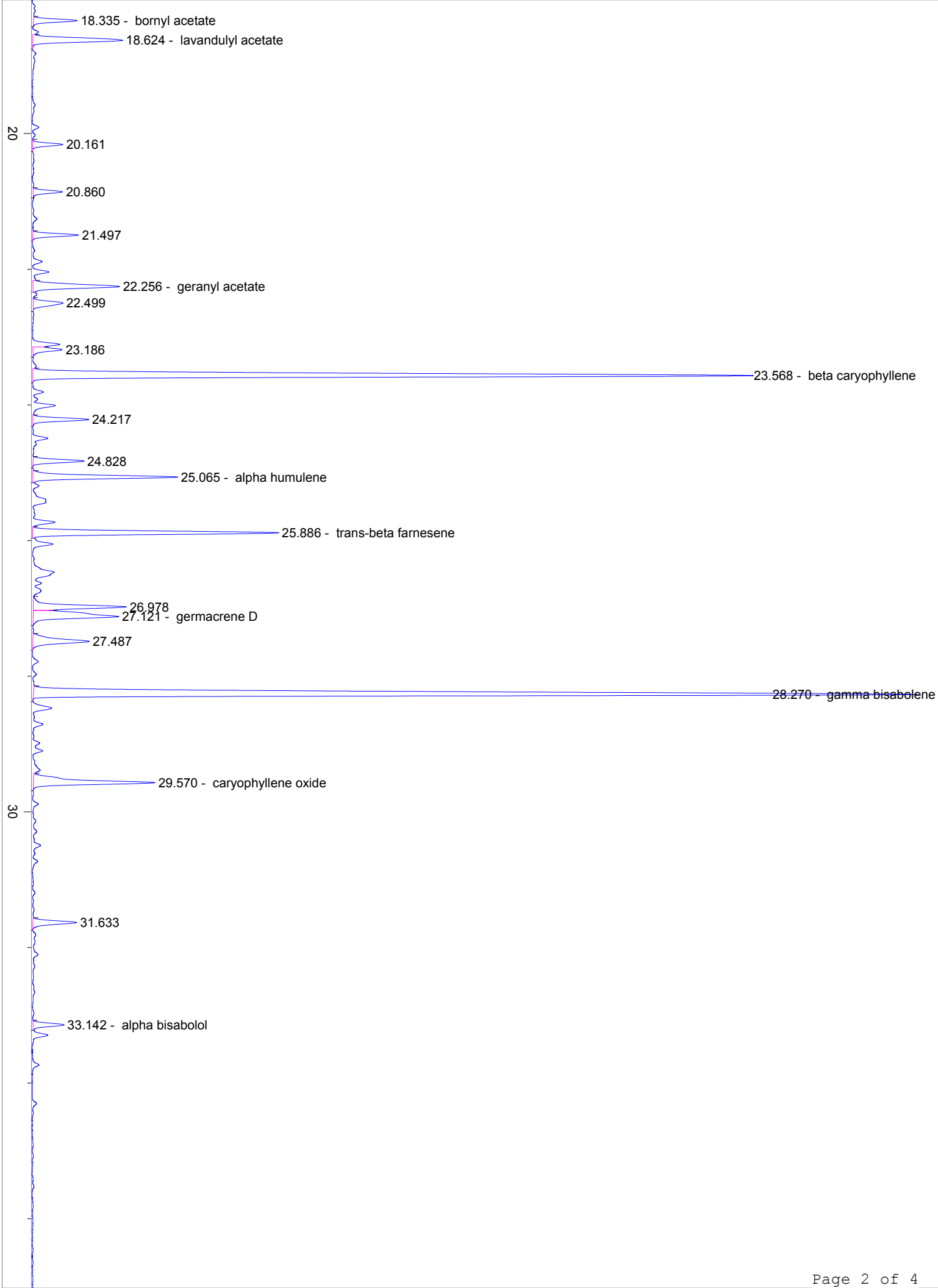
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| # | Compound Name | Meas. Ret. | Amount | Response | Height | Area | Area % |
|----|----------------------|------------|--------|----------|--------|--------|--------|
| 37 | lavandulyl acetate | 18.62 | 100.00 | 68.33 | 15.98 | 68.33 | 0.18 |
| 38 | | 20.16 | 0.00 | 17.06 | 5.39 | 17.06 | 0.04 |
| 39 | | 20.86 | 0.00 | 16.72 | 5.23 | 16.72 | 0.04 |
| 40 | | 21.50 | 0.00 | 25.41 | 8.13 | 25.41 | 0.07 |
| 41 | geranyl acetate | 22.26 | 100.00 | 64.98 | 15.44 | 64.98 | 0.17 |
| 42 | | 22.50 | 0.00 | 24.49 | 5.29 | 24.49 | 0.06 |
| 43 | | 23.19 | 0.00 | 18.60 | 5.21 | 18.60 | 0.05 |
| 44 | beta caryophyllene | 23.57 | 100.00 | 467.49 | 127.94 | 467.49 | 1.20 |
| 45 | | 24.22 | 0.00 | 34.30 | 9.98 | 34.30 | 0.09 |
| 46 | | 24.83 | 0.00 | 30.68 | 9.04 | 30.68 | 0.08 |
| 47 | alpha humulene | 25.06 | 100.00 | 90.67 | 25.81 | 90.67 | 0.23 |
| 48 | trans-beta farnesene | 25.89 | 100.00 | 153.60 | 43.81 | 153.60 | 0.39 |
| 49 | | 26.98 | 0.00 | 62.39 | 16.59 | 62.39 | 0.16 |
| 50 | germacrene D | 27.12 | 100.00 | 81.08 | 15.24 | 81.08 | 0.21 |
| 51 | | 27.49 | 0.00 | 48.76 | 10.05 | 48.76 | 0.12 |
| 52 | gamma bisabolene | 28.27 | 0.00 | 608.16 | 157.67 | 608.16 | 1.56 |
| 53 | caryophyllene oxide | 29.57 | 0.00 | 93.61 | 21.65 | 93.61 | 0.24 |
| 54 | | 31.63 | 0.00 | 29.03 | 7.77 | 29.03 | 0.07 |
| 55 | alpha bisabolol | 33.14 | 0.00 | 19.31 | 5.49 | 19.31 | 0.05 |





40

50

60

70

min