Floris Ephydra sample 1 conc. MIL4293

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| Ret time | Identity |  |
| 15.18 | C23 |  |
| 16.23 | 2Me-C23 |  |
| 16.50 | 3Me-C23 |  |
| 17.06 | C24 + ? |  |
| 18.11 | 2Me-C24 |  |
| 18.95 | C25 alkene |  |
| 19.01 | C25 |  |
| 19.16 | C25 alkene |  |
| 19.46 | 11Me, 13Me-C25 |  |
| 19.49 | 9Me-C29 |  |
| 19.60 | 7Me-C25 |  |
| 19.80 | 5Me-C25 |  |
| 19.99 | 2Me-C25 |  |
| 20.28 | 3Me-C25 |  |
| 20.80 | C26 alkene, C26, 3,7-DiMe-C25 |  |
| 21.81 | 2Me-C26 |  |
| 22.59 | C27 alkene |  |
| 22.68 | C27 |  |
| 23.14 | 9Me, 11Me, 13Me-C27 |  |
| 23.24 | 7Me-C27 |  |
| 23.40 | 5Me-C27 |  |
| 23.61 | 2Me-C27 |  |
| 23.88 | 3Me-C27 |  |
| 24.38 | 3,7-DiMe-C27 |  |
| 26.12 | C29 |  |
| 27.03 | 2Me-C29 |  |
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Floris Oil fly 1X conc MIL 4294

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| Ret time | Identity |  |
| 18.94 | C25 |  |
| 20.79 | C26 |  |
| 22.64 | C27 |  |
| 23.07 | 11Me, 13Me-C27 |  |
| 23.20 | 7Me-C27 |  |
| 23.42 | 5Me-C27 |  |
| 23.88 | 3Me-C27 |  |
| 24.37 | C28 |  |
| 25.29 | 2Me-C28 |  |
| 26.10 | C29 |  |
| 26.50 | 13Me, 15Me-C29 |  |
| 26.58 | 9Me-C29 |  |
| 26.68 | 7Me-C29 |  |
| 27.07 | 7,17-DiMe-C29 |  |
| 27.31 | 3Me-C29 |  |
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Floris D. melanogaster 10 X conc MIL4295

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| Ret time | Identity |  |
| 11.52 | C21 |  |
| 13.32 | C22 |  |
| 14.17 | 2Me-C22 |  |
| 15.20 | C23 |  |
| 15.37 | C23 alkene, diene |  |
| 15.55 | C23 alkene |  |
| 15.72 | Cis-vaccenyl acetate |  |
| 18.12 | 2Me-C24 |  |
| 18.98 | C25 alkene |  |
| 18.99 | C25 |  |
| 19.17 | C25 alkene |  |
| 19.24 | Z7,Z11-C25 diene |  |
| 21.85 | 2Me-C26 |  |
| 22.65 | C27 |  |
| 22.73 | C27 alkene |  |
| 22.90 | C27 alkene |  |
| 22.99 | 7Z,11Z-C27 diene |  |
| 23.21 | 5Z,9Z-C27 diene |  |
| 25.38 | 2Me-C28 |  |
| 26.12 | C29 alkene |  |
| 26.24 | C29 alkene |  |
| 26.39 | C29 alkene |  |
| 26.52 | 7Z,11Z-C29 diene |  |
| 28.69 | 2Me-C30 |  |
| 29.38 | C31 alkene |  |
| 29.43 | C31 alkene |  |
| 32.59 | C31 diene |  |
| 32.69 | C31 diene |  |

Floris D. virilis 10 X conc MIL4296

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| Ret time | Identity |  |
| 18.12 | 2Me-C24 |  |
| 18.91 | C25 alkene |  |
| 18.99 | C25 alkene |  |
| 19.14 | C25 alkene |  |
| 19.28 | C25 diene |  |
| 19.35 | C25 alkene and diene |  |
| 20.74 | C26 alkene |  |
| 21.81 | 2Me-C26 |  |
| 22.26-23.06 | C27 alkenes and dienes |  |
| 24.32 | C28 alkene |  |
| 25.37 | 2Me-C28 |  |
| 26.06-26.60 | C29 alkenes and dienes |  |
| 28.68 | 2Me-C30 |  |
| 29.48 | C31 diene |  |
| 31.80 | ? |  |
| 32.18 | C33 alkene |  |
| 32.62 | C33 diene |  |
| 32.88 | C33 diene and triene |  |
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Floris Santa Ana 5X conc MIL4297

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| Ret time | Identity |  |
| 8.32 | Ethyl tetradecanoate |  |
| 8.57 | Ethyl tetradecenoate |  |
| 11.56 | Ethyl hexadecanoate |  |
| 11.70 | Ethyl hexadecenoate, maybe Z9 |  |
| 15.29 | Ethyl octadecenoate |  |
| 16.02 | 5Me-C23 |  |
| 16.50 | 3Me-C23 |  |
| 17.06 | C24 |  |
| 17.49 | 3,7,11-triMe-C23 |  |
| 17.60 | Mixture |  |
| 17.80 | 6Me-C24 |  |
| 18.06 | 4Me-C24 |  |
| 18.29 | Mixture |  |
| 18.57 | 2,8 + 2,10 + 2,12-DiMe-C24 |  |
| 18.97 | C25 |  |
| 19.23 | ? |  |
| 19.47 | 9Me, 11Me, 13Me-C25 |  |
| 19.60 | 7Me-C25 |  |
| 19.79 | 5Me-C25 |  |
| 20.03 | 7,11-DiMe-C25 + ? |  |
| 20.28 | 3Me-C25 |  |
| 20.80 | Mixture |  |
| 21.27 | 12Me,13Me-C26 |  |
| 21.31 | 10Me-C26 |  |
| 21.76 | 2Me-C26 |  |
| 22.22 | Mixture |  |
| 22.62 | C27 |  |
| 23.87 | 3Me-C27 |  |
| 24.36 | C28 |  |
| 26.10 | C29 |  |
| 27.29 | 2Me-C29 |  |

Floris blue kelp fly 5 X conc MIL4298

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| Ret time | Identity |  |
| 21.84 | 2Me-C26 |  |
| 25.43 | 2Me-C28 |  |
| 25.74 |  |  |
| 26.11 | C29 |  |
| 28.35 | 3,7,11,15-tetraMe-C29 |  |
| 28.69 | 2Me-C30 |  |
| 29.37 | 2,8,12-triMe-C30 |  |
| 29.77 | 2,8,12,16-tetraMe-C30 |  |
| 32.66 | 2,8,12,16-tetraMe-C32 |  |
| 33.85 | m/z 478 ester? |  |
| 34.13 | m/z 494 ester? |  |
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Floris black kelp fly 3X conc MIL4299

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| Ret time | Identity |  |
| 11.58 | C21 |  |
| 13.30 | C22 |  |
| 15.17 | C23 |  |
| 29.35 | C31 alkene |  |
| 32.52 | C33 alkene, diene |  |
| 35.84 | C35 alkene, diene |  |
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