TABLE S-I. Identification of representative sterane and terpane peaks in fragmentograms *m/z* 217 and *m/z* 191 shown in Fig. S-1. (b, c)

|  |  |
| --- | --- |
| Peak | Compounds |
| 1 | C27 13β(H)17α(H)20(*S*)-diasterane |
| 2 | C28 13α(H)17β(H)20(*R*)-diasterane  + C27 14β(H)17β(H)20(*S*)-sterane |
| 3 | C27 14α(H)17α(H)20(*R*)-sterane |
| 4 | C28 14β(H)17β(H)20(*S*)-sterane |
| 5 | C28 14α(H)17α(H)20(*R*)-sterane |
| 6 | C29 14β(H)17β(H)20(*S*)-sterane |
| 7 | C29 14α(H)17α(H)20(*R*)-sterane |
| 8 | C29 17α(H)21β(H)-hopane |
| 9 | C30 17α(H)21β(H)-hopane |
| 10 | C31 17α(H)21β(H)-hopane (22*S* and 22*R*) |
| 11 | C32 17α(H)21β(H)-hopane (22*S* and 22*R*) |
| 12 | C33 17α(H)21β(H)-hopane (22*S* and 22*R*) |
| 13 | C34 17α(H)21β(H)-hopane (22*S* and 22*R*) |
| 14 | C35 17α(H)21β(H)-hopane (22*S* and 22*R*) |