

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE032323AL\  
 Data File : FE040991.D  
 Signal(s) : FID1B.ch  
 Acq On : 24 Mar 2023 01:50  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e  
 Quant Time: Mar 24 02:56:36 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 022823.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Feb 28 03:05:09 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 9) S ortho-Terphenyl (SURR)    | 11.870 | 3604443    | 19.295 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.59%       |
| 12) S 1-chlorooctadecane (S... | 13.309 | 2761644    | 18.659 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 37.32%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.265  | 3193904    | 20.757 ug/ml |
| 2) T n-Decane (C10)            | 4.512  | 3259348    | 21.664 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.216  | 3561750    | 21.473 ug/ml |
| 4) T n-Dodecane (C12)          | 6.677  | 3301188    | 21.564 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.312  | 3250212    | 21.476 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.504  | 3311150    | 21.424 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.111 | 3400746    | 21.055 ug/ml |
| 8) T n-Octadecane (C18)        | 11.554 | 3415326    | 20.114 ug/ml |
| 10) T n-Eicosane (C20)         | 12.864 | 3276663    | 19.369 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.476 | 3231820    | 18.860 ug/ml |
| 13) T n-Docosane (C22)         | 14.063 | 3183236    | 18.581 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.167 | 3147735    | 18.259 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.190 | 3054897    | 17.974 ug/ml |
| 16) T n-Octacosane (C28)       | 17.141 | 3145761    | 18.758 ug/ml |
| 17) T n-Tricontane (C30)       | 18.030 | 3386487    | 20.740 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.864 | 3571660    | 20.869 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.650 | 3401018    | 21.998 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.391 | 3225130    | 22.199 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.121 | 3145961    | 22.887 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.012 | 3312618    | 21.438 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

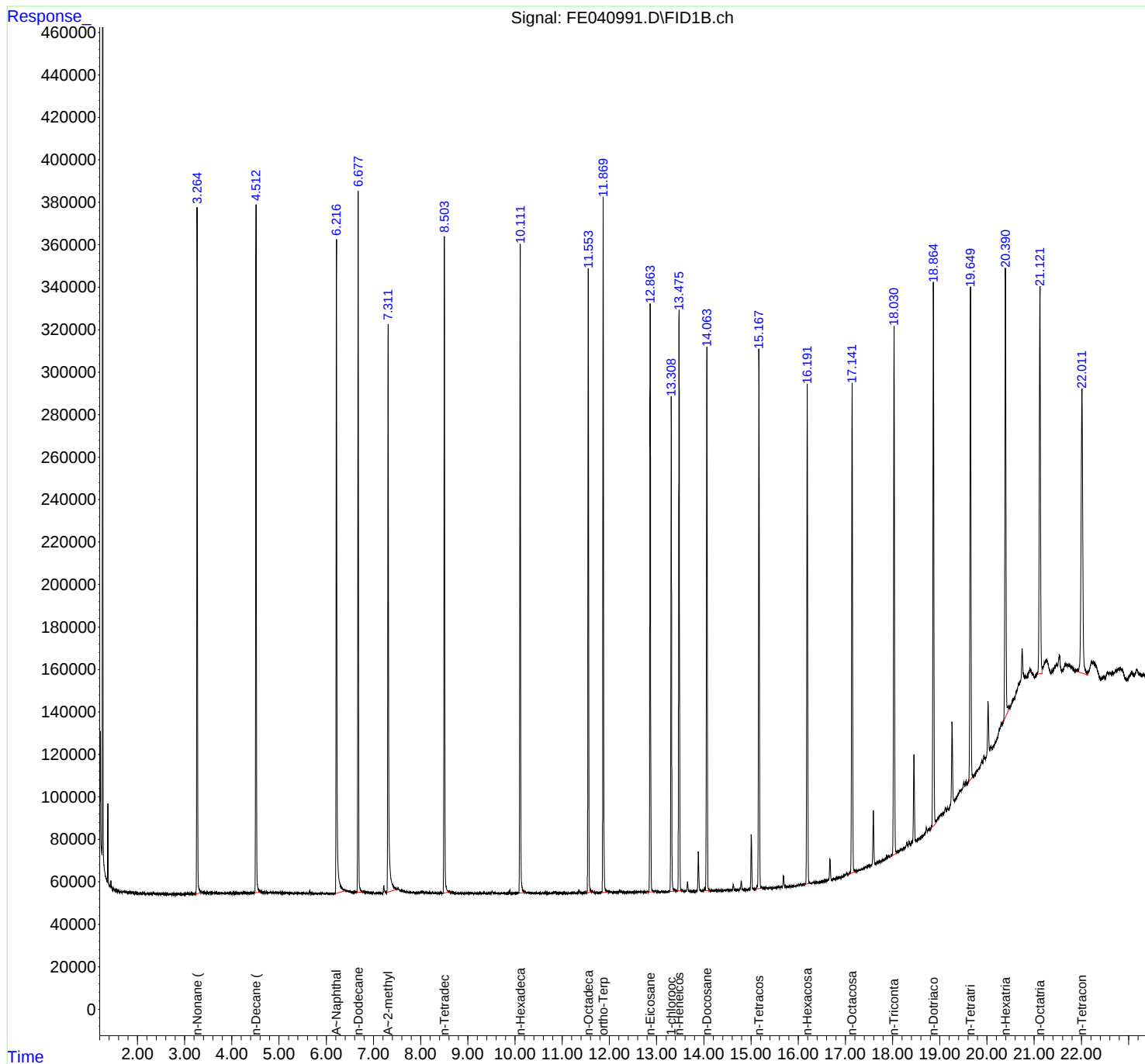
(m)=manual int.

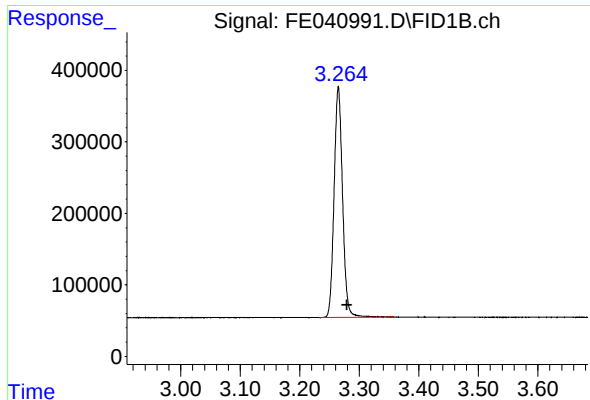
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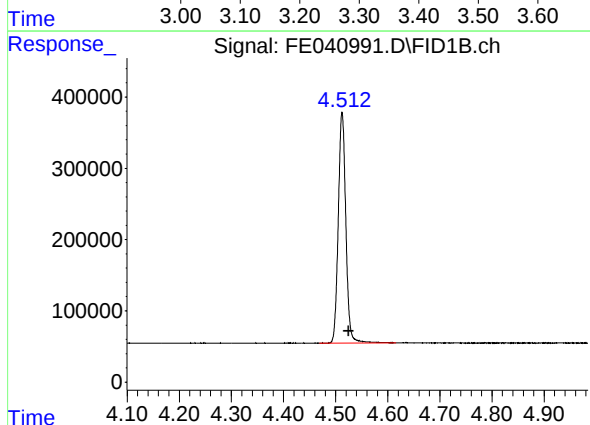




#1 n-Nonane (C9)

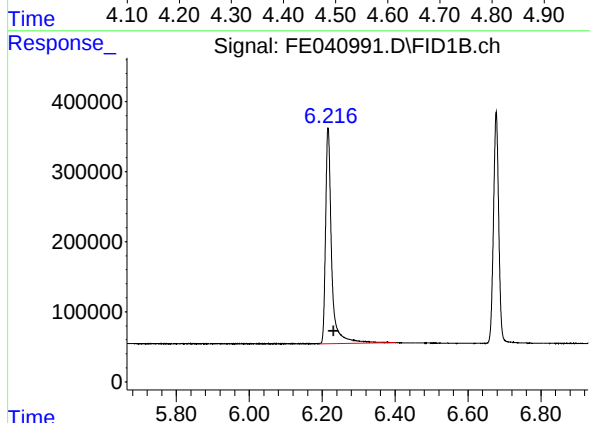
R.T.: 3.265 min  
Delta R.T.: -0.014 min  
Response: 3193904  
Conc: 20.76 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD



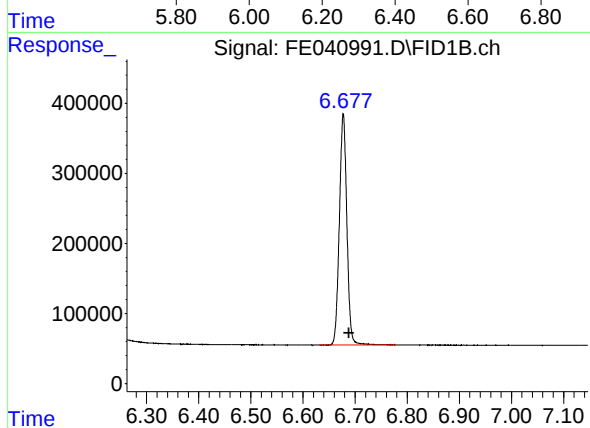
#2 n-Decane (C10)

R.T.: 4.512 min  
Delta R.T.: -0.013 min  
Response: 3259348  
Conc: 21.66 ug/ml



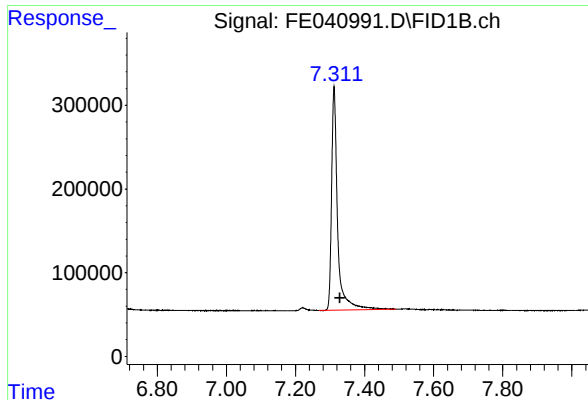
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min  
Delta R.T.: -0.015 min  
Response: 3561750  
Conc: 21.47 ug/ml



#4 n-Dodecane (C12)

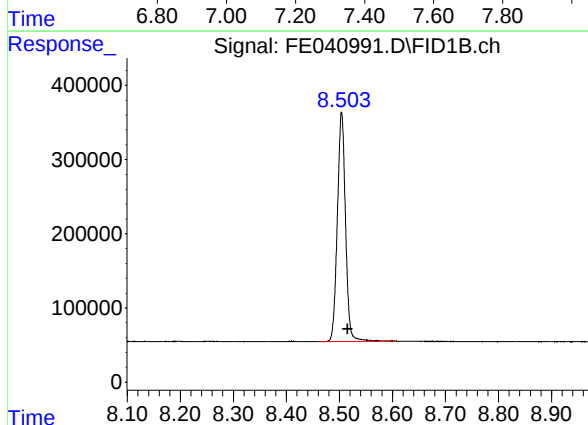
R.T.: 6.677 min  
Delta R.T.: -0.010 min  
Response: 3301188  
Conc: 21.56 ug/ml



#5 A~2-methylnaphthalene (C12.89)

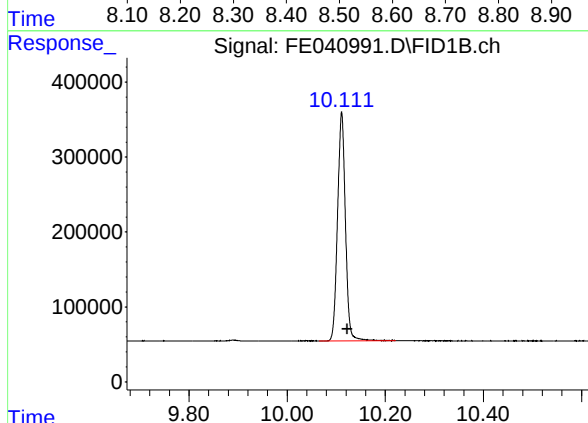
R.T.: 7.312 min  
Delta R.T.: -0.017 min  
Response: 3250212  
Conc: 21.48 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD



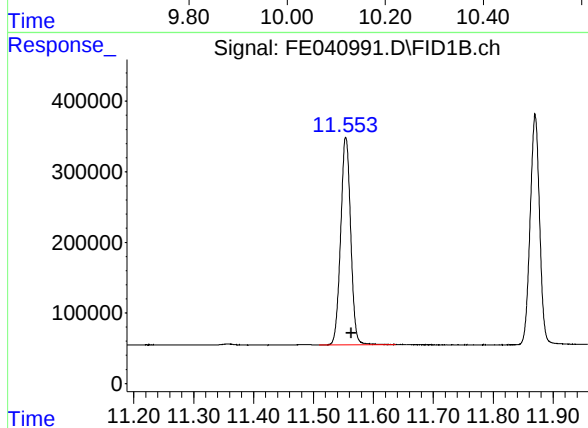
#6 n-Tetradecane (C14)

R.T.: 8.504 min  
Delta R.T.: -0.011 min  
Response: 3311150  
Conc: 21.42 ug/ml



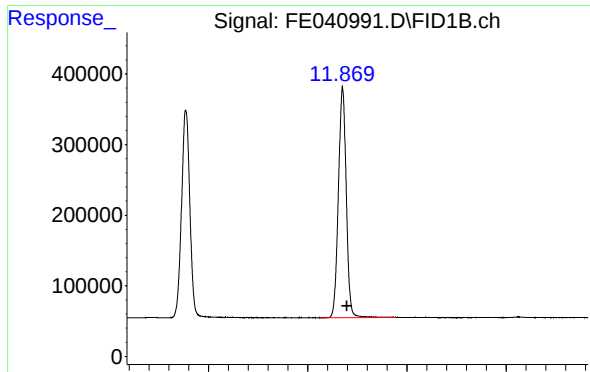
#7 n-Hexadecane (C16)

R.T.: 10.111 min  
Delta R.T.: -0.011 min  
Response: 3400746  
Conc: 21.05 ug/ml



#8 n-Octadecane (C18)

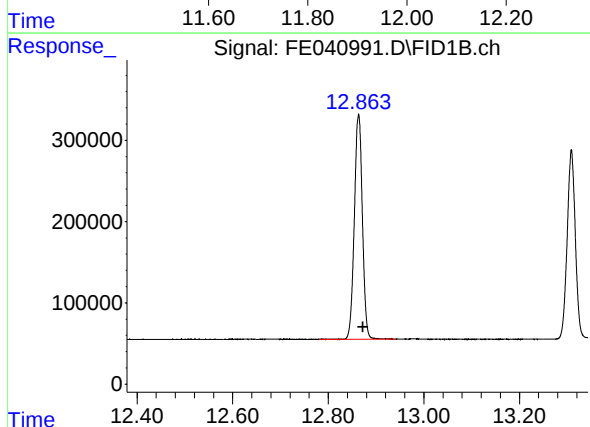
R.T.: 11.554 min  
Delta R.T.: -0.009 min  
Response: 3415326  
Conc: 20.11 ug/ml



#9 ortho-Terphenyl (SURR)

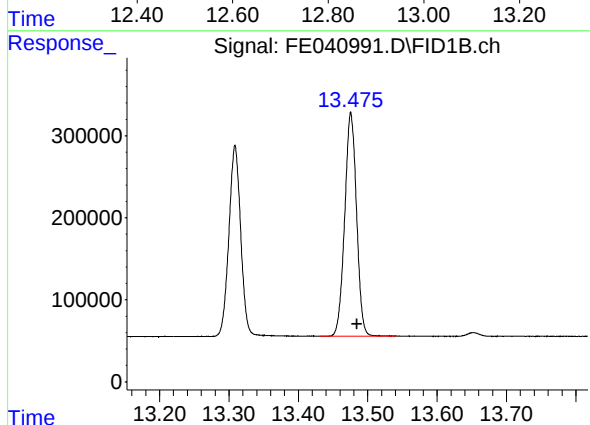
R.T.: 11.870 min  
Delta R.T.: -0.009 min  
Response: 3604443  
Conc: 19.29 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD



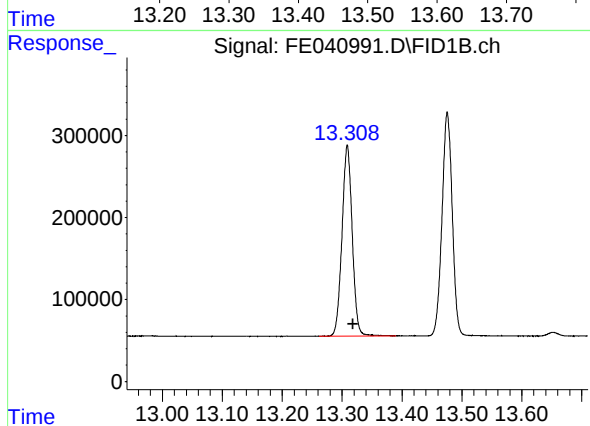
#10 n-Eicosane (C20)

R.T.: 12.864 min  
Delta R.T.: -0.009 min  
Response: 3276663  
Conc: 19.37 ug/ml



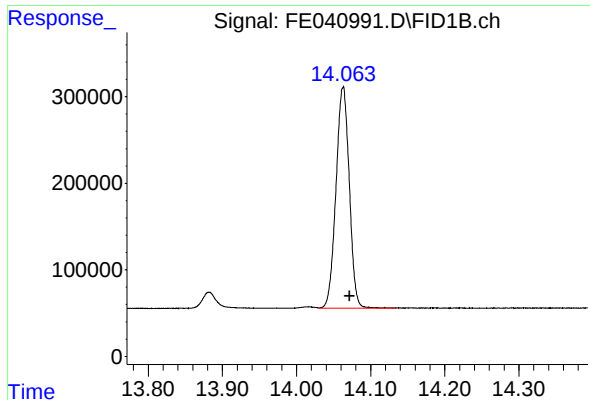
#11 n-Heneicosane (C21)

R.T.: 13.476 min  
Delta R.T.: -0.009 min  
Response: 3231820  
Conc: 18.86 ug/ml



#12 1-chlorooctadecane (SURR)

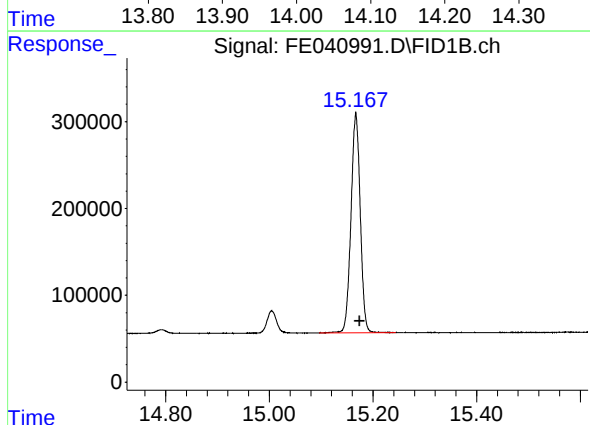
R.T.: 13.309 min  
Delta R.T.: -0.009 min  
Response: 2761644  
Conc: 18.66 ug/ml



#13 n-Docosane (C22)

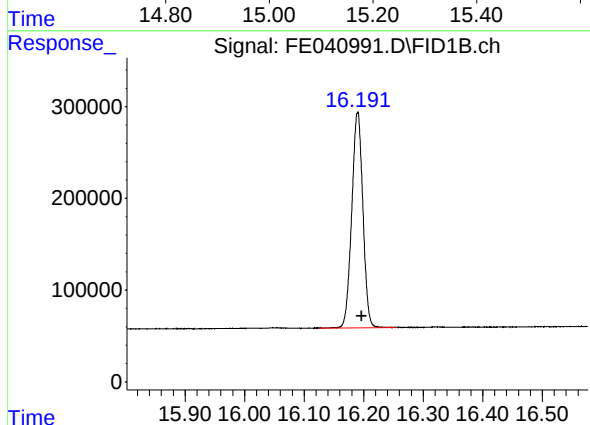
R.T.: 14.063 min  
Delta R.T.: -0.009 min  
Response: 3183236  
Conc: 18.58 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD



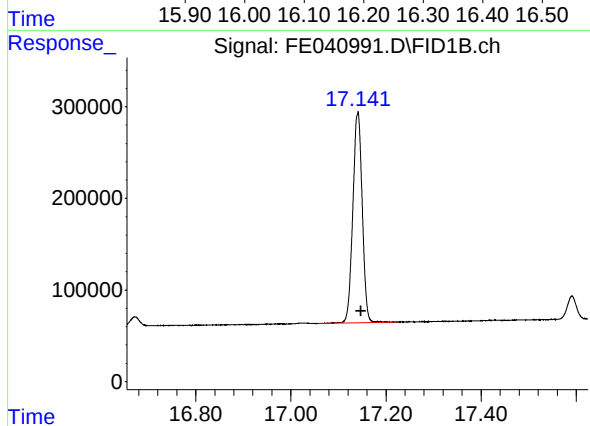
#14 n-Tetracosane (C24)

R.T.: 15.167 min  
Delta R.T.: -0.007 min  
Response: 3147735  
Conc: 18.26 ug/ml



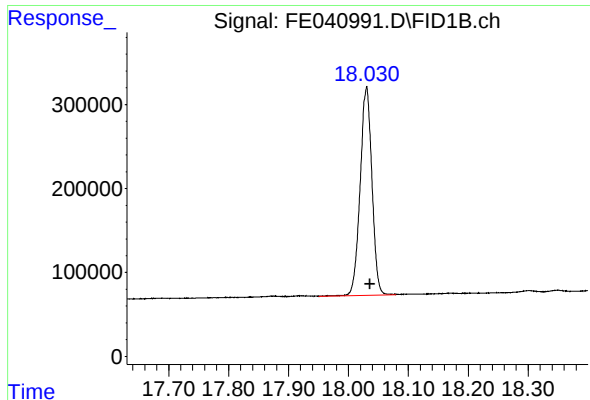
#15 n-Hexacosane (C26)

R.T.: 16.190 min  
Delta R.T.: -0.007 min  
Response: 3054897  
Conc: 17.97 ug/ml



#16 n-Octacosane (C28)

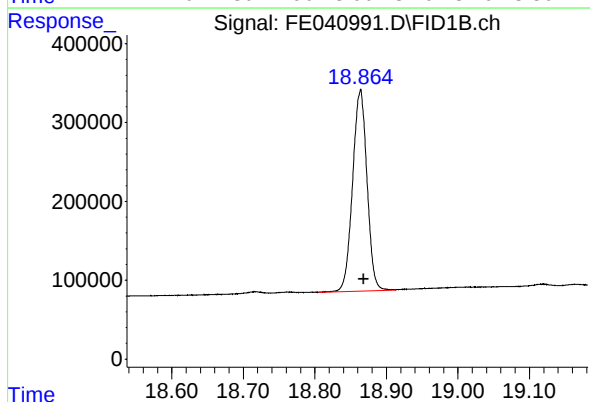
R.T.: 17.141 min  
Delta R.T.: -0.006 min  
Response: 3145761  
Conc: 18.76 ug/ml



#17 n-Tricontane (C30)

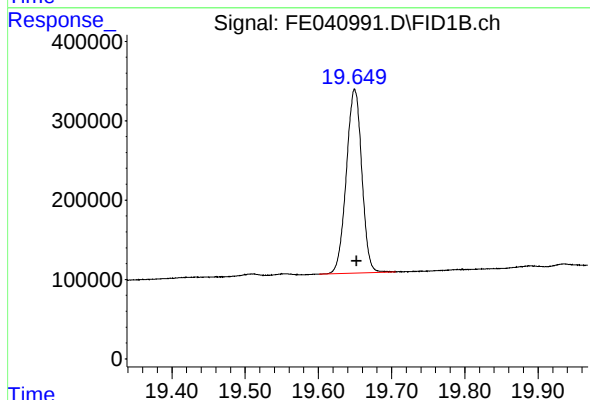
R.T.: 18.030 min  
Delta R.T.: -0.006 min  
Response: 3386487  
Conc: 20.74 ug/ml

Instrument :  
FID\_E  
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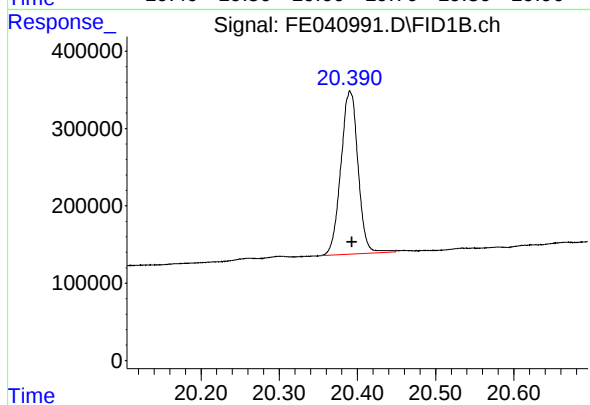
#18 n-Dotriacontane (C32)

R.T.: 18.864 min  
Delta R.T.: -0.004 min  
Response: 3571660  
Conc: 20.87 ug/ml



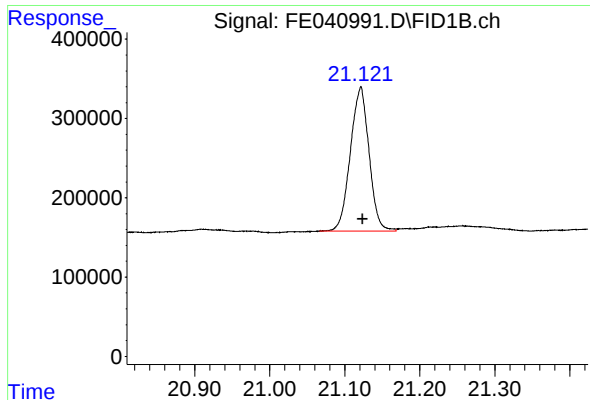
#19 n-Tetatriacontane (C34)

R.T.: 19.650 min  
Delta R.T.: -0.002 min  
Response: 3401018  
Conc: 22.00 ug/ml



#20 n-Hexatriacontane (C36)

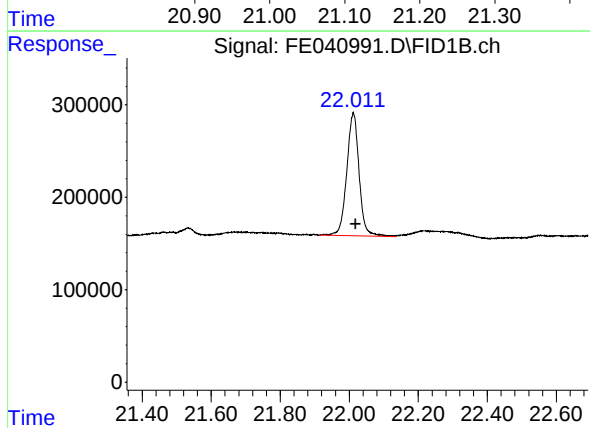
R.T.: 20.391 min  
Delta R.T.: -0.003 min  
Response: 3225130  
Conc: 22.20 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.121 min  
Delta R.T.: -0.002 min  
Response: 3145961  
Conc: 22.89 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD



#22 n-Tetracontane (C40)

R.T.: 22.012 min  
Delta R.T.: -0.007 min  
Response: 3312618  
Conc: 21.44 ug/ml