

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE082024AL\  
 Data File : FE049672.D  
 Signal(s) : FID1B.ch  
 Acq On : 20 Aug 2024 11:47  
 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: Aug 21 01:33:17 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 081424.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Aug 14 11:05:17 2024  
 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)    | 11.889 | 2972845    | 18.384 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 36.77%       |
| 12) S 1-chlorooctadecane (S... | 13.324 | 2269945    | 18.605 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 37.21%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.276  | 2607778    | 16.851 ug/ml |
| 2) T n-Decane (C10)            | 4.527  | 2782022    | 17.620 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.235  | 2858981    | 17.818 ug/ml |
| 4) T n-Dodecane (C12)          | 6.695  | 2820301    | 17.940 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.331  | 2719248    | 18.158 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.522  | 2787314    | 18.055 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.129 | 2853559    | 18.271 ug/ml |
| 8) T n-Octadecane (C18)        | 11.571 | 2879236    | 18.333 ug/ml |
| 10) T n-Eicosane (C20)         | 12.879 | 2753882    | 18.444 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.490 | 2719540    | 18.538 ug/ml |
| 13) T n-Docosane (C22)         | 14.076 | 2687856    | 18.441 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.178 | 2698206    | 18.549 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.198 | 2669716    | 18.498 ug/ml |
| 16) T n-Octacosane (C28)       | 17.148 | 2757677    | 19.145 ug/ml |
| 17) T n-Tricontane (C30)       | 18.035 | 3002437    | 20.056 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.867 | 3124039    | 20.650 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.650 | 3094958    | 20.244 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.389 | 3044281    | 20.048 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.118 | 3007929    | 19.165 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.015 | 2913876    | 19.085 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

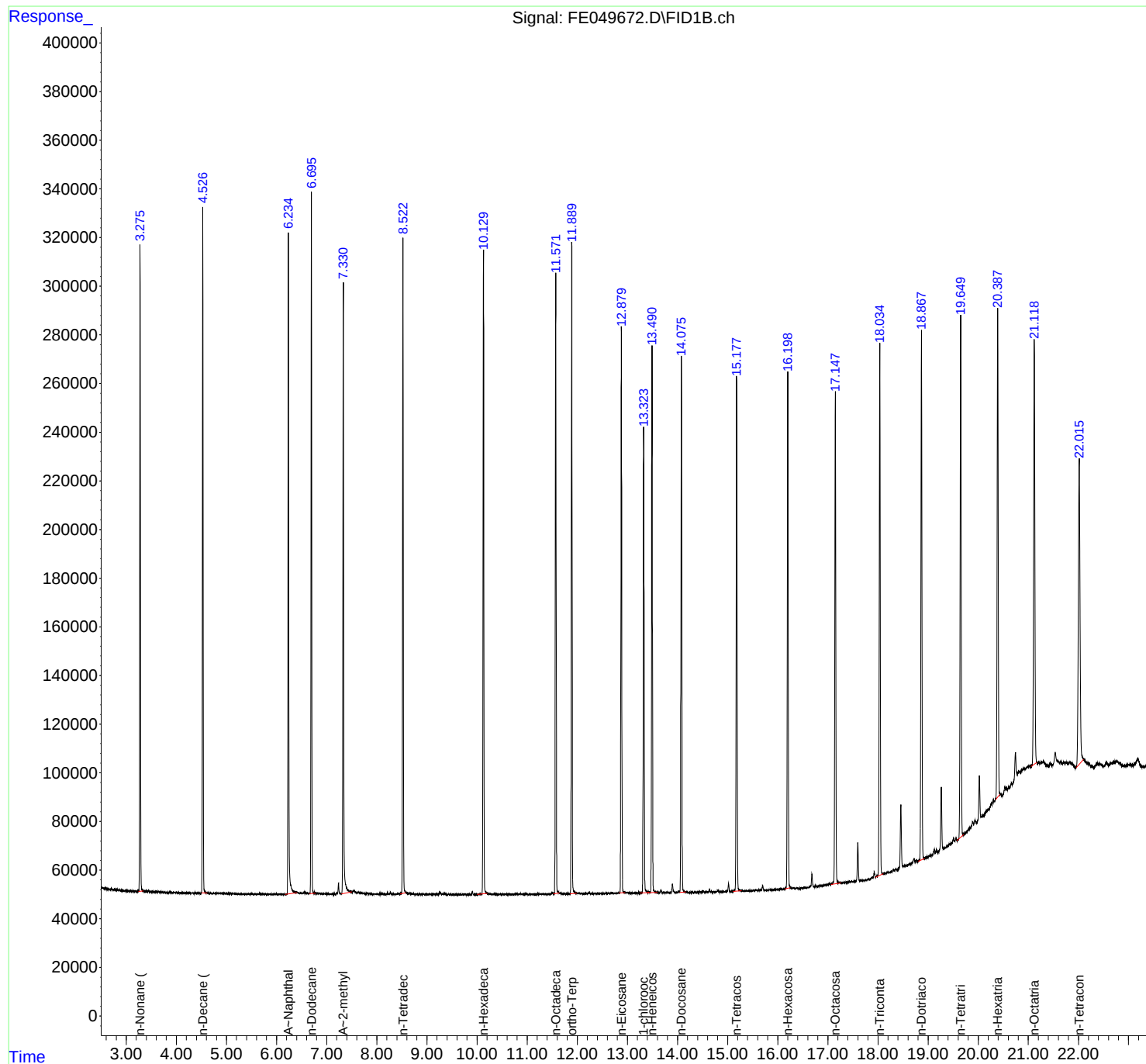
(m)=manual int.

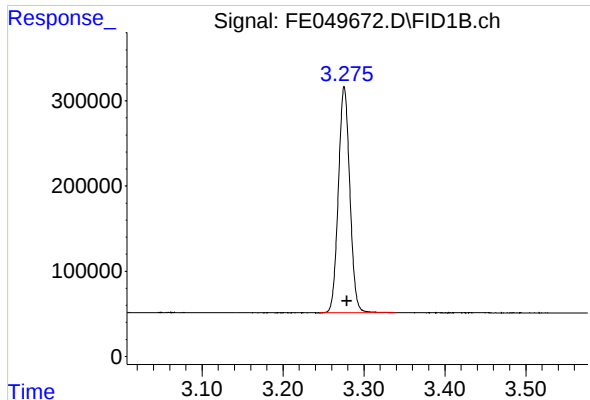
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE082024AL\  
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Volume Inj. : 1 ul  
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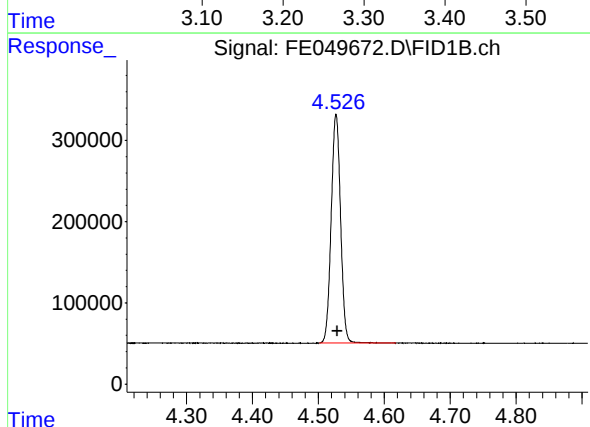




#1 n-Nonane (C9)

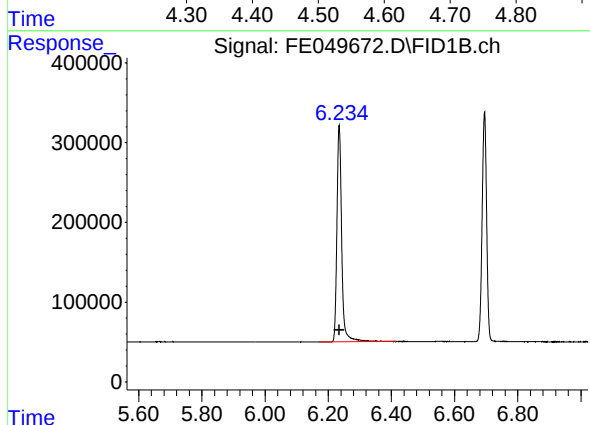
R.T.: 3.276 min  
Delta R.T.: -0.003 min  
Response: 2607778  
Conc: 16.85 ug/ml

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



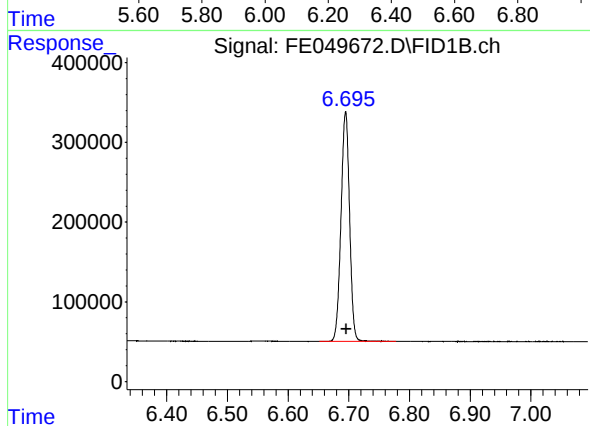
#2 n-Decane (C10)

R.T.: 4.527 min  
Delta R.T.: -0.002 min  
Response: 2782022  
Conc: 17.62 ug/ml



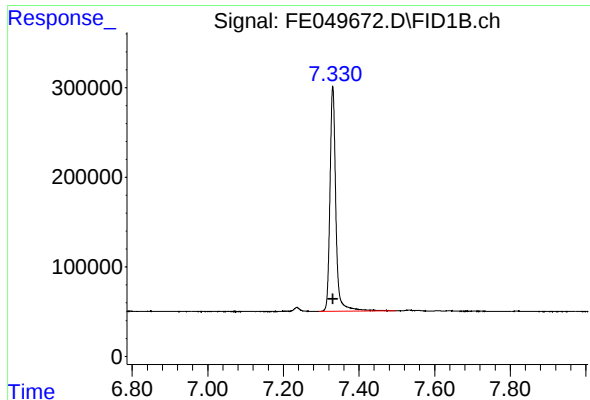
#3 A~Naphthalene (C11.7)

R.T.: 6.235 min  
Delta R.T.: 0.000 min  
Response: 2858981  
Conc: 17.82 ug/ml



#4 n-Dodecane (C12)

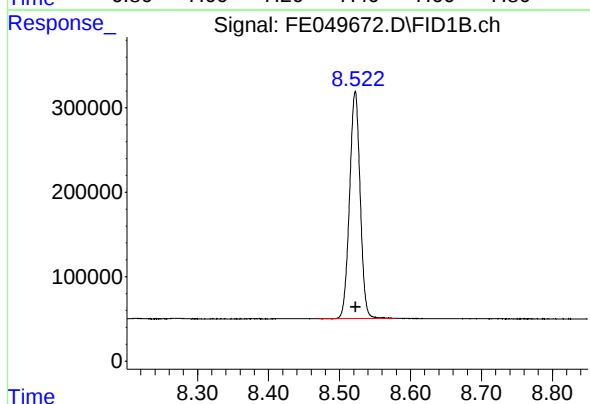
R.T.: 6.695 min  
Delta R.T.: 0.000 min  
Response: 2820301  
Conc: 17.94 ug/ml



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

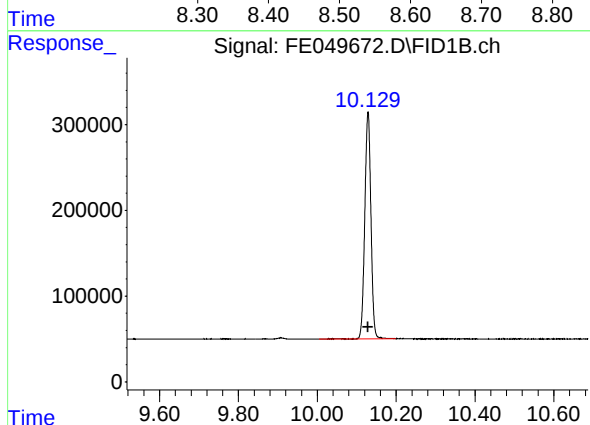
R.T.: 7.331 min  
Delta R.T.: 0.000 min  
Response: 2719248  
Conc: 18.16 ug/ml

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



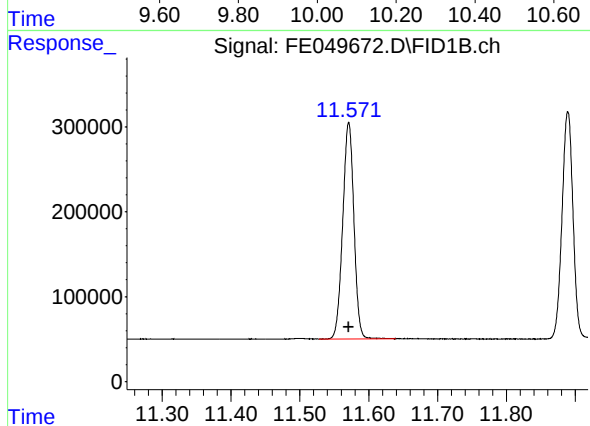
#6 n-Tetradecane (C14)

R.T.: 8.522 min  
Delta R.T.: 0.000 min  
Response: 2787314  
Conc: 18.05 ug/ml



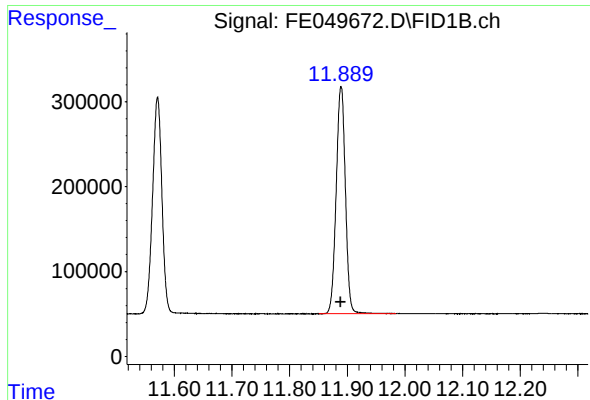
#7 n-Hexadecane (C16)

R.T.: 10.129 min  
Delta R.T.: 0.000 min  
Response: 2853559  
Conc: 18.27 ug/ml



#8 n-Octadecane (C18)

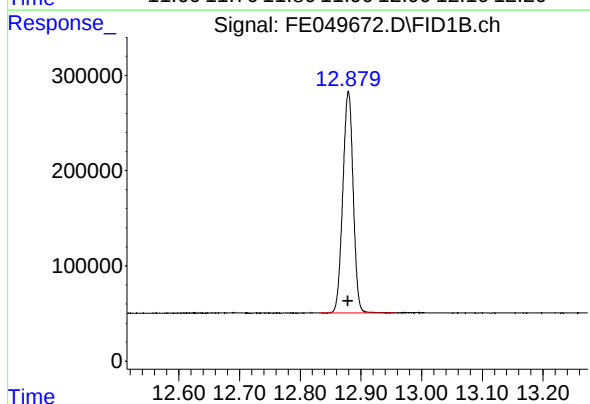
R.T.: 11.571 min  
Delta R.T.: 0.000 min  
Response: 2879236  
Conc: 18.33 ug/ml



#9 ortho-Terphenyl (SURR)

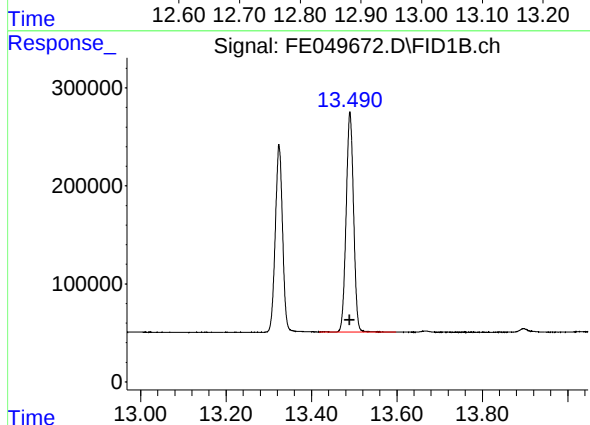
R.T.: 11.889 min  
Delta R.T.: 0.000 min  
Response: 2972845  
Conc: 18.38 ug/ml

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



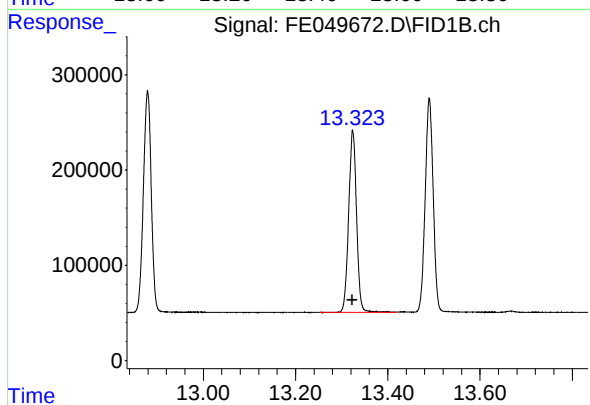
#10 n-Eicosane (C20)

R.T.: 12.879 min  
Delta R.T.: 0.000 min  
Response: 2753882  
Conc: 18.44 ug/ml



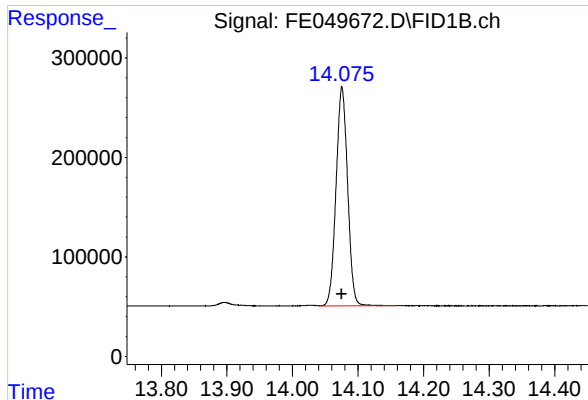
#11 n-Heneicosane (C21)

R.T.: 13.490 min  
Delta R.T.: 0.000 min  
Response: 2719540  
Conc: 18.54 ug/ml



#12 1-chlorooctadecane (SURR)

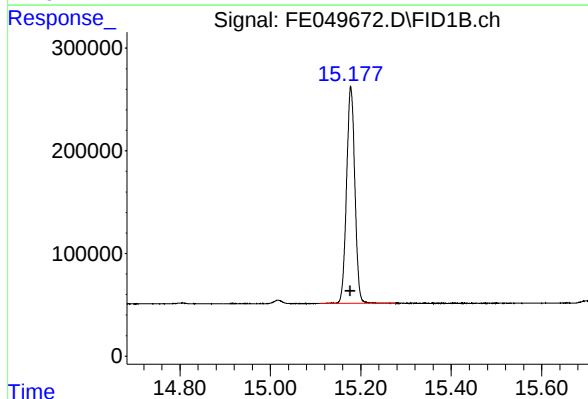
R.T.: 13.324 min  
Delta R.T.: 0.000 min  
Response: 2269945  
Conc: 18.61 ug/ml



#13 n-Docosane (C22)

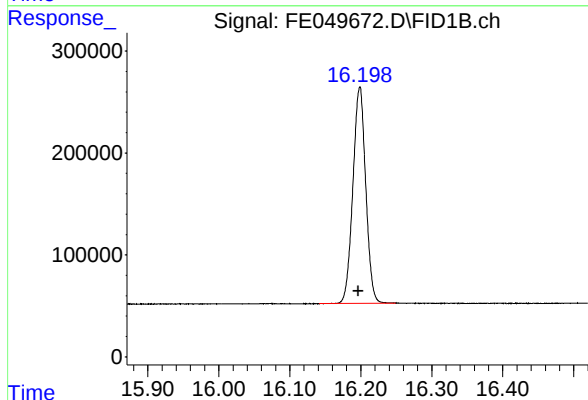
R.T.: 14.076 min  
Delta R.T.: 0.000 min  
Response: 2687856  
Conc: 18.44 ug/ml

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



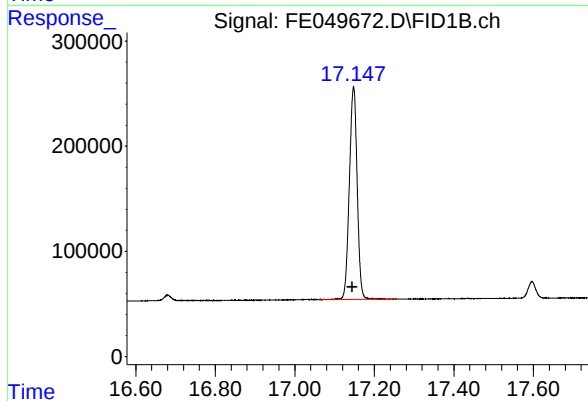
#14 n-Tetracosane (C24)

R.T.: 15.178 min  
Delta R.T.: 0.001 min  
Response: 2698206  
Conc: 18.55 ug/ml



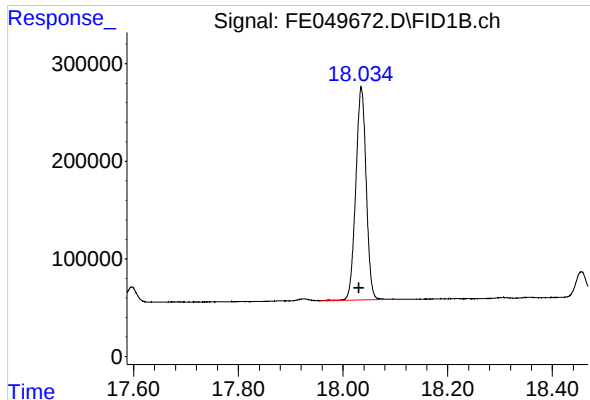
#15 n-Hexacosane (C26)

R.T.: 16.198 min  
Delta R.T.: 0.002 min  
Response: 2669716  
Conc: 18.50 ug/ml



#16 n-Octacosane (C28)

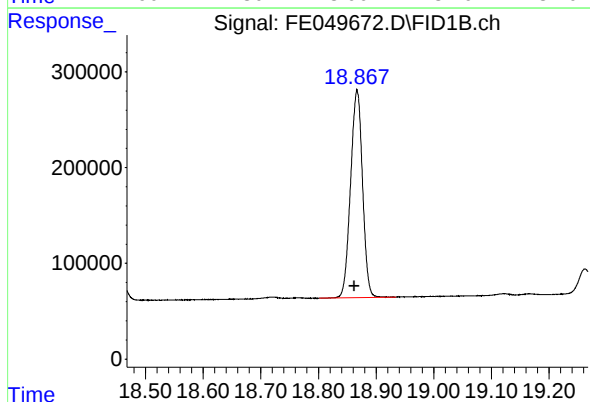
R.T.: 17.148 min  
Delta R.T.: 0.003 min  
Response: 2757677  
Conc: 19.15 ug/ml



#17 n-Tricontane (C30)

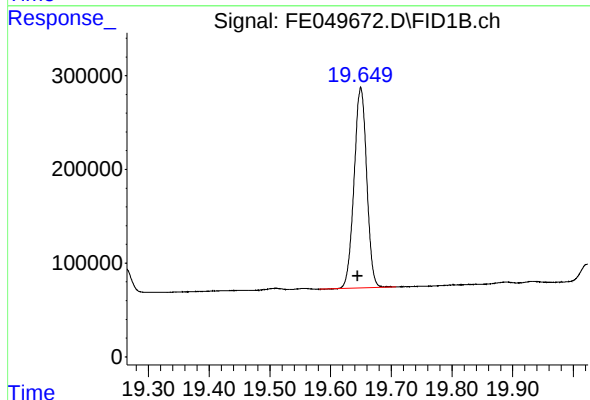
R.T.: 18.035 min  
Delta R.T.: 0.004 min  
Response: 3002437  
Conc: 20.06 ug/ml

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FID\_E  
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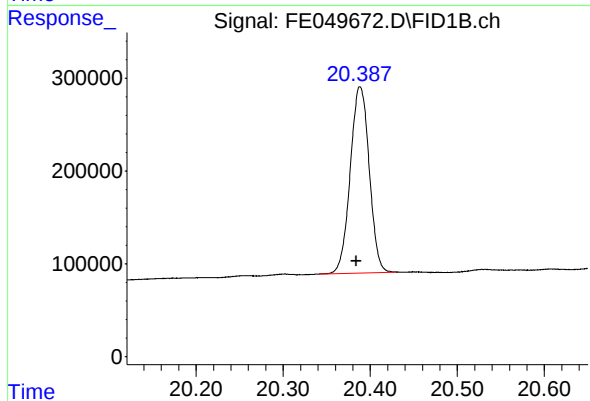
#18 n-Dotriacontane (C32)

R.T.: 18.867 min  
Delta R.T.: 0.005 min  
Response: 3124039  
Conc: 20.65 ug/ml



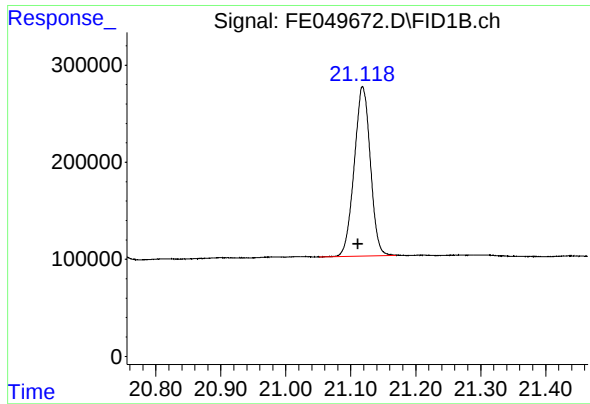
#19 n-Tetatriacontane (C34)

R.T.: 19.650 min  
Delta R.T.: 0.005 min  
Response: 3094958  
Conc: 20.24 ug/ml



#20 n-Hexatriacontane (C36)

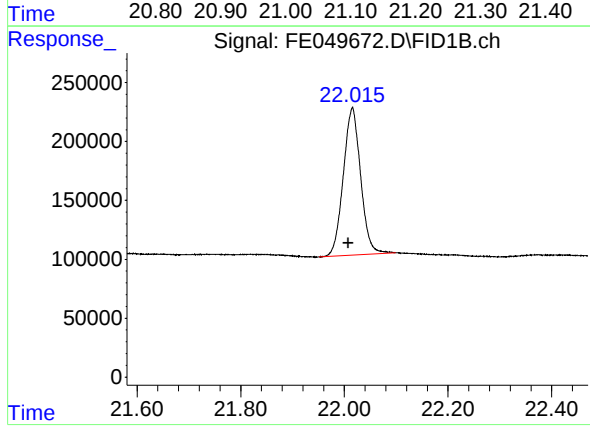
R.T.: 20.389 min  
Delta R.T.: 0.005 min  
Response: 3044281  
Conc: 20.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.118 min  
Delta R.T.: 0.007 min  
Response: 3007929  
Conc: 19.16 ug/ml

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FID\_E  
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#22 n-Tetracontane (C40)

R.T.: 22.015 min  
Delta R.T.: 0.008 min  
Response: 2913876  
Conc: 19.08 ug/ml