

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE050223AL\  
 Data File : FE041664.D  
 Signal(s) : FID1B.ch  
 Acq On : 02 May 2023 09:17  
 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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/03/2023  
 Supervised By :Ankita Jodhani 05/03/2023

Integration File: autoint1.e  
 Quant Time: May 03 02:49:38 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 042123.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 21 07:33:51 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)    | 11.985 | 3671304    | 19.569 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 39.14%       |
| 12) S 1-chlorooctadecane (S... | 13.421 | 2714775    | 19.217 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.43%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.356  | 2948062    | 20.055 ug/ml |
| 2) T n-Decane (C10)            | 4.610  | 3058412    | 20.392 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.318  | 3373798    | 20.387 ug/ml |
| 4) T n-Dodecane (C12)          | 6.780  | 3104303    | 20.417 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.416  | 3292992    | 20.422 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.610  | 3105991    | 20.447 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.219 | 3230329    | 20.242 ug/ml |
| 8) T n-Octadecane (C18)        | 11.665 | 3270018    | 19.950 ug/ml |
| 10) T n-Eicosane (C20)         | 12.976 | 3137027    | 19.503 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.589 | 3072565    | 19.279 ug/ml |
| 13) T n-Docosane (C22)         | 14.175 | 3048283    | 19.132 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.279 | 3017657    | 18.718 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.301 | 2904794    | 18.373 ug/ml |
| 16) T n-Octacosane (C28)       | 17.252 | 2832834    | 18.410 ug/ml |
| 17) T n-Tricontane (C30)       | 18.140 | 2886719    | 18.954 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.974 | 2822402    | 18.945 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.758 | 2749905    | 19.520 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.498 | 2664307    | 19.923 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.256 | 2763579    | 20.915 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.201 | 2804941    | 22.154 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

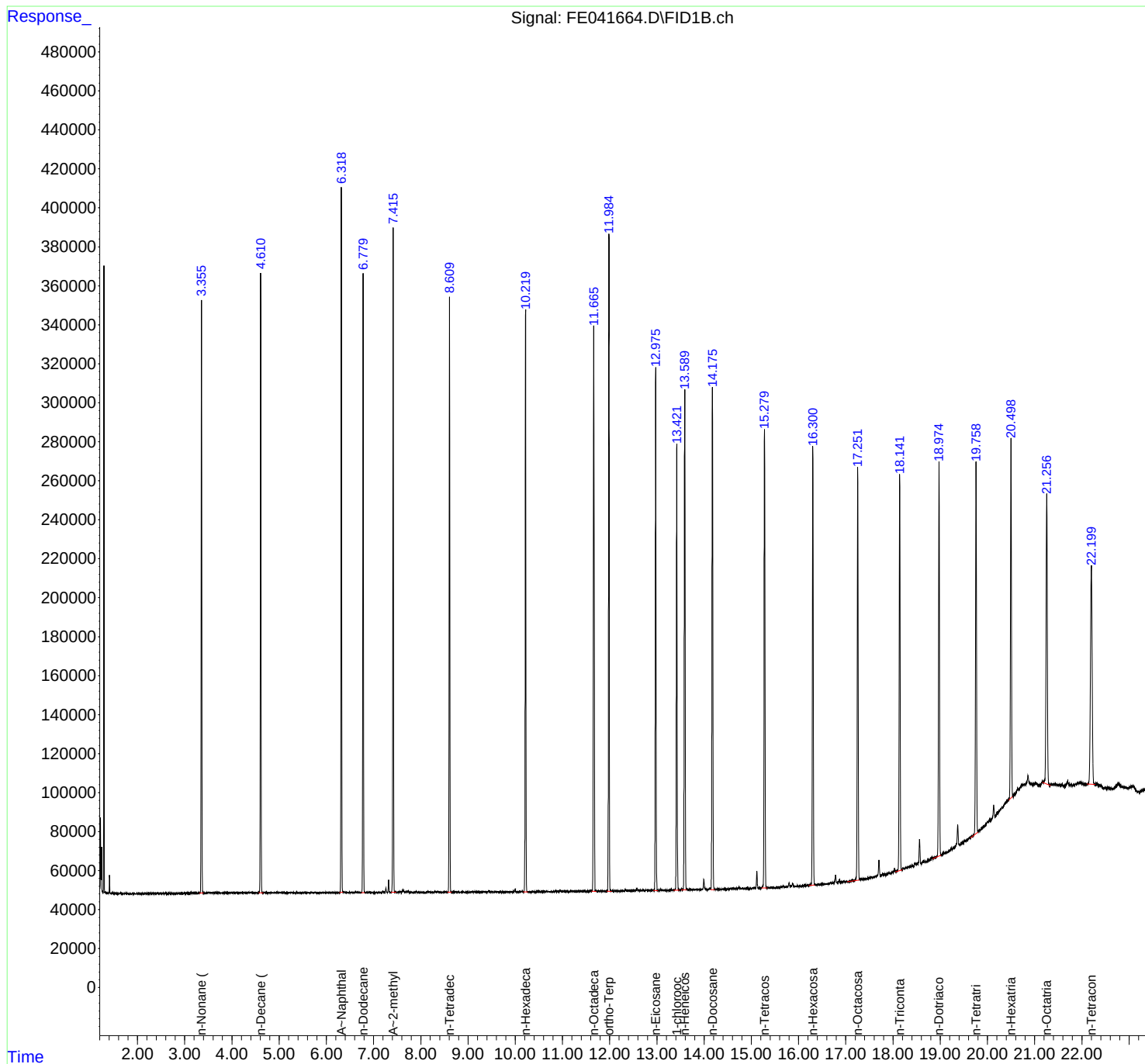
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

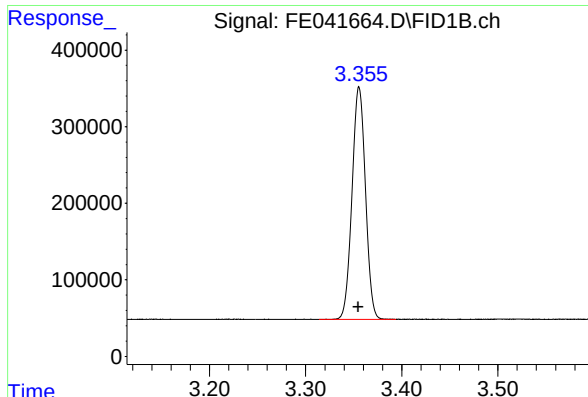
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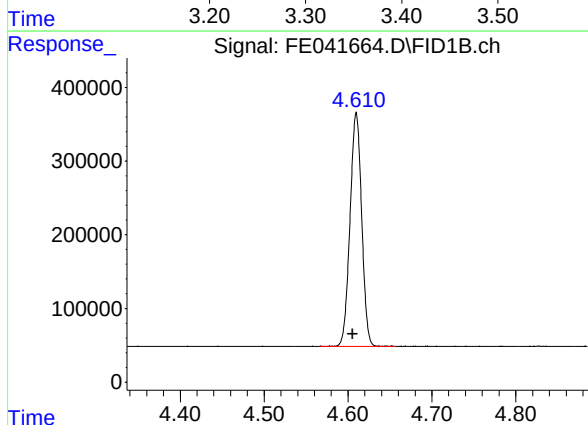
#1 n-Nonane (C9)

R.T.: 3.356 min  
Delta R.T.: 0.000 min  
Response: 2948062  
Conc: 20.06 ug/ml

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

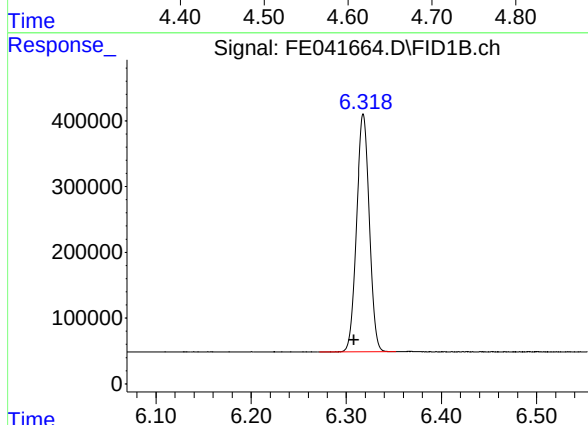
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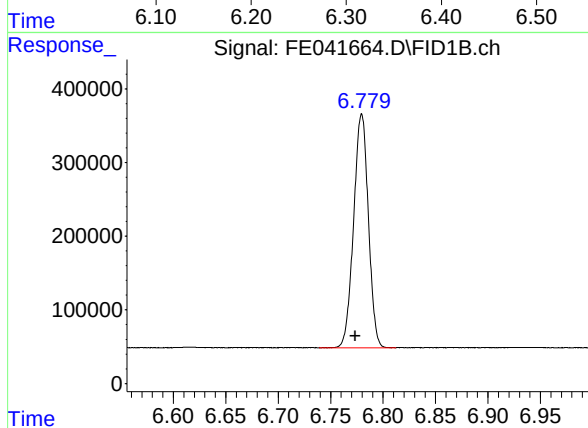
#2 n-Decane (C10)

R.T.: 4.610 min  
Delta R.T.: 0.004 min  
Response: 3058412  
Conc: 20.39 ug/ml



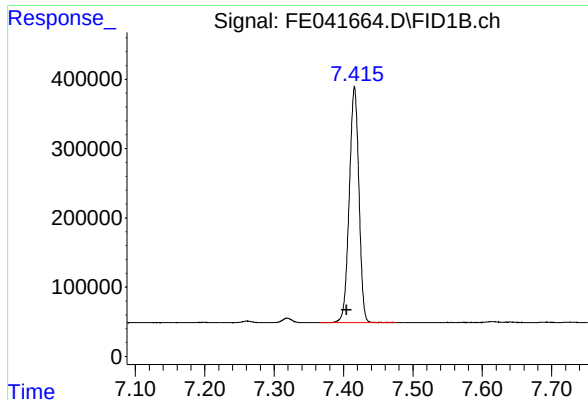
#3 A~Naphthalene (C11.7)

R.T.: 6.318 min  
Delta R.T.: 0.010 min  
Response: 3373798  
Conc: 20.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.780 min  
Delta R.T.: 0.006 min  
Response: 3104303  
Conc: 20.42 ug/ml



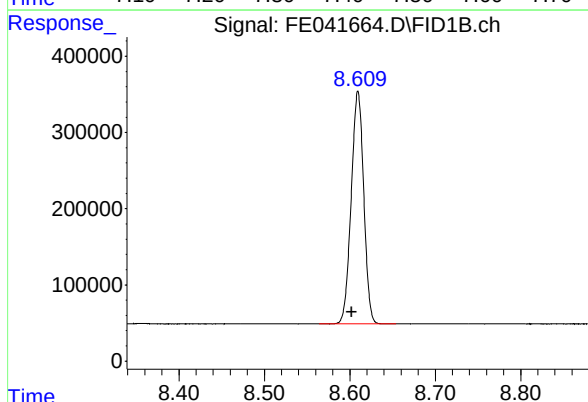
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.416 min  
Delta R.T.: 0.011 min  
Response: 3292992  
Conc: 20.42 ug/ml

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

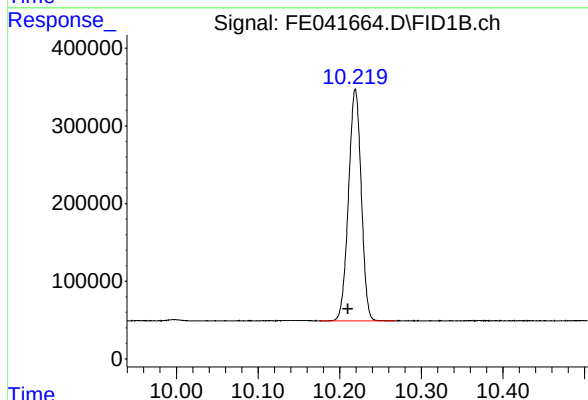
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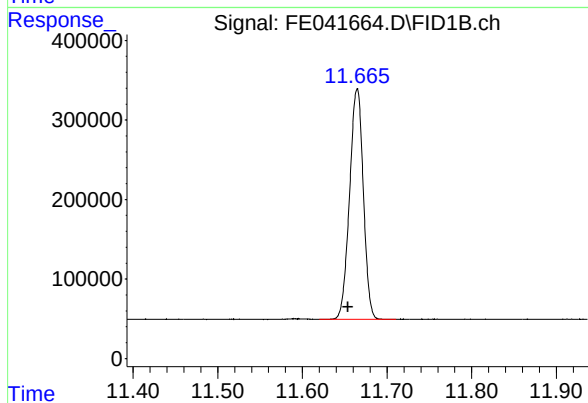
#6 n-Tetradecane (C14)

R.T.: 8.610 min  
Delta R.T.: 0.007 min  
Response: 3105991  
Conc: 20.45 ug/ml



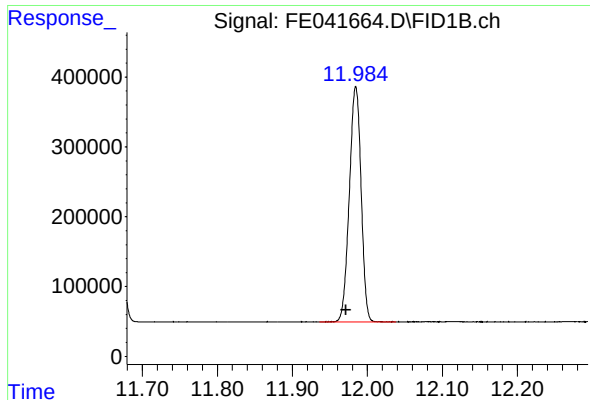
#7 n-Hexadecane (C16)

R.T.: 10.219 min  
Delta R.T.: 0.009 min  
Response: 3230329  
Conc: 20.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.665 min  
Delta R.T.: 0.011 min  
Response: 3270018  
Conc: 19.95 ug/ml



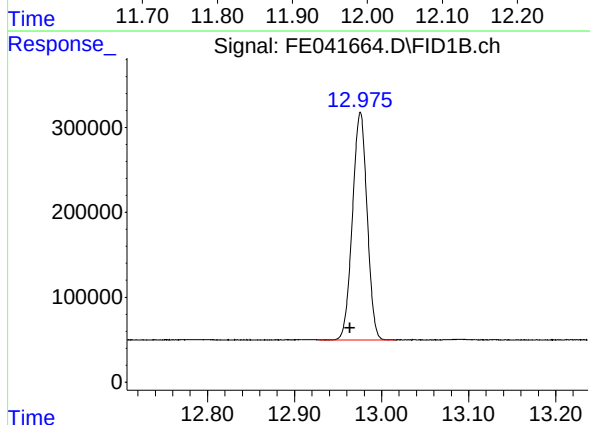
#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min  
Delta R.T.: 0.013 min  
Response: 3671304  
Conc: 19.57 ug/ml

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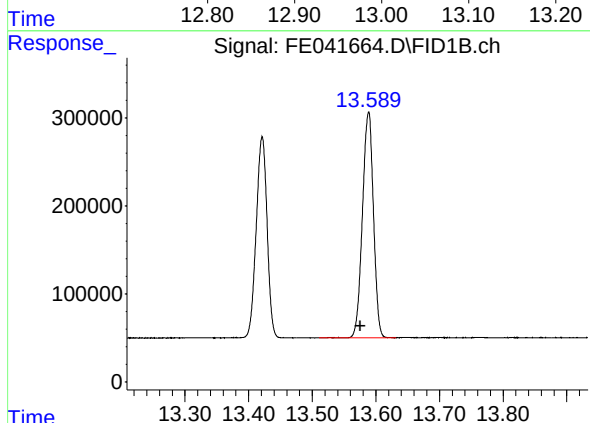
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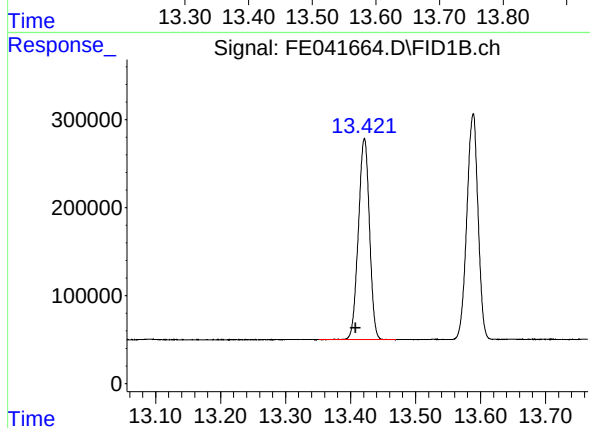
#10 n-Eicosane (C20)

R.T.: 12.976 min  
Delta R.T.: 0.012 min  
Response: 3137027  
Conc: 19.50 ug/ml



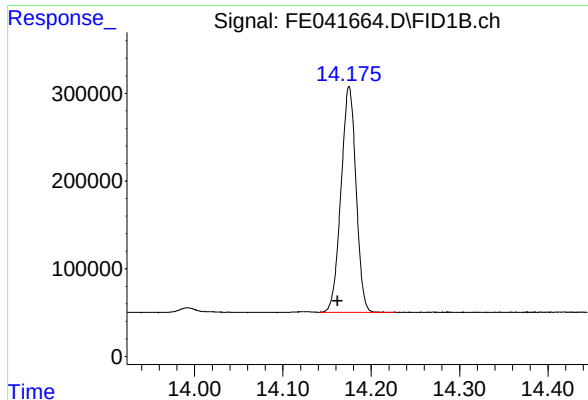
#11 n-Heneicosane (C21)

R.T.: 13.589 min  
Delta R.T.: 0.013 min  
Response: 3072565  
Conc: 19.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.421 min  
Delta R.T.: 0.014 min  
Response: 2714775  
Conc: 19.22 ug/ml



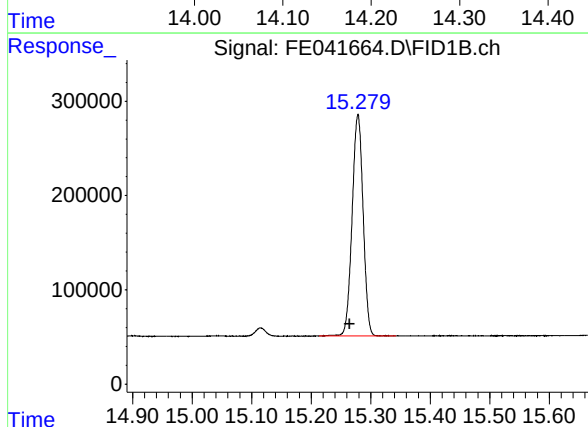
#13 n-Docosane (C22)

R.T.: 14.175 min  
Delta R.T.: 0.013 min  
Response: 3048283  
Conc: 19.13 ug/ml

Instrument :  
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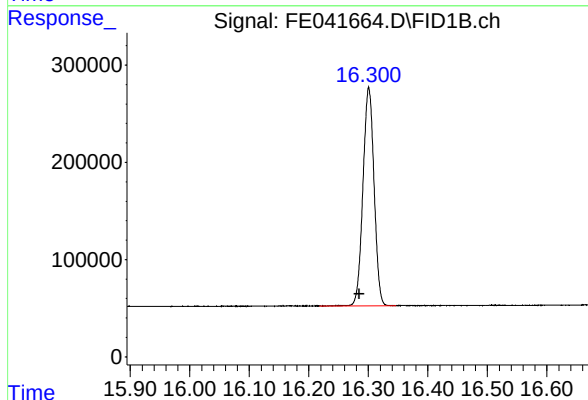
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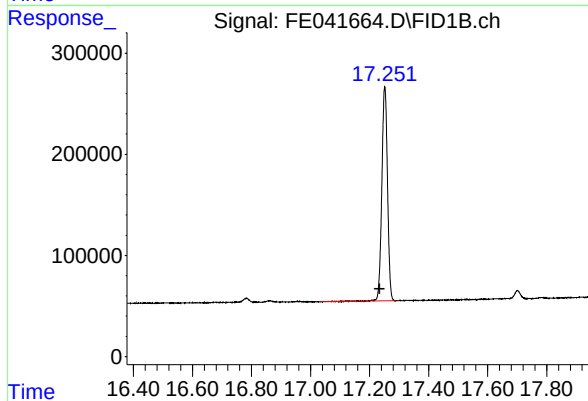
#14 n-Tetracosane (C24)

R.T.: 15.279 min  
Delta R.T.: 0.014 min  
Response: 3017657  
Conc: 18.72 ug/ml



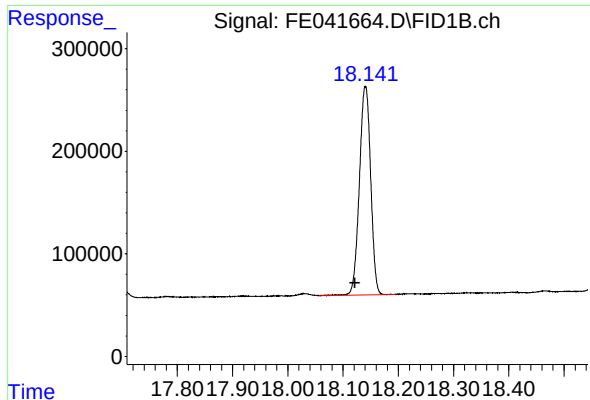
#15 n-Hexacosane (C26)

R.T.: 16.301 min  
Delta R.T.: 0.016 min  
Response: 2904794  
Conc: 18.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.252 min  
Delta R.T.: 0.018 min  
Response: 2832834  
Conc: 18.41 ug/ml



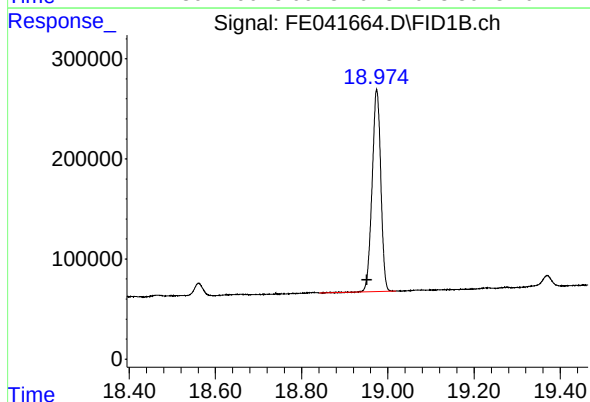
#17 n-Tricontane (C30)

R.T.: 18.140 min  
Delta R.T.: 0.019 min  
Response: 2886719  
Conc: 18.95 ug/ml

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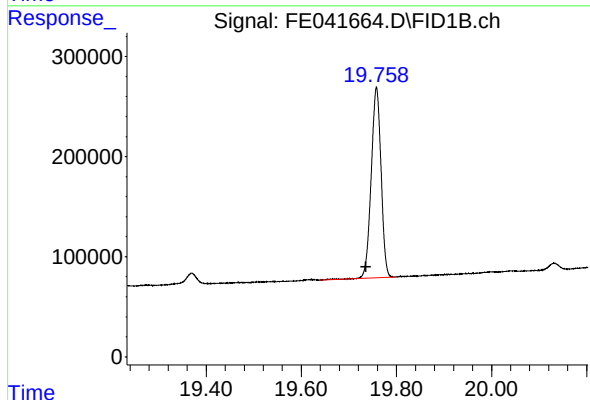
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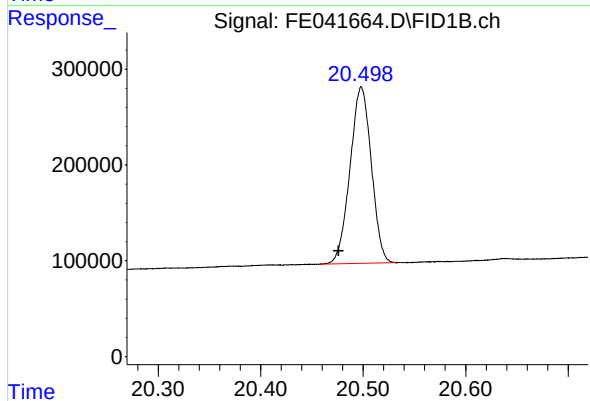
#18 n-Dotriacontane (C32)

R.T.: 18.974 min  
Delta R.T.: 0.022 min  
Response: 2822402  
Conc: 18.94 ug/ml



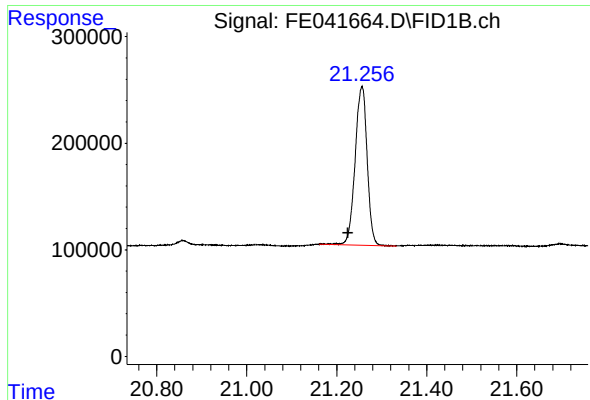
#19 n-Tetratriacontane (C34)

R.T.: 19.758 min  
Delta R.T.: 0.022 min  
Response: 2749905  
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.498 min  
Delta R.T.: 0.021 min  
Response: 2664307  
Conc: 19.92 ug/ml m



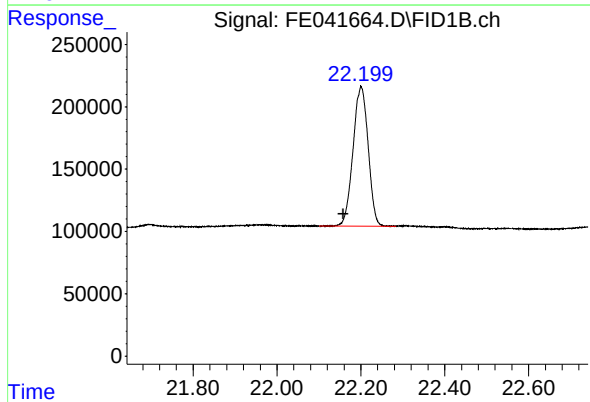
#21 n-Octatriacontane (C38)

R.T.: 21.256 min  
Delta R.T.: 0.032 min  
Response: 2763579  
Conc: 20.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.201 min  
Delta R.T.: 0.042 min  
Response: 2804941  
Conc: 22.15 ug/ml