

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102023AL\  
 Data File : FE044961.D  
 Signal(s) : FID1B.ch  
 Acq On : 20 Oct 2023 23:13  
 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 10/23/2023  
 Supervised By :Ankita Jodhani 10/23/2023

Integration File: autoint1.e  
 Quant Time: Oct 21 00:49:31 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101223.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 12 06:15:32 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)    | 11.901 | 3786072    | 18.886 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.77%        |
| 12) S 1-chlorooctadecane (S... | 13.343 | 2746967    | 18.562 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.12%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.284  | 3248370    | 19.364 ug/ml  |
| 2) T n-Decane (C10)            | 4.536  | 3317850    | 19.477 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.236  | 3557205    | 19.216 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.702  | 3348518    | 19.398 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.332  | 3432283    | 19.027 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.530  | 3303189    | 19.263 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.140 | 3344428    | 19.125 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.586 | 3310151    | 18.979 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.898 | 3147804    | 18.846 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.510 | 3039331    | 18.645 ug/ml  |
| 13) T n-Docosane (C22)         | 14.098 | 3056780    | 19.110 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.203 | 3095595    | 19.946 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.226 | 3121923    | 20.794 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.178 | 3220689    | 21.933 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.067 | 3385193    | 22.761 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.902 | 3426950    | 22.832 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.687 | 3226080    | 21.671 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.429 | 3351167    | 21.798 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.169 | 3484678    | 22.308 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.087 | 3340169    | 19.986 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

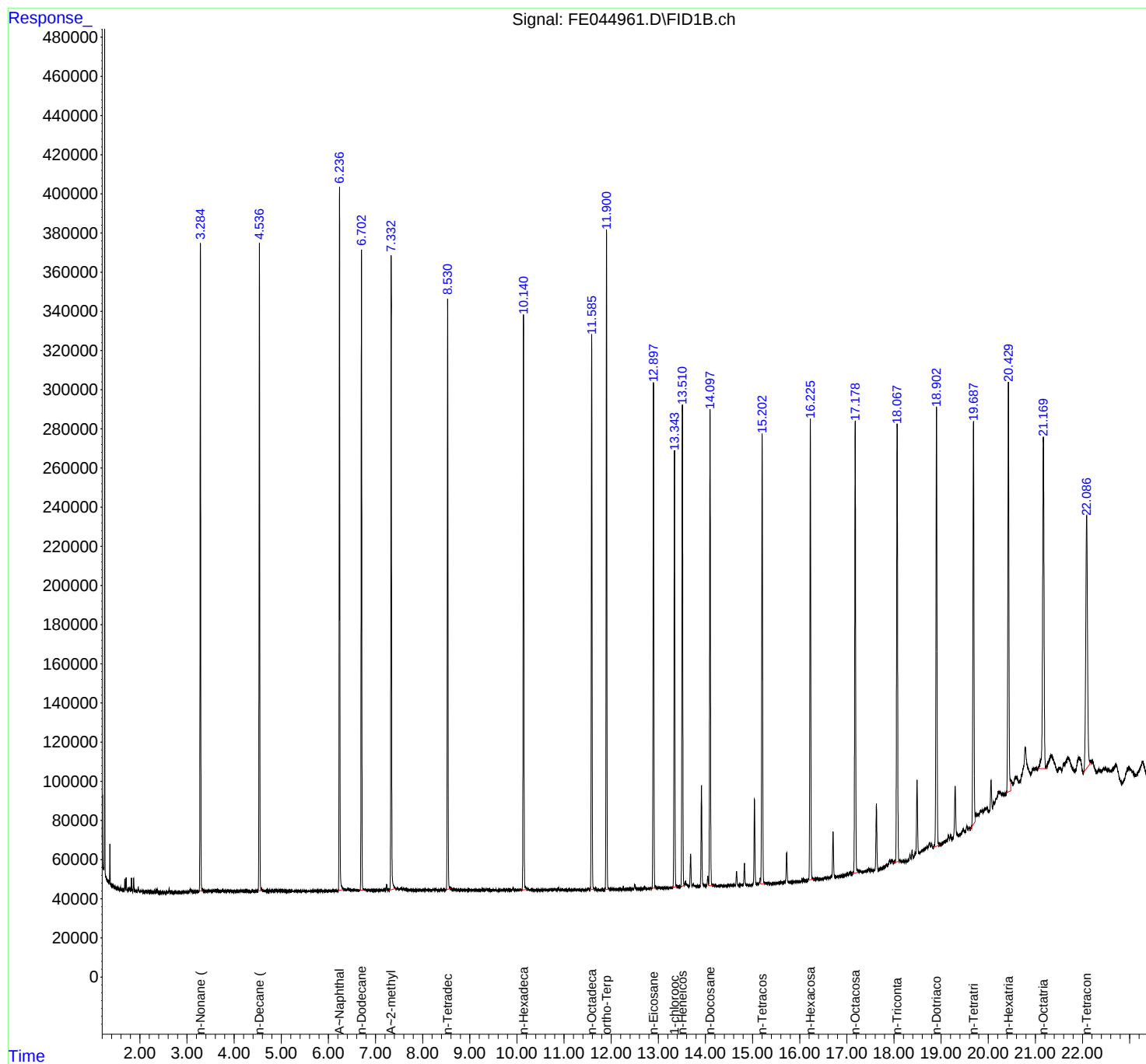
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

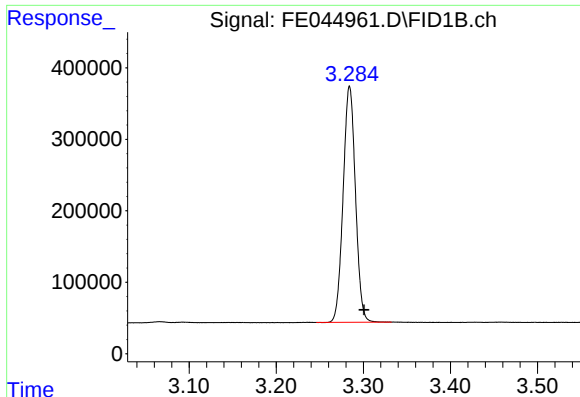
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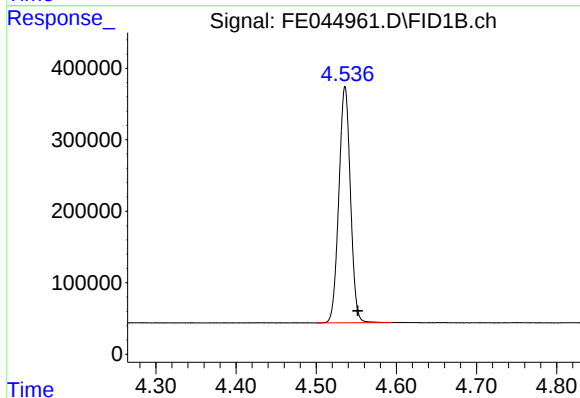
#1 n-Nonane (C9)

R.T.: 3.284 min  
Delta R.T.: -0.017 min  
Response: 3248370  
Conc: 19.36 ug/ml

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

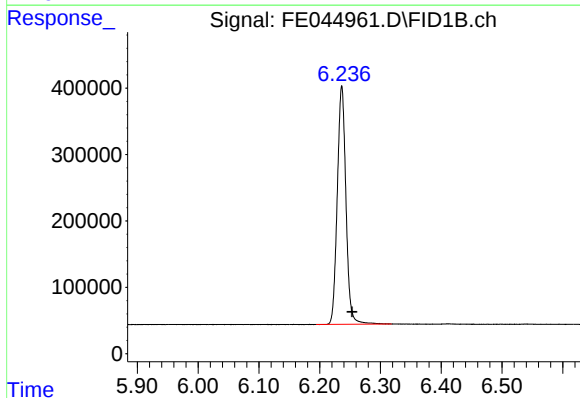
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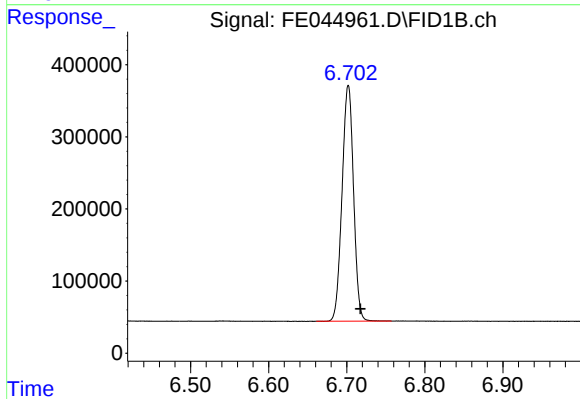
#2 n-Decane (C10)

R.T.: 4.536 min  
Delta R.T.: -0.016 min  
Response: 3317850  
Conc: 19.48 ug/ml



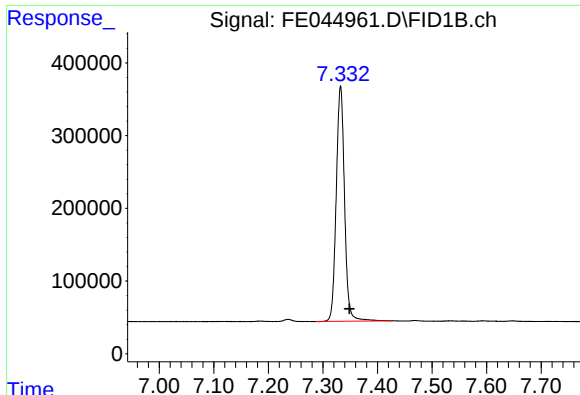
#3 A~Naphthalene (C11.7)

R.T.: 6.236 min  
Delta R.T.: -0.017 min  
Response: 3557205  
Conc: 19.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.702 min  
Delta R.T.: -0.016 min  
Response: 3348518  
Conc: 19.40 ug/ml



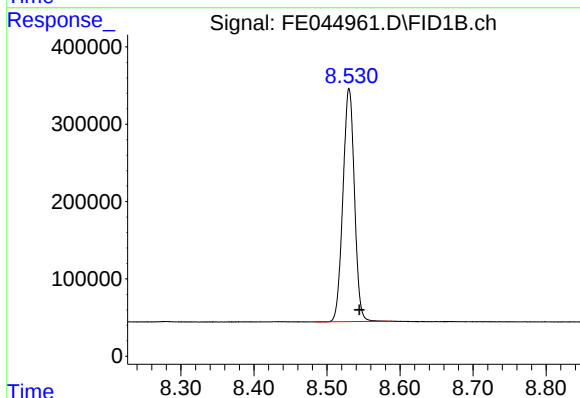
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.332 min  
Delta R.T.: -0.016 min  
Response: 3432283  
Conc: 19.03 ug/ml

Instrument :  
FID\_E  
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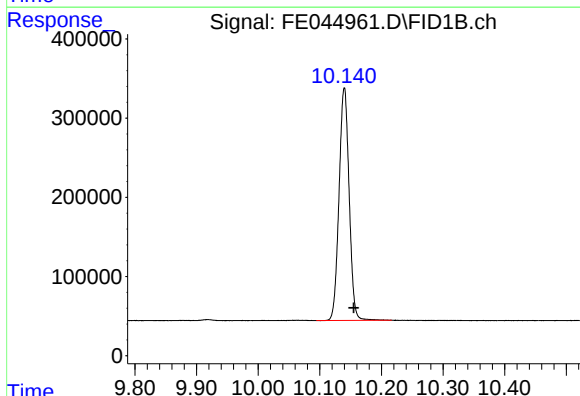
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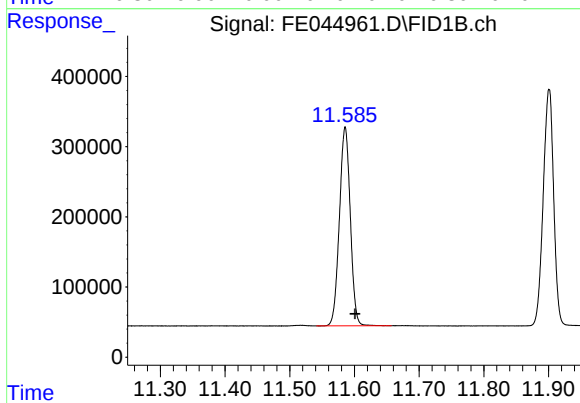
#6 n-Tetradecane (C14)

R.T.: 8.530 min  
Delta R.T.: -0.014 min  
Response: 3303189  
Conc: 19.26 ug/ml



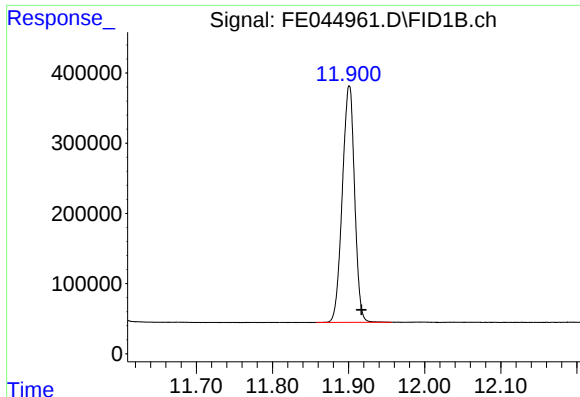
#7 n-Hexadecane (C16)

R.T.: 10.140 min  
Delta R.T.: -0.015 min  
Response: 3344428  
Conc: 19.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.586 min  
Delta R.T.: -0.015 min  
Response: 3310151  
Conc: 18.98 ug/ml



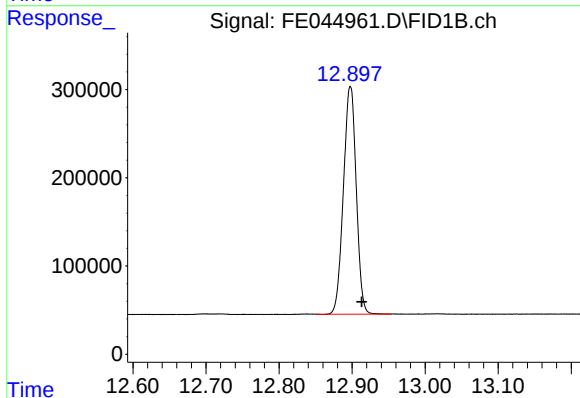
#9 ortho-Terphenyl (SURR)

R.T.: 11.901 min  
Delta R.T.: -0.016 min  
Response: 3786072  
Conc: 18.89 ug/ml

Instrument :  
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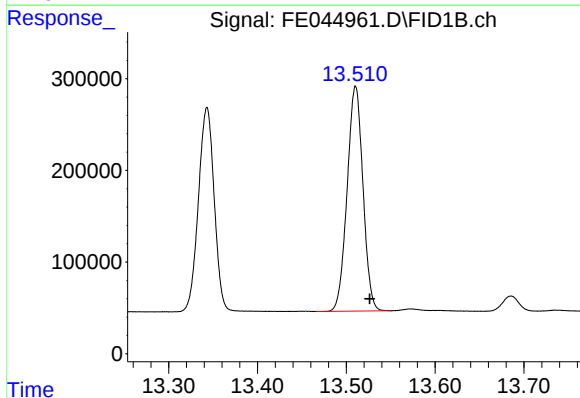
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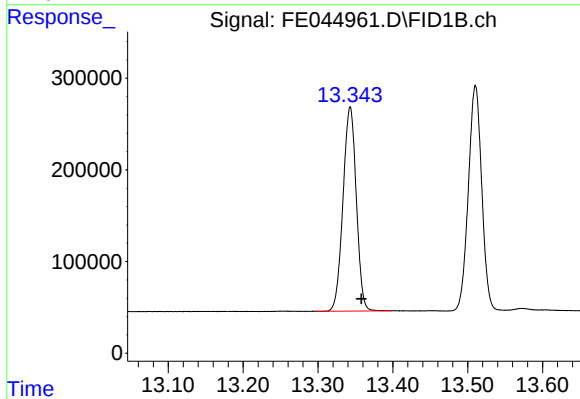
#10 n-Eicosane (C20)

R.T.: 12.898 min  
Delta R.T.: -0.016 min  
Response: 3147804  
Conc: 18.85 ug/ml



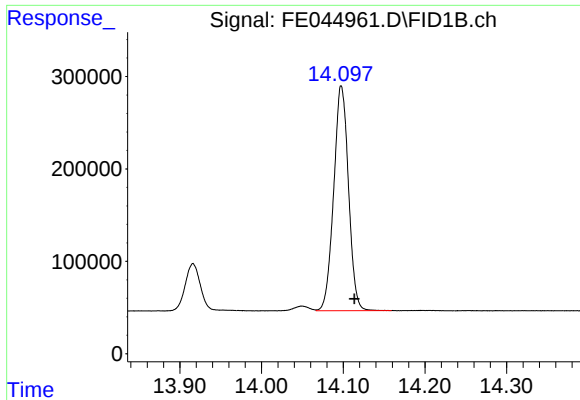
#11 n-Heneicosane (C21)

R.T.: 13.510 min  
Delta R.T.: -0.016 min  
Response: 3039331  
Conc: 18.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.343 min  
Delta R.T.: -0.015 min  
Response: 2746967  
Conc: 18.56 ug/ml



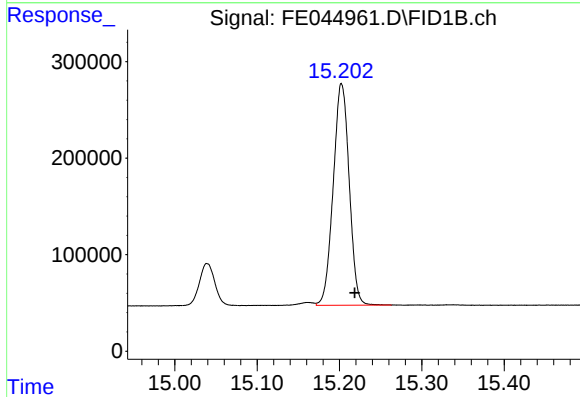
#13 n-Docosane (C22)

R.T.: 14.098 min  
Delta R.T.: -0.016 min  
Response: 3056780  
Conc: 19.11 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

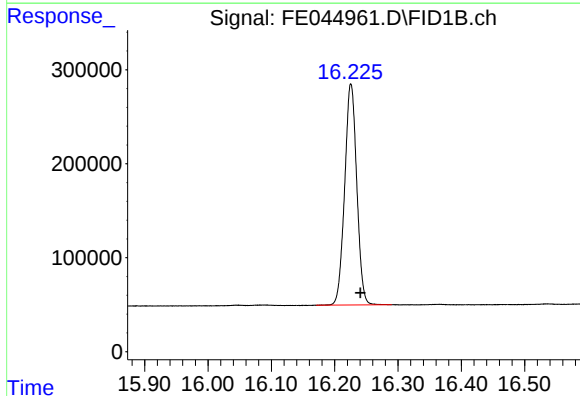
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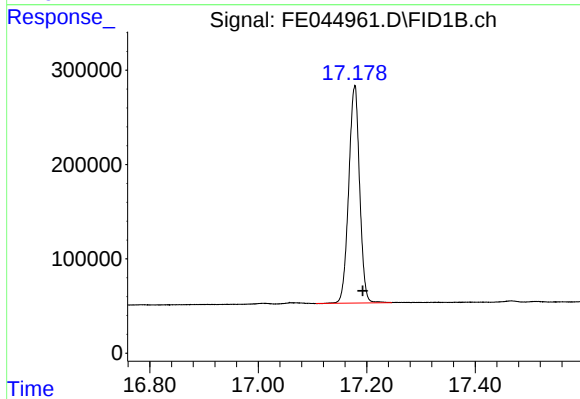
#14 n-Tetracosane (C24)

R.T.: 15.203 min  
Delta R.T.: -0.016 min  
Response: 3095595  
Conc: 19.95 ug/ml



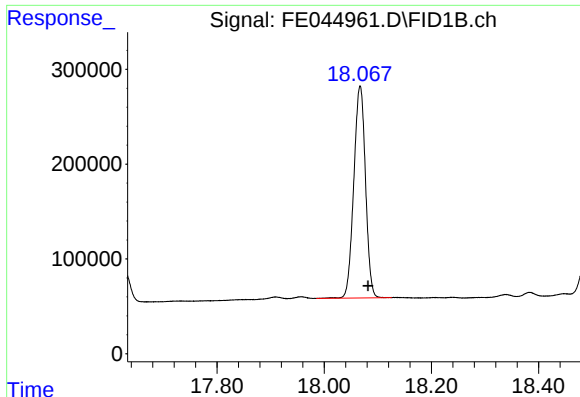
#15 n-Hexacosane (C26)

R.T.: 16.226 min  
Delta R.T.: -0.015 min  
Response: 3121923  
Conc: 20.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.178 min  
Delta R.T.: -0.014 min  
Response: 3220689  
Conc: 21.93 ug/ml



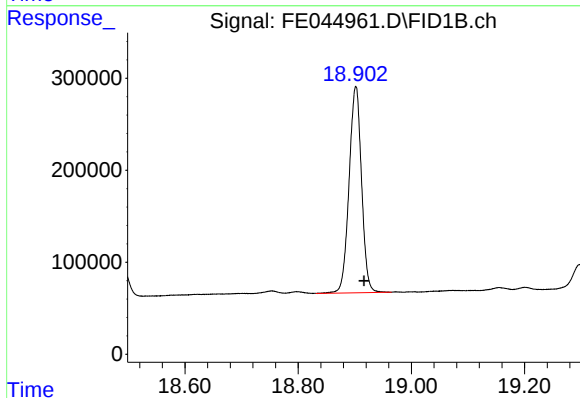
#17 n-Tricontane (C30)

R.T.: 18.067 min  
Delta R.T.: -0.015 min  
Response: 3385193  
Conc: 22.76 ug/ml

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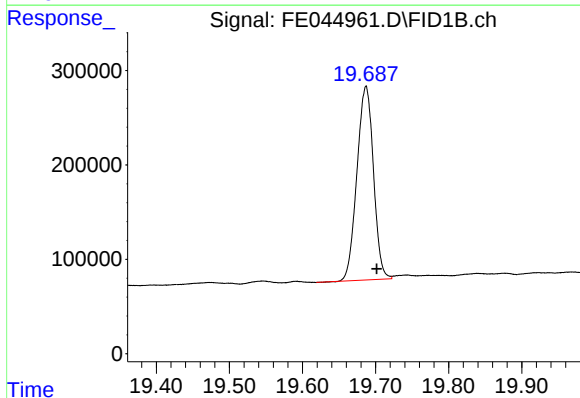
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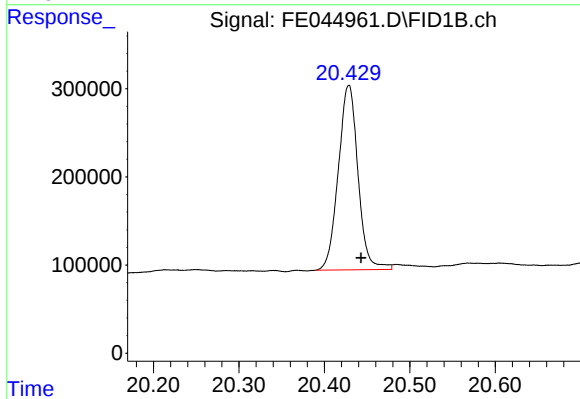
#18 n-Dotriacontane (C32)

R.T.: 18.902 min  
Delta R.T.: -0.014 min  
Response: 3426950  
Conc: 22.83 ug/ml



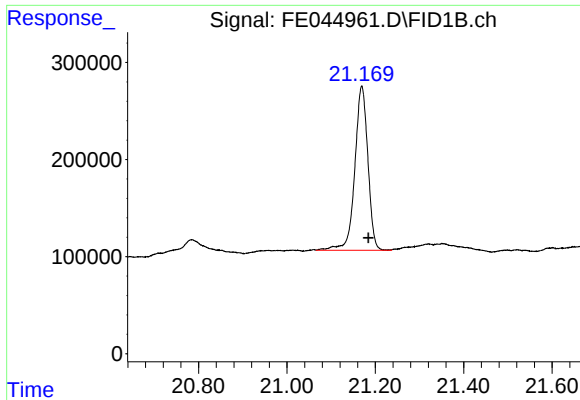
#19 n-Tetratriacontane (C34)

R.T.: 19.687 min  
Delta R.T.: -0.015 min  
Response: 3226080  
Conc: 21.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.429 min  
Delta R.T.: -0.014 min  
Response: 3351167  
Conc: 21.80 ug/ml



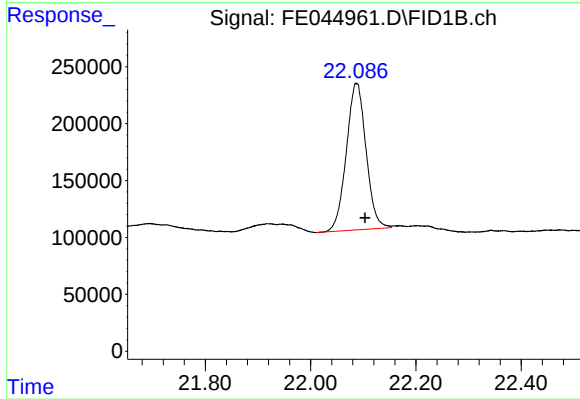
#21 n-Octatriacontane (C38)

R.T.: 21.169 min  
Delta R.T.: -0.015 min  
Response: 3484678  
Conc: 22.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min  
Delta R.T.: -0.016 min  
Response: 3340169  
Conc: 19.99 ug/ml