

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE030923AL\  
 Data File : FE040753.D  
 Signal(s) : FID1B.ch  
 Acq On : 10 Mar 2023 04:51  
 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 03/10/2023  
 Supervised By :Ankita Jodhani 03/10/2023

Integration File: autoint1.e  
 Quant Time: Mar 10 05:16:09 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)    | 11.880 | 3492634    | 18.696 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.39%        |
| 12) S 1-chlorooctadecane (S... | 13.320 | 2707440    | 18.293 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.59%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.276  | 3206149    | 20.836 ug/ml  |
| 2) T n-Decane (C10)            | 4.523  | 3193333    | 21.226 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.226  | 3499482    | 21.098 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.688  | 3241694    | 21.175 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.322  | 3235940    | 21.381 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.515  | 3270682    | 21.162 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.122 | 3340750    | 20.683 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.565 | 3352160    | 19.742 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.875 | 3223918    | 19.057 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.486 | 3165724    | 18.474 ug/ml  |
| 13) T n-Docosane (C22)         | 14.073 | 3162328    | 18.459 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.177 | 3206076    | 18.598 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.200 | 3138328    | 18.465 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.150 | 3245324    | 19.351 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.038 | 3411683    | 20.894 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.872 | 3472362    | 20.288 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.657 | 3149899    | 20.373 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.399 | 2908428    | 20.020 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.129 | 2704661    | 19.676 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.022 | 2919639    | 18.895 ug/mlm |
| -----                          |        |            |               |

(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

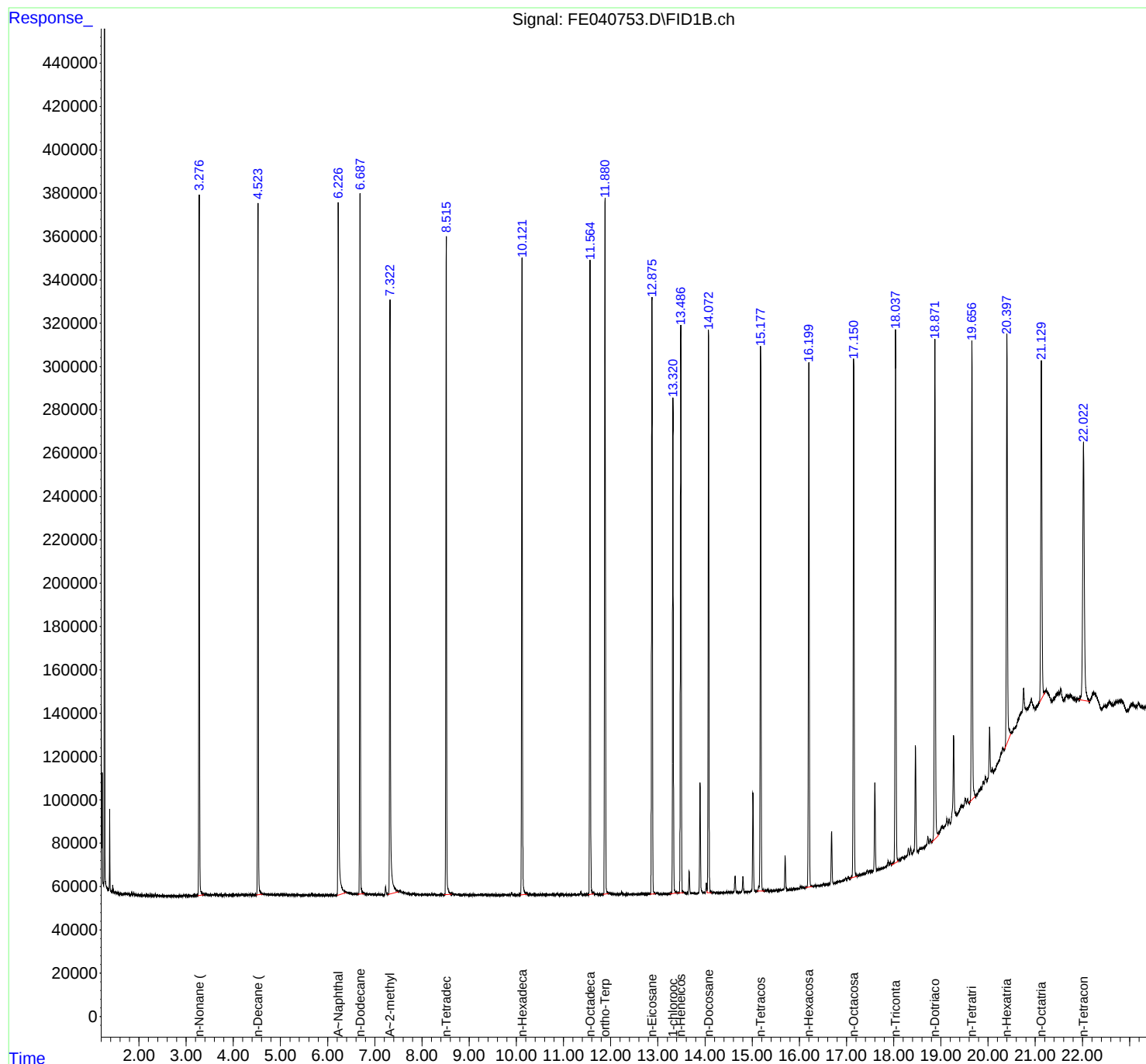
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

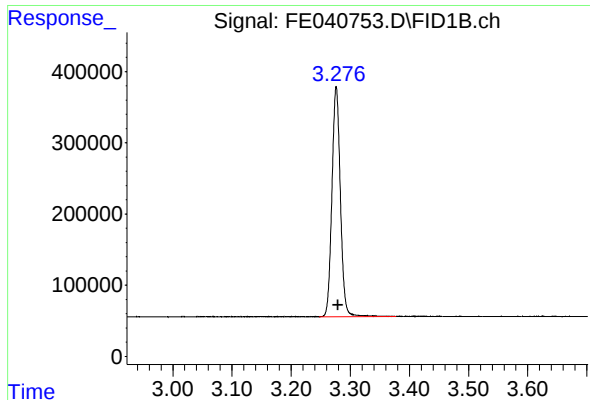
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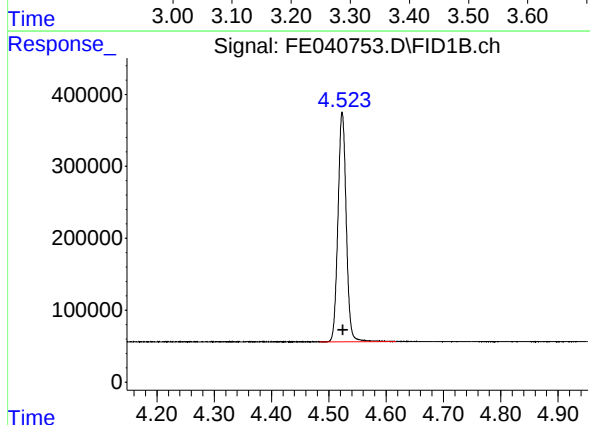
#1 n-Nonane (C9)

R.T.: 3.276 min  
Delta R.T.: -0.003 min  
Response: 3206149  
Conc: 20.84 ug/ml

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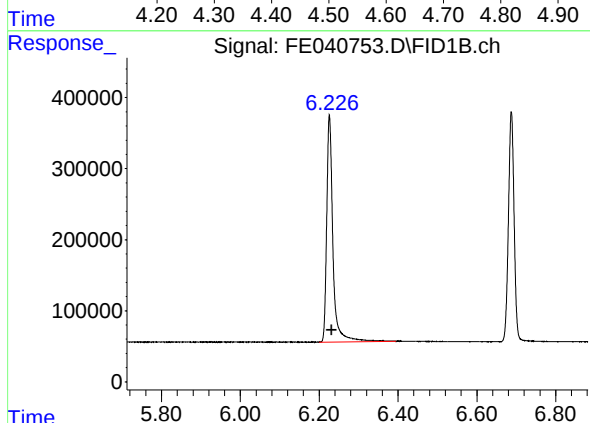
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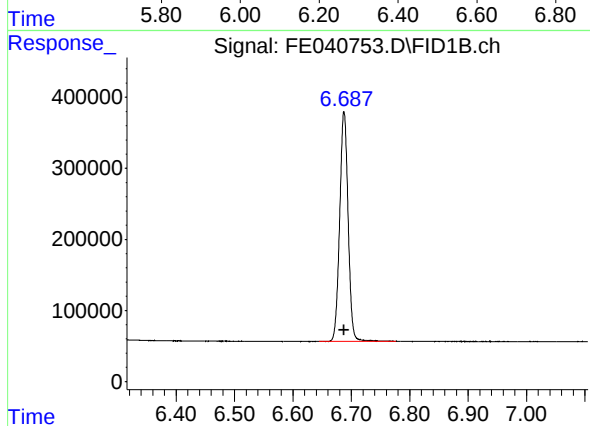
#2 n-Decane (C10)

R.T.: 4.523 min  
Delta R.T.: -0.002 min  
Response: 3193333  
Conc: 21.23 ug/ml



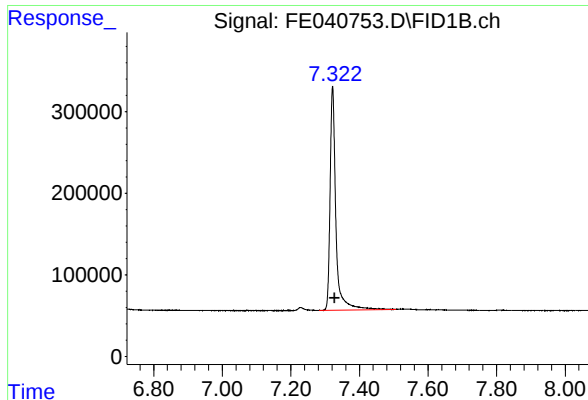
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min  
Delta R.T.: -0.005 min  
Response: 3499482  
Conc: 21.10 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.688 min  
Delta R.T.: 0.000 min  
Response: 3241694  
Conc: 21.18 ug/ml



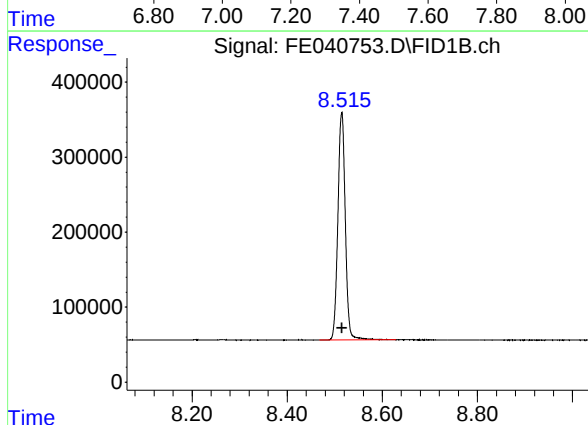
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min  
Delta R.T.: -0.007 min  
Response: 3235940  
Conc: 21.38 ug/ml

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20 PPM ALIPHATIC HC STD

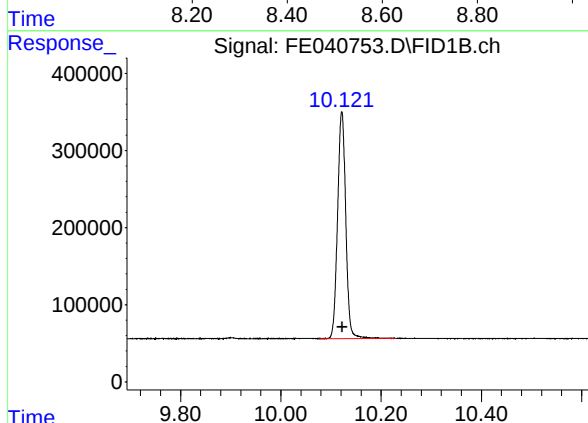
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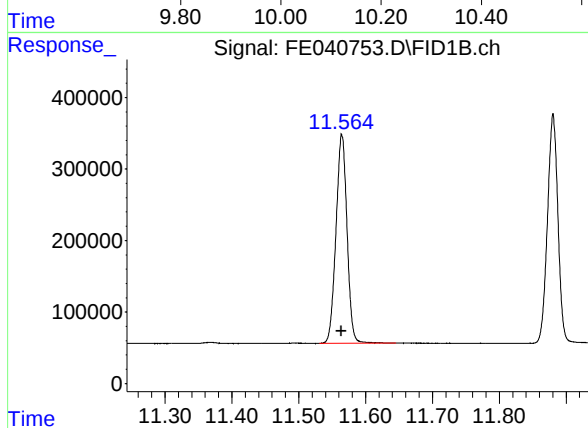
#6 n-Tetradecane (C14)

R.T.: 8.515 min  
Delta R.T.: 0.000 min  
Response: 3270682  
Conc: 21.16 ug/ml



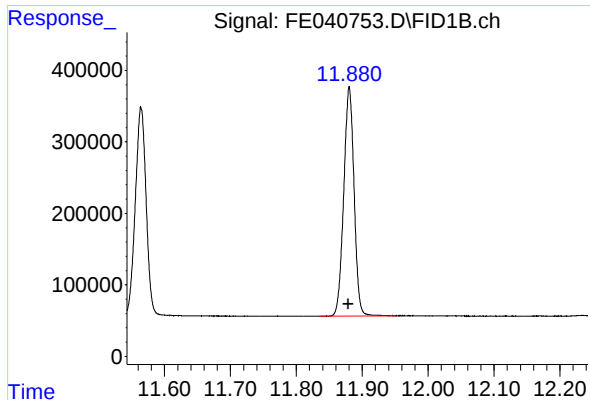
#7 n-Hexadecane (C16)

R.T.: 10.122 min  
Delta R.T.: 0.000 min  
Response: 3340750  
Conc: 20.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.565 min  
Delta R.T.: 0.001 min  
Response: 3352160  
Conc: 19.74 ug/ml



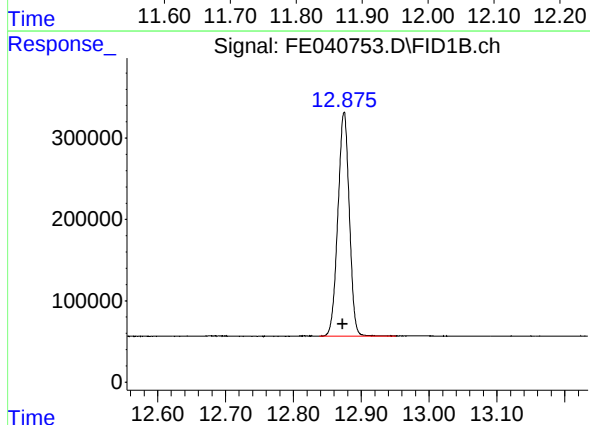
#9 ortho-Terphenyl (SURR)

R.T.: 11.880 min  
Delta R.T.: 0.002 min  
Response: 3492634  
Conc: 18.70 ug/ml

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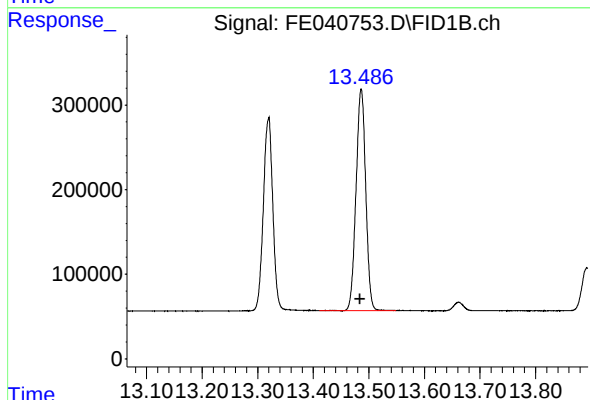
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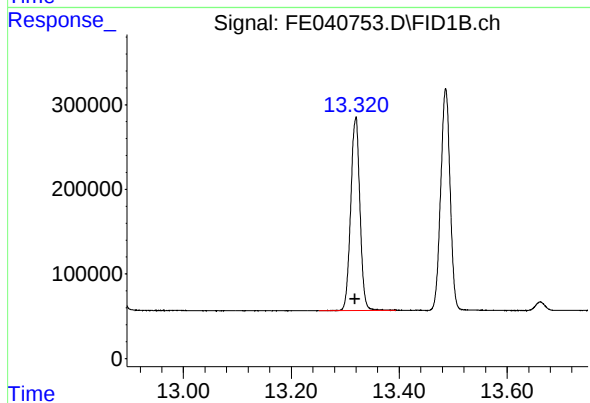
#10 n-Eicosane (C20)

R.T.: 12.875 min  
Delta R.T.: 0.002 min  
Response: 3223918  
Conc: 19.06 ug/ml



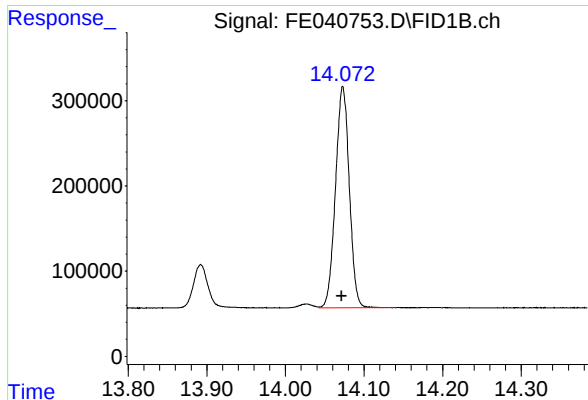
#11 n-Heneicosane (C21)

R.T.: 13.486 min  
Delta R.T.: 0.002 min  
Response: 3165724  
Conc: 18.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min  
Delta R.T.: 0.002 min  
Response: 2707440  
Conc: 18.29 ug/ml



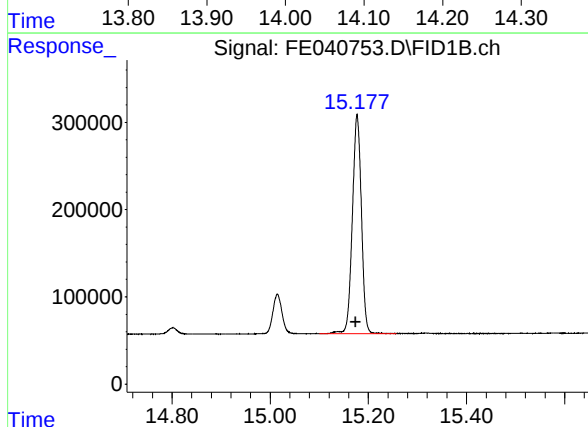
#13 n-Docosane (C22)

R.T.: 14.073 min  
Delta R.T.: 0.001 min  
Response: 3162328  
Conc: 18.46 ug/ml

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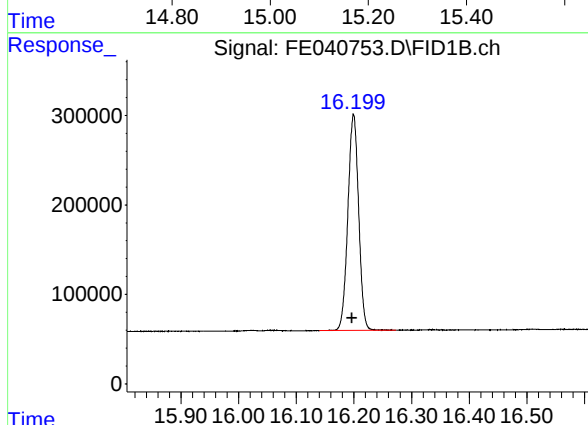
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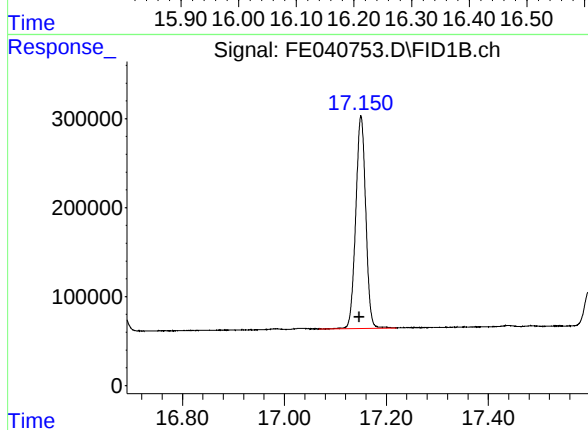
#14 n-Tetracosane (C24)

R.T.: 15.177 min  
Delta R.T.: 0.003 min  
Response: 3206076  
Conc: 18.60 ug/ml



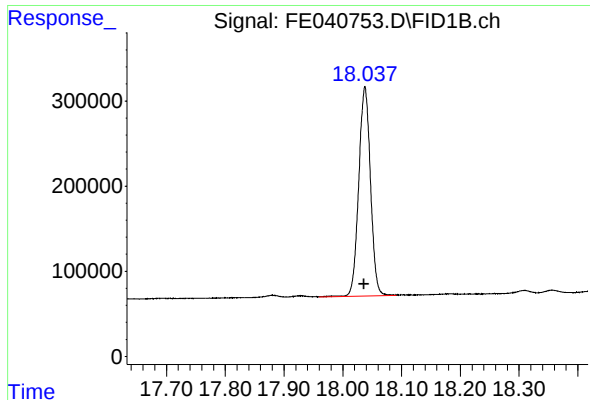
#15 n-Hexacosane (C26)

R.T.: 16.200 min  
Delta R.T.: 0.003 min  
Response: 3138328  
Conc: 18.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min  
Delta R.T.: 0.003 min  
Response: 3245324  
Conc: 19.35 ug/ml



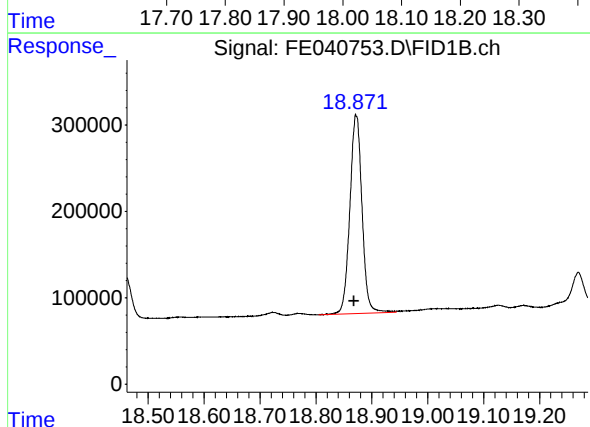
#17 n-Tricontane (C30)

R.T.: 18.038 min  
Delta R.T.: 0.002 min  
Response: 3411683  
Conc: 20.89 ug/ml

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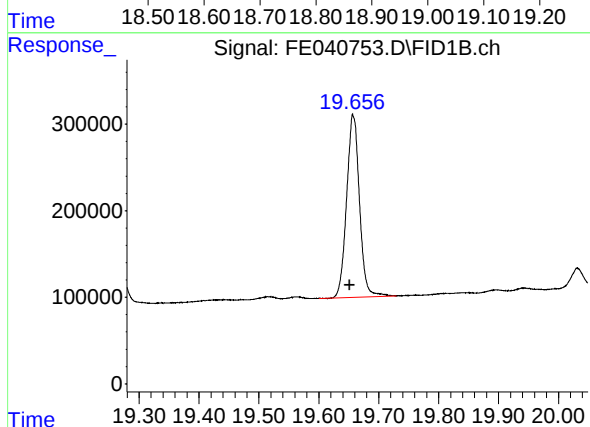
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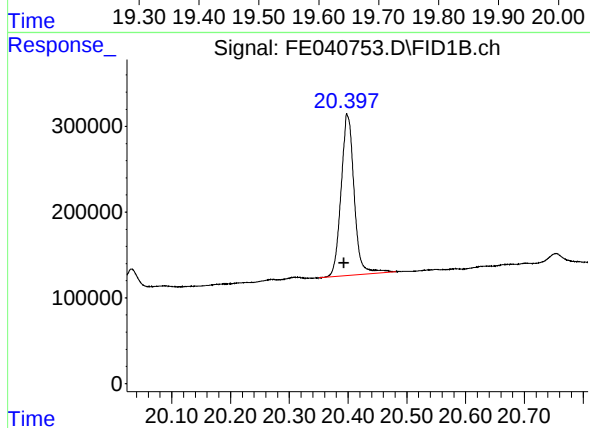
#18 n-Dotriacontane (C32)

R.T.: 18.872 min  
Delta R.T.: 0.004 min  
Response: 3472362  
Conc: 20.29 ug/ml



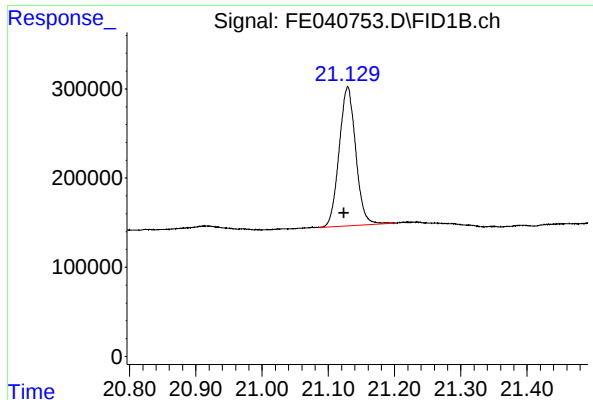
#19 n-Tetratriacontane (C34)

R.T.: 19.657 min  
Delta R.T.: 0.005 min  
Response: 3149899  
Conc: 20.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.399 min  
Delta R.T.: 0.006 min  
Response: 2908428  
Conc: 20.02 ug/ml



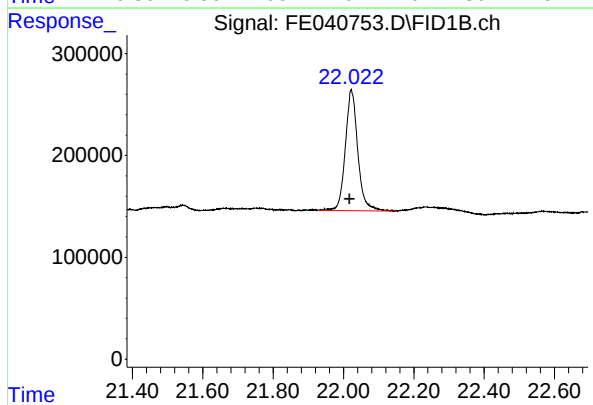
#21 n-Octatriacontane (C38)

R.T.: 21.129 min  
Delta R.T.: 0.005 min  
Response: 2704661  
Conc: 19.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.022 min  
Delta R.T.: 0.003 min  
Response: 2919639  
Conc: 18.89 ug/ml m