

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE100522AL\  
 Data File : FE037946.D  
 Signal(s) : FID1B.ch  
 Acq On : 05 Oct 2022 09:44  
 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 10/06/2022  
 Supervised By :Ankita Jodhani 10/06/2022

Integration File: sample.E  
 Quant Time: Oct 06 05:03:51 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 092822.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 28 06:23:29 2022  
 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)    | 11.608 | 3461437    | 20.013 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.03%        |
| 12) S 1-chlorooctadecane (S... | 13.031 | 2690339    | 19.904 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.81%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.004  | 3142321    | 21.336 ug/ml  |
| 2) T n-Decane (C10)            | 4.261  | 3209164    | 21.706 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.978  | 3084433    | 22.524 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.433  | 3281404    | 21.534 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.071  | 2911391    | 21.905 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.252  | 3279070    | 21.425 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.851  | 3299811    | 21.126 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.286 | 3300580    | 20.577 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.587 | 3278426    | 20.104 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.196 | 3253794    | 19.748 ug/ml  |
| 13) T n-Docosane (C22)         | 13.779 | 3269249    | 19.860 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.876 | 3184614    | 19.418 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.892 | 3077105    | 18.871 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.835 | 3039566    | 18.974 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.718 | 3115379    | 19.468 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.547 | 3098164    | 19.675 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.326 | 2910622    | 19.646 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.062 | 2809500    | 19.488 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.759 | 2956965    | 21.790 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.531 | 2951238    | 23.184 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

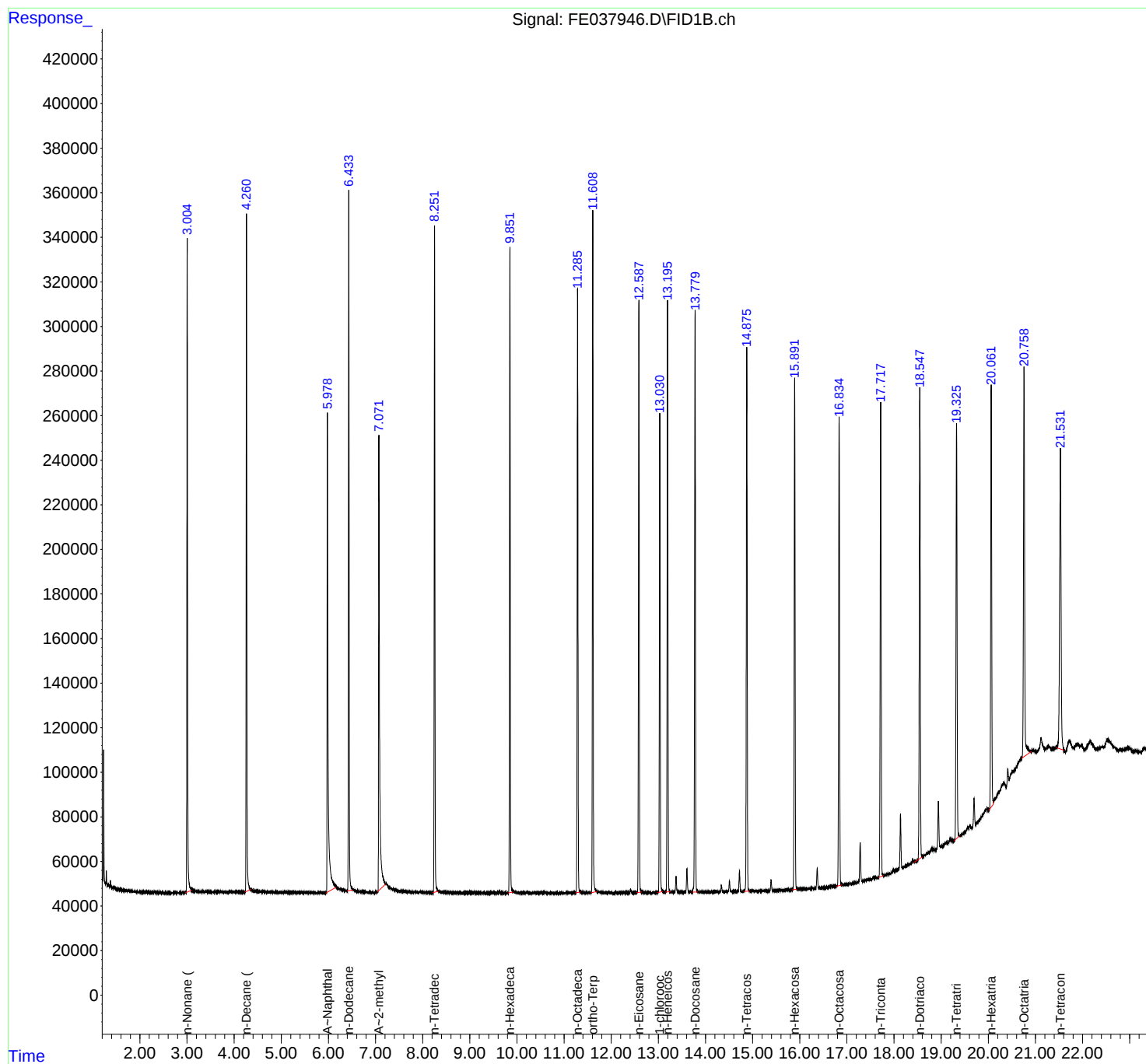
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

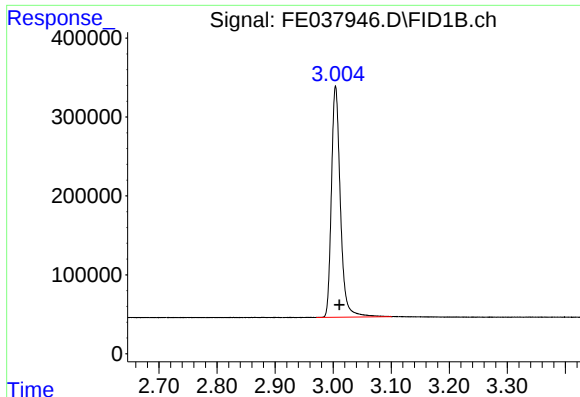
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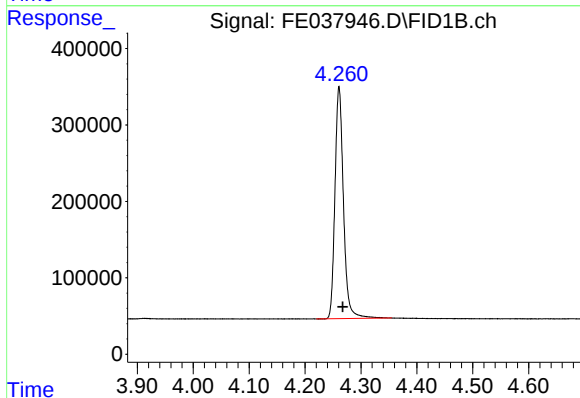
#1 n-Nonane (C9)

R.T.: 3.004 min  
Delta R.T.: -0.007 min  
Response: 3142321  
Conc: 21.34 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

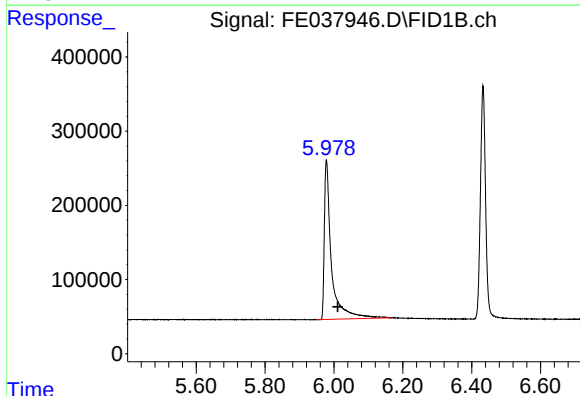
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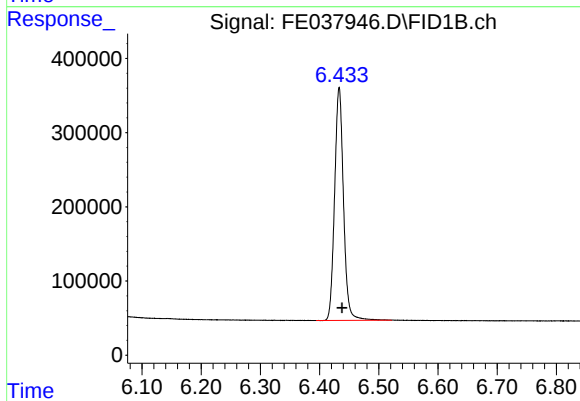
#2 n-Decane (C10)

R.T.: 4.261 min  
Delta R.T.: -0.007 min  
Response: 3209164  
Conc: 21.71 ug/ml



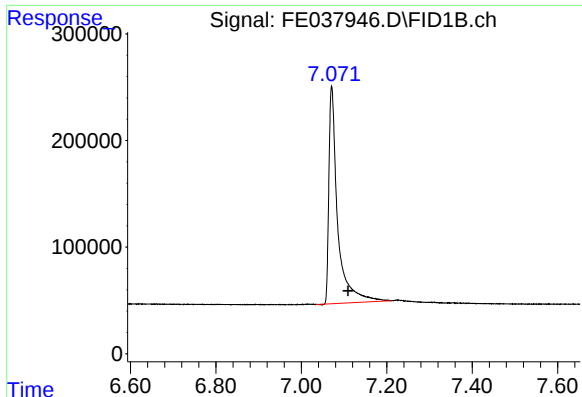
#3 A~Naphthalene (C11.7)

R.T.: 5.978 min  
Delta R.T.: -0.033 min  
Response: 3084433  
Conc: 22.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.433 min  
Delta R.T.: -0.005 min  
Response: 3281404  
Conc: 21.53 ug/ml



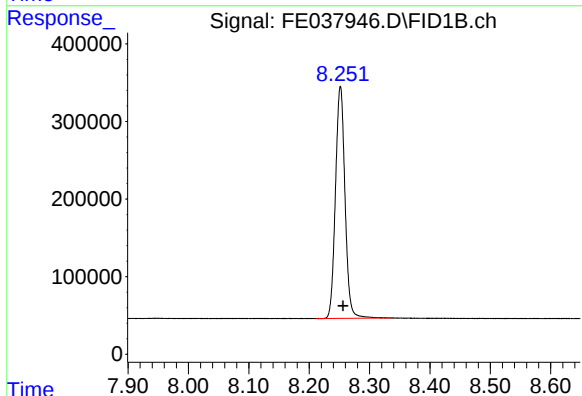
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.071 min  
Delta R.T.: -0.039 min  
Response: 2911391  
Conc: 21.91 ug/ml

Instrument :  
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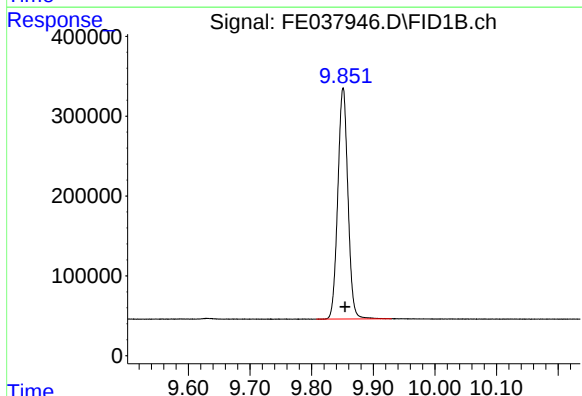
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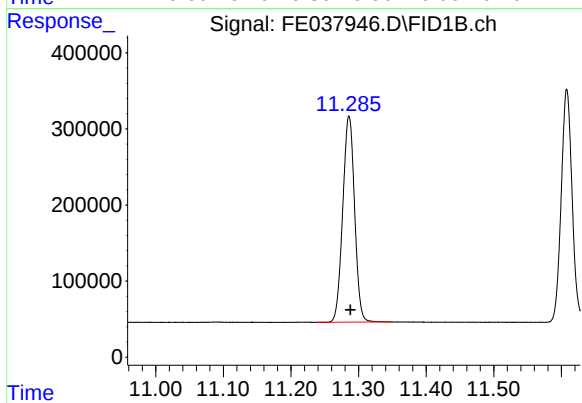
#6 n-Tetradecane (C14)

R.T.: 8.252 min  
Delta R.T.: -0.004 min  
Response: 3279070  
Conc: 21.42 ug/ml



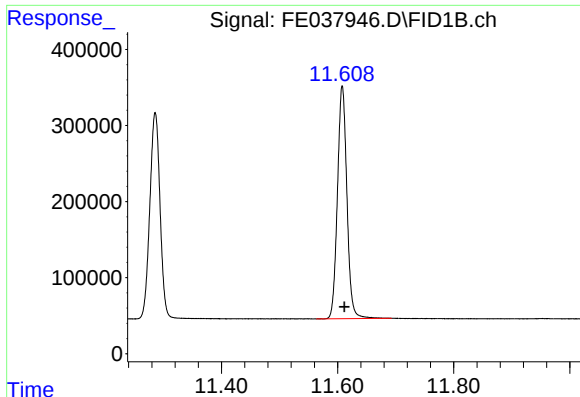
#7 n-Hexadecane (C16)

R.T.: 9.851 min  
Delta R.T.: -0.003 min  
Response: 3299811  
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.286 min  
Delta R.T.: -0.002 min  
Response: 3300580  
Conc: 20.58 ug/ml



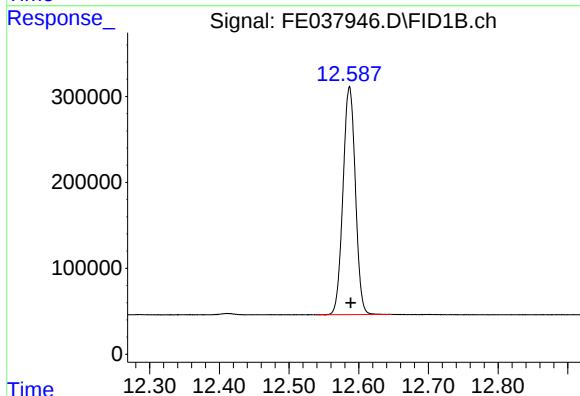
#9 ortho-Terphenyl (SURR)

R.T.: 11.608 min  
Delta R.T.: -0.004 min  
Response: 3461437  
Conc: 20.01 ug/ml

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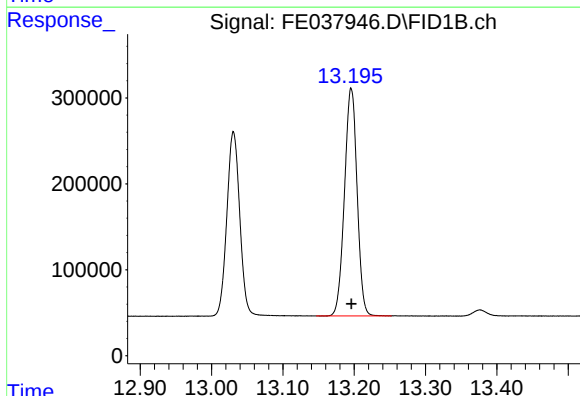
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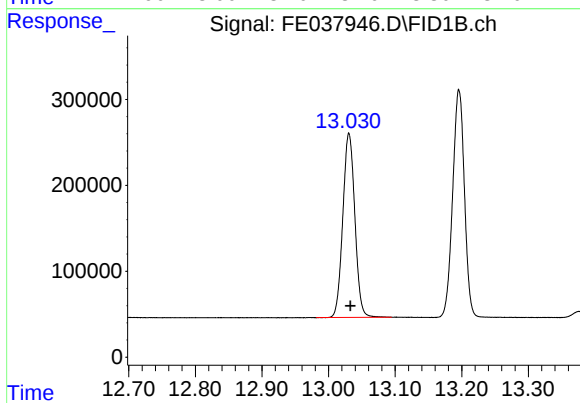
#10 n-Eicosane (C20)

R.T.: 12.587 min  
Delta R.T.: -0.002 min  
Response: 3278426  
Conc: 20.10 ug/ml



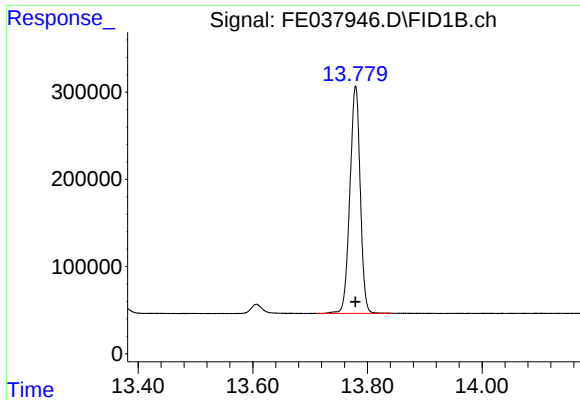
#11 n-Heneicosane (C21)

R.T.: 13.196 min  
Delta R.T.: 0.000 min  
Response: 3253794  
Conc: 19.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.031 min  
Delta R.T.: -0.002 min  
Response: 2690339  
Conc: 19.90 ug/ml



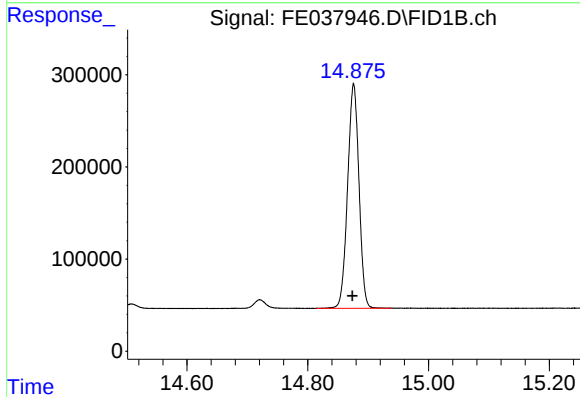
#13 n-Docosane (C22)

R.T.: 13.779 min  
Delta R.T.: 0.000 min  
Response: 3269249  
Conc: 19.86 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

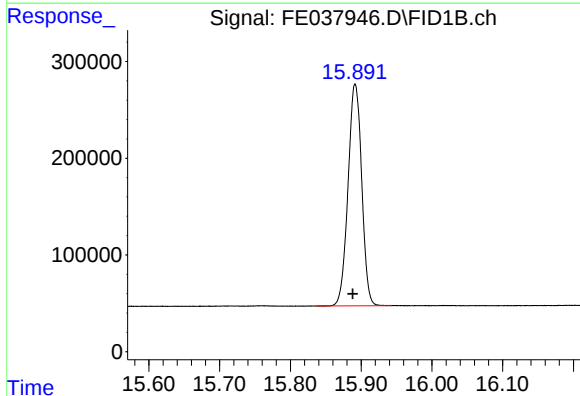
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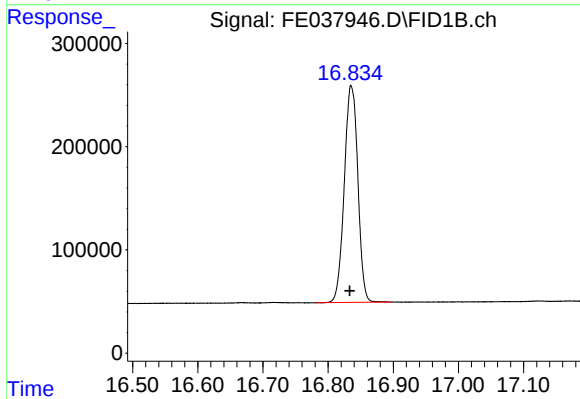
#14 n-Tetracosane (C24)

R.T.: 14.876 min  
Delta R.T.: 0.002 min  
Response: 3184614  
Conc: 19.42 ug/ml



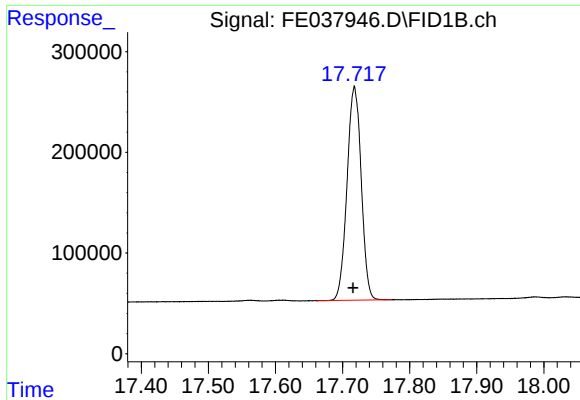
#15 n-Hexacosane (C26)

R.T.: 15.892 min  
Delta R.T.: 0.004 min  
Response: 3077105  
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.835 min  
Delta R.T.: 0.002 min  
Response: 3039566  
Conc: 18.97 ug/ml



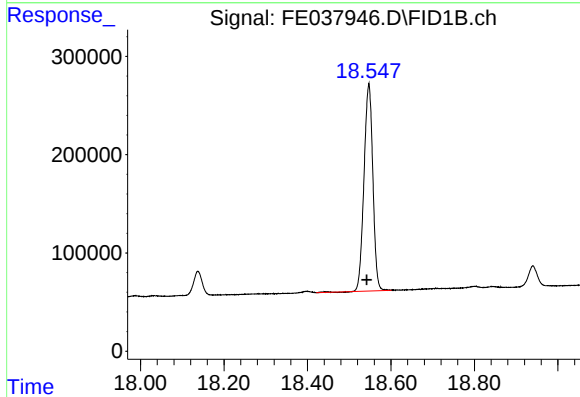
#17 n-Tricontane (C30)

R.T.: 17.718 min  
Delta R.T.: 0.002 min  
Response: 3115379  
Conc: 19.47 ug/ml

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20 PPM ALIPHATIC HC STD

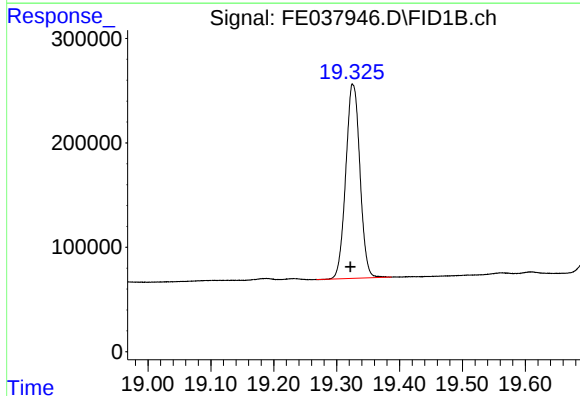
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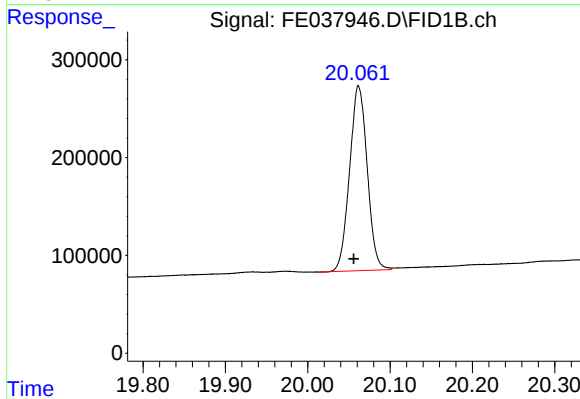
#18 n-Dotriacontane (C32)

R.T.: 18.547 min  
Delta R.T.: 0.005 min  
Response: 3098164  
Conc: 19.67 ug/ml



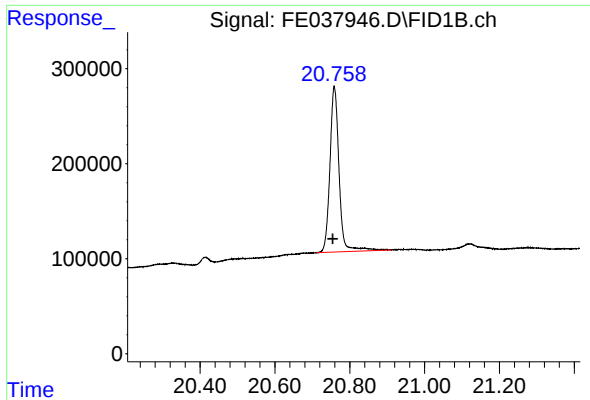
#19 n-Tetratriacontane (C34)

R.T.: 19.326 min  
Delta R.T.: 0.004 min  
Response: 2910622  
Conc: 19.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.062 min  
Delta R.T.: 0.006 min  
Response: 2809500  
Conc: 19.49 ug/ml



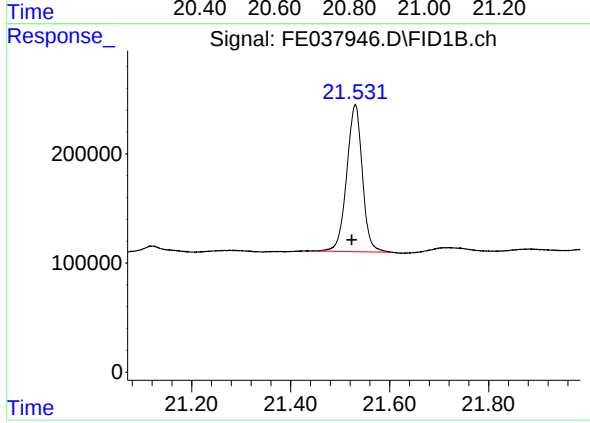
#21 n-Octatriacontane (C38)

R.T.: 20.759 min  
Delta R.T.: 0.004 min  
Response: 2956965  
Conc: 21.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.531 min  
Delta R.T.: 0.007 min  
Response: 2951238  
Conc: 23.18 ug/ml m