

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE090222AL\  
 Data File : FE037397.D  
 Signal(s) : FID1B.ch  
 Acq On : 02 Sep 2022 09:57  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/06/2022  
 Supervised By :Ankita Jodhani 09/06/2022

Integration File: autoint1.e  
 Quant Time: Sep 02 12:22:18 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 082922.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 30 06:54:11 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)    | 11.636 | 3285965    | 19.444 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.89%        |
| 12) S 1-chlorooctadecane (S... | 13.058 | 2499295    | 19.420 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.84%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.037  | 3119504    | 20.388 ug/ml  |
| 2) T n-Decane (C10)            | 4.293  | 3161354    | 20.505 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.008  | 3079717    | 21.376 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.462  | 3246704    | 20.532 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.101  | 2855694    | 20.454 ug/ml  |
| 6) T n-Tetradecane (C14)       | 9.879  | 3177711    | 20.055 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.879  | 3177711    | 20.055 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.314 | 3142072    | 19.731 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.615 | 3081131    | 19.474 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.223 | 3052620    | 19.358 ug/ml  |
| 13) T n-Docosane (C22)         | 13.806 | 2997269    | 19.254 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.903 | 2872955    | 19.102 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.919 | 2767540    | 19.112 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.862 | 2695433    | 19.456 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.745 | 2761666    | 20.302 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.573 | 2795568    | 20.935 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.352 | 2700824    | 21.346 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.087 | 2732093    | 21.243 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.784 | 2711779    | 21.788 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.562 | 2696593    | 20.918 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 5 Sample Multiplier: 1

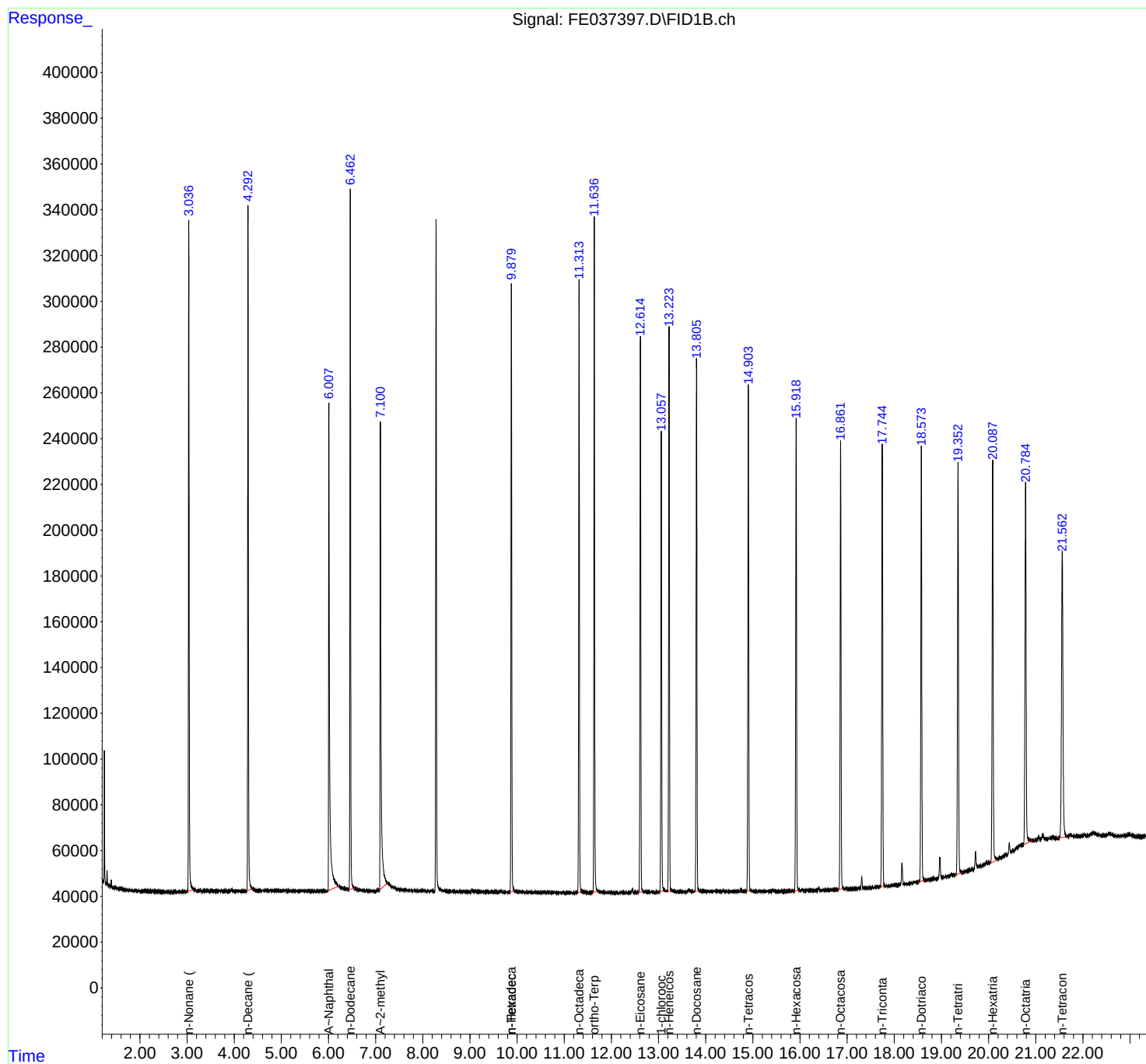
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

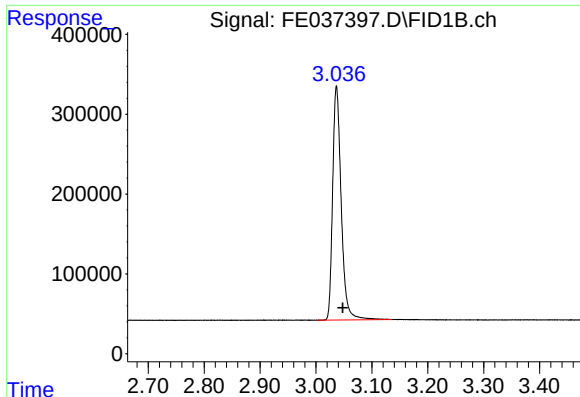
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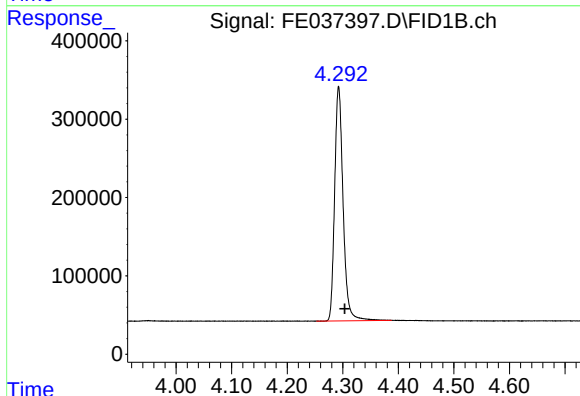
#1 n-Nonane (C9)

R.T.: 3.037 min  
Delta R.T.: -0.011 min  
Response: 3119504  
Conc: 20.39 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

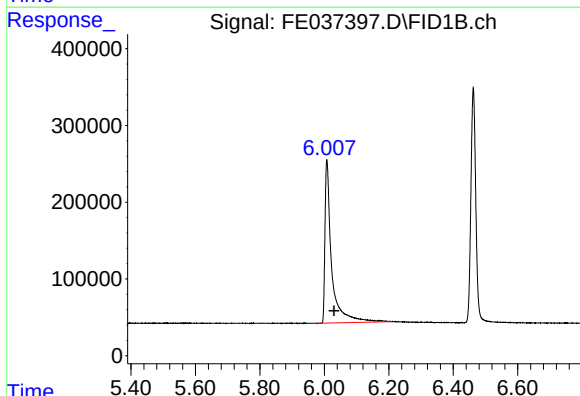
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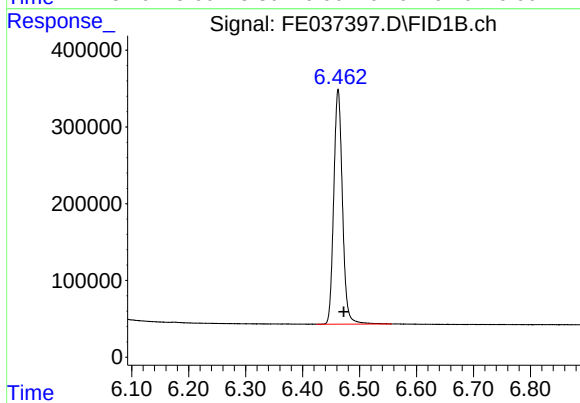
#2 n-Decane (C10)

R.T.: 4.293 min  
Delta R.T.: -0.011 min  
Response: 3161354  
Conc: 20.50 ug/ml



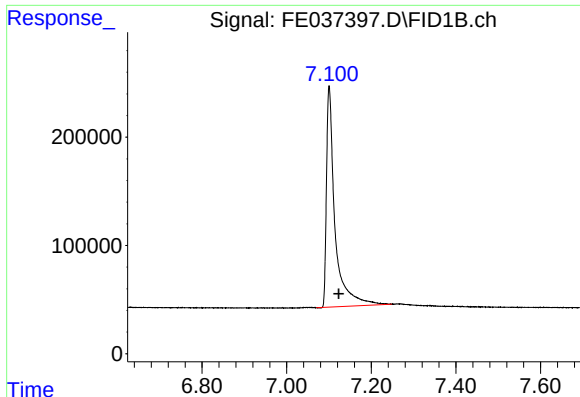
#3 A~Naphthalene (C11.7)

R.T.: 6.008 min  
Delta R.T.: -0.023 min  
Response: 3079717  
Conc: 21.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.462 min  
Delta R.T.: -0.010 min  
Response: 3246704  
Conc: 20.53 ug/ml



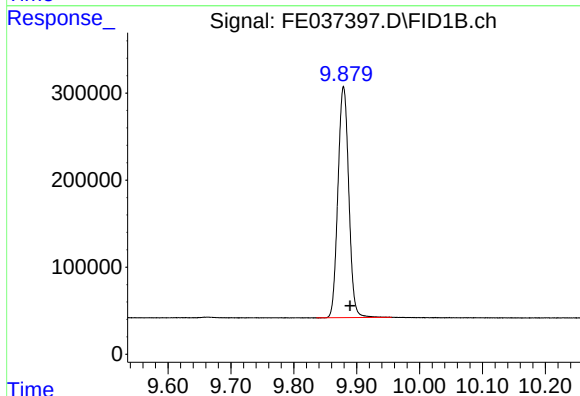
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.101 min  
Delta R.T.: -0.023 min  
Response: 2855694  
Conc: 20.45 ug/ml

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

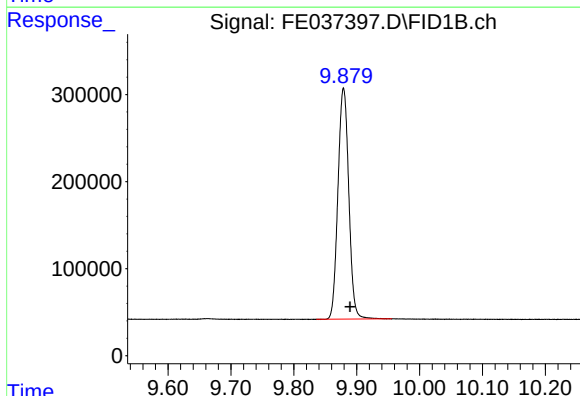
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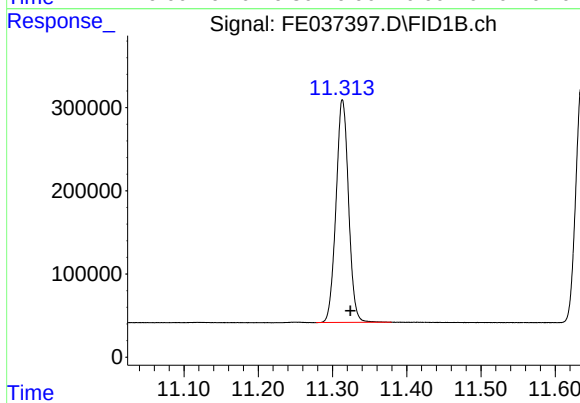
#6 n-Tetradecane (C14)

R.T.: 9.879 min  
Delta R.T.: -0.011 min  
Response: 3177711  
Conc: 20.05 ug/ml



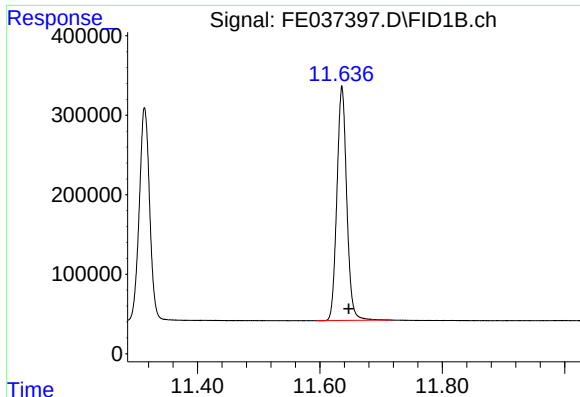
#7 n-Hexadecane (C16)

R.T.: 9.879 min  
Delta R.T.: -0.011 min  
Response: 3177711  
Conc: 20.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.314 min  
Delta R.T.: -0.011 min  
Response: 3142072  
Conc: 19.73 ug/ml



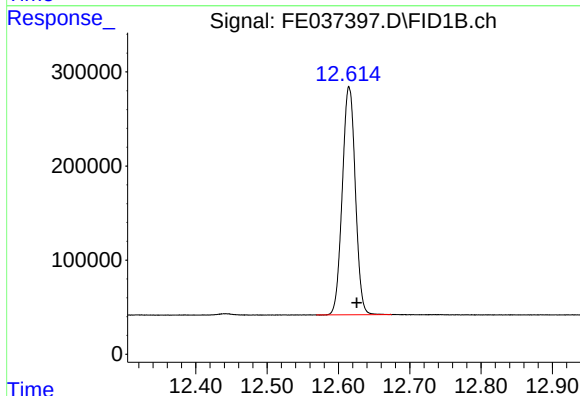
#9 ortho-Terphenyl (SURR)

R.T.: 11.636 min  
Delta R.T.: -0.011 min  
Response: 3285965  
Conc: 19.44 ug/ml

Instrument :  
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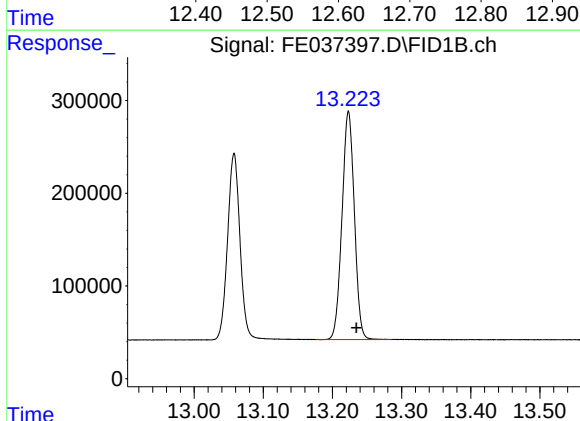
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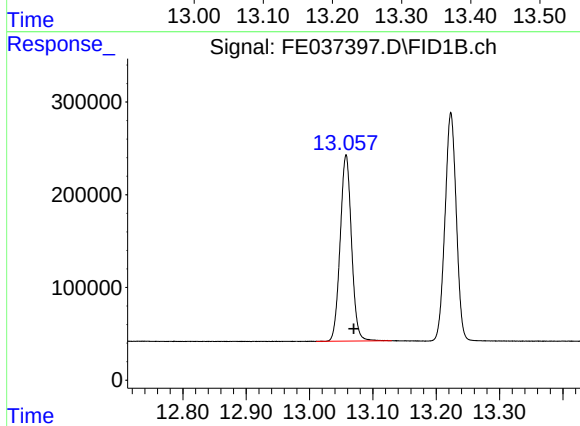
#10 n-Eicosane (C20)

R.T.: 12.615 min  
Delta R.T.: -0.010 min  
Response: 3081131  
Conc: 19.47 ug/ml



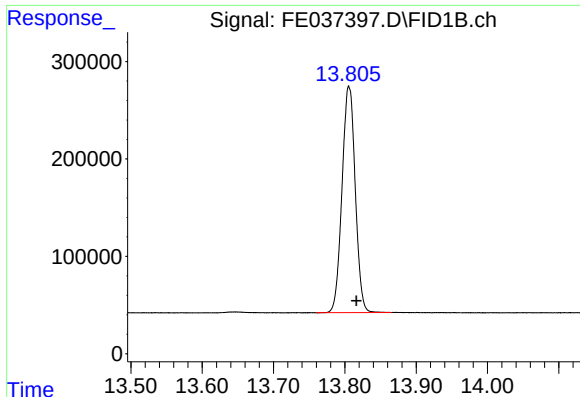
#11 n-Heneicosane (C21)

R.T.: 13.223 min  
Delta R.T.: -0.012 min  
Response: 3052620  
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.058 min  
Delta R.T.: -0.012 min  
Response: 2499295  
Conc: 19.42 ug/ml



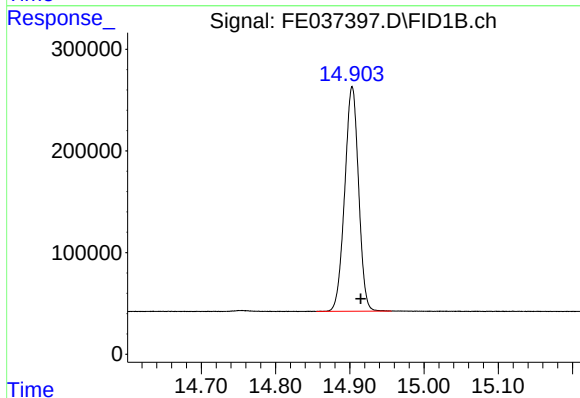
#13 n-Docosane (C22)

R.T.: 13.806 min  
Delta R.T.: -0.011 min  
Response: 2997269  
Conc: 19.25 ug/ml

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20 PPM ALIPHATIC HC STD

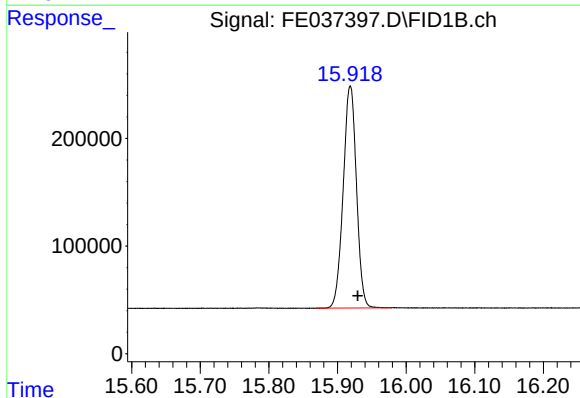
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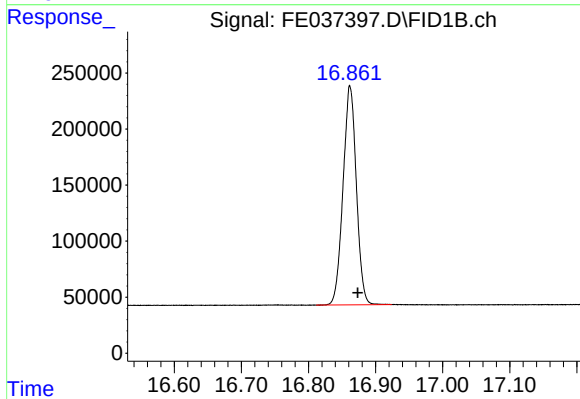
#14 n-Tetracosane (C24)

R.T.: 14.903 min  
Delta R.T.: -0.011 min  
Response: 2872955  
Conc: 19.10 ug/ml



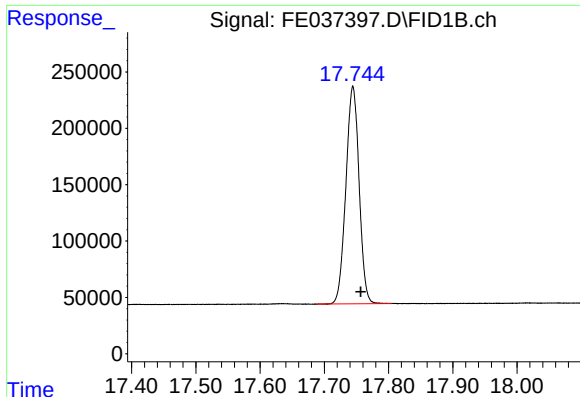
#15 n-Hexacosane (C26)

R.T.: 15.919 min  
Delta R.T.: -0.011 min  
Response: 2767540  
Conc: 19.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.862 min  
Delta R.T.: -0.012 min  
Response: 2695433  
Conc: 19.46 ug/ml



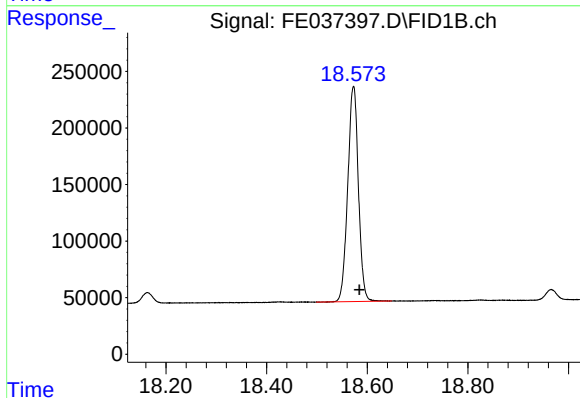
#17 n-Tricontane (C30)

R.T.: 17.745 min  
Delta R.T.: -0.012 min  
Response: 2761666  
Conc: 20.30 ug/ml

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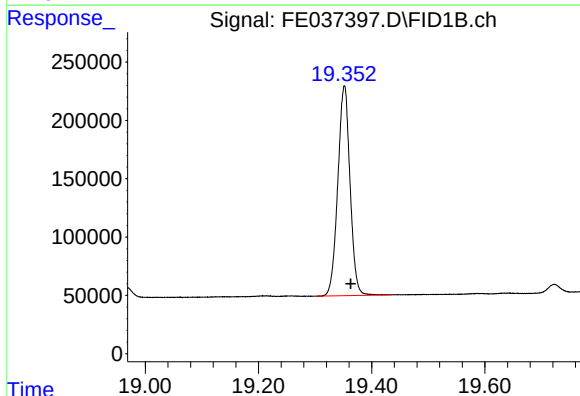
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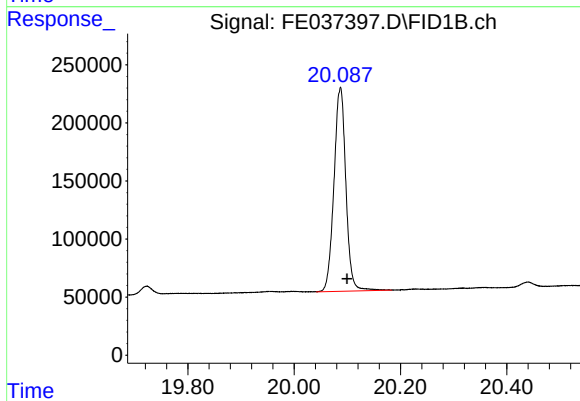
#18 n-Dotriacontane (C32)

R.T.: 18.573 min  
Delta R.T.: -0.011 min  
Response: 2795568  
Conc: 20.94 ug/ml



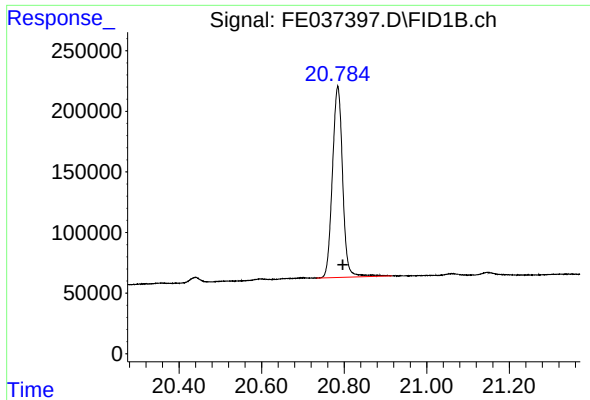
#19 n-Tetratriacontane (C34)

R.T.: 19.352 min  
Delta R.T.: -0.011 min  
Response: 2700824  
Conc: 21.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.087 min  
Delta R.T.: -0.012 min  
Response: 2732093  
Conc: 21.24 ug/ml m



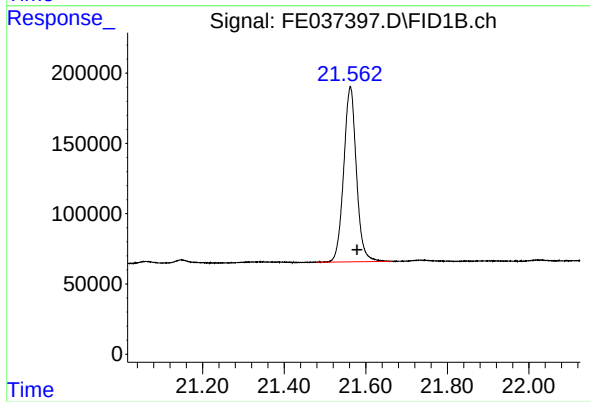
#21 n-Octatriacontane (C38)

R.T.: 20.784 min  
Delta R.T.: -0.012 min  
Response: 2711779  
Conc: 21.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.562 min  
Delta R.T.: -0.016 min  
Response: 2696593  
Conc: 20.92 ug/ml