

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE092222AL\  
 Data File : FE037746.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Sep 2022 01:45  
 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 09/23/2022  
 Supervised By :Ankita Jodhani 09/23/2022

Integration File: autoint1.e  
 Quant Time: Sep 23 03:45:42 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)    | 11.624 | 3343399    | 19.784 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.57%        |
| 12) S 1-chlorooctadecane (S... | 13.049 | 2574397    | 20.003 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.01%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.016  | 3228938    | 21.103 ug/mlm |
| 2) T n-Decane (C10)            | 4.275  | 3283877    | 21.299 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.991  | 3227411    | 22.402 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.447  | 3358123    | 21.236 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.085  | 3122809    | 22.367 ug/ml  |
| 6) T n-Tetradecane (C14)       | 9.867  | 3323256    | 20.973 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.867  | 3323256    | 20.973 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.302 | 3259083    | 20.466 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.604 | 3157937    | 19.959 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.213 | 3105724    | 19.695 ug/ml  |
| 13) T n-Docosane (C22)         | 13.797 | 3052184    | 19.607 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.894 | 2971672    | 19.758 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.910 | 2910832    | 20.102 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.855 | 2879734    | 20.787 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.739 | 2953171    | 21.709 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.567 | 3021429    | 22.627 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.347 | 2882686    | 22.783 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.085 | 2880328    | 22.395 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.782 | 2775782    | 22.303 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.558 | 2639272    | 20.473 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 : 5 Sample Multiplier: 1

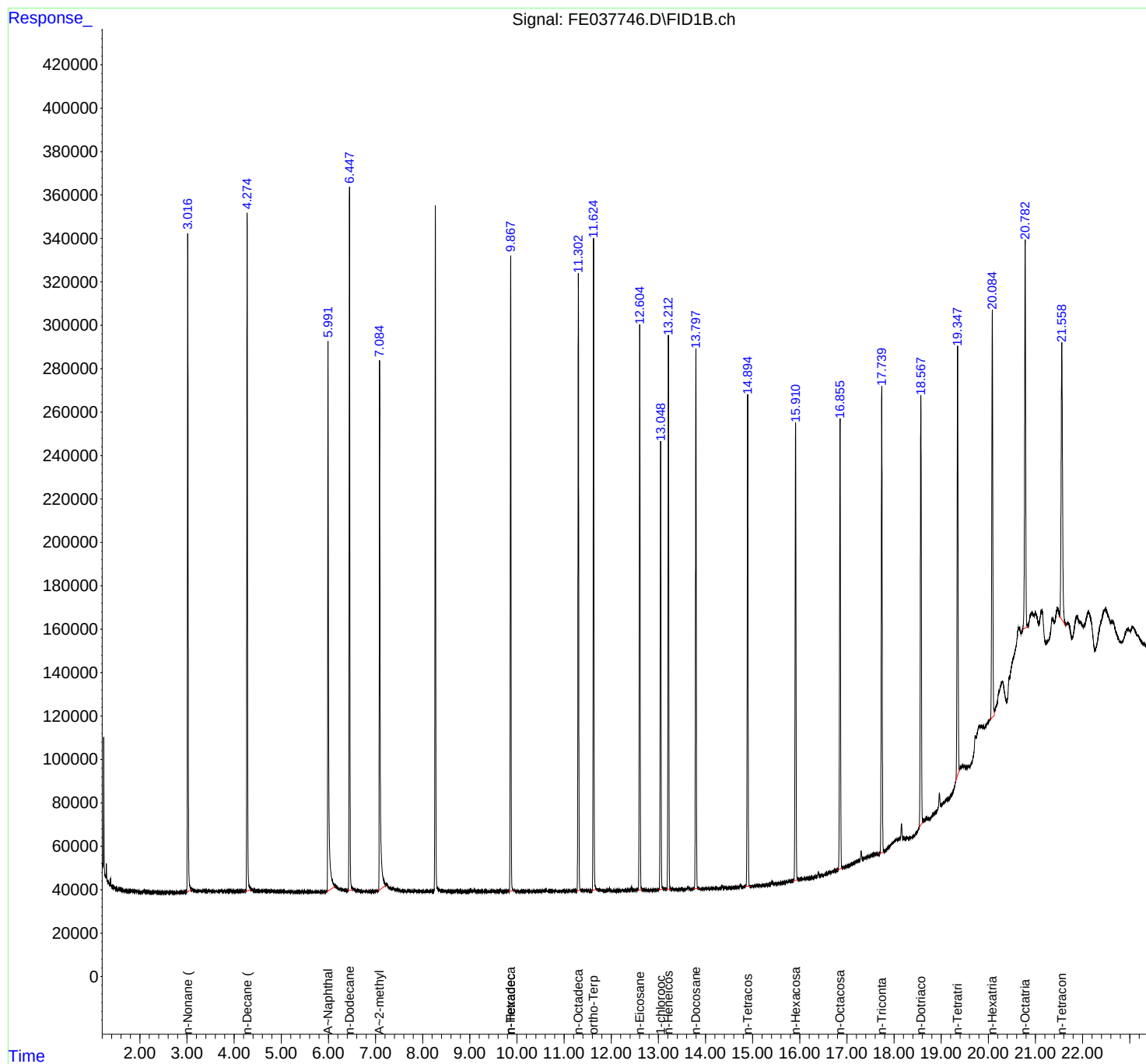
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

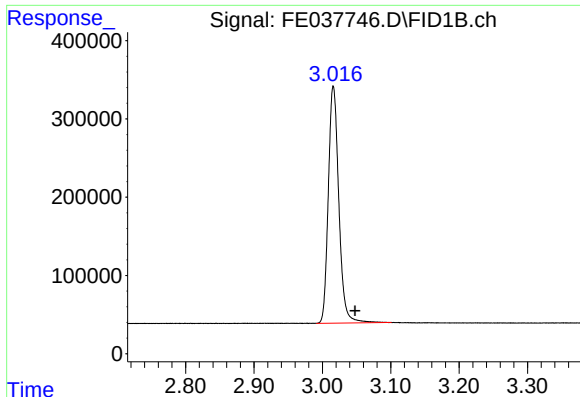
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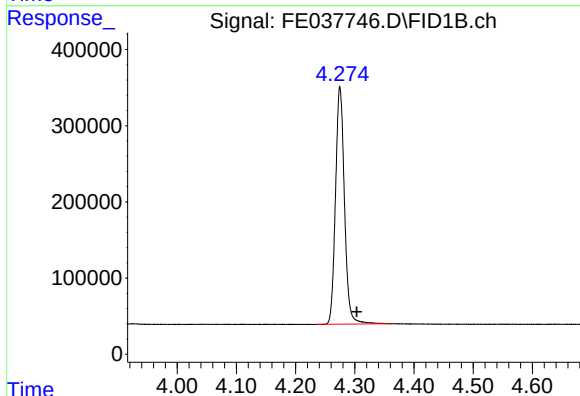
#1 n-Nonane (C9)

R.T.: 3.016 min  
Delta R.T.: -0.032 min  
Response: 3228938  
Conc: 21.10 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

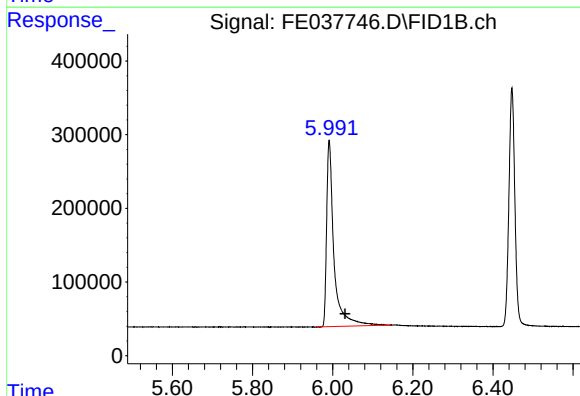
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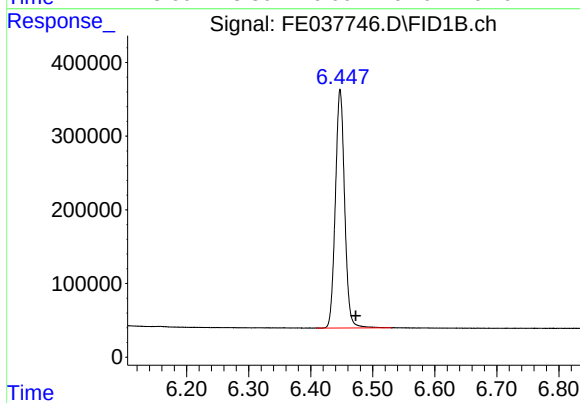
#2 n-Decane (C10)

R.T.: 4.275 min  
Delta R.T.: -0.028 min  
Response: 3283877  
Conc: 21.30 ug/ml



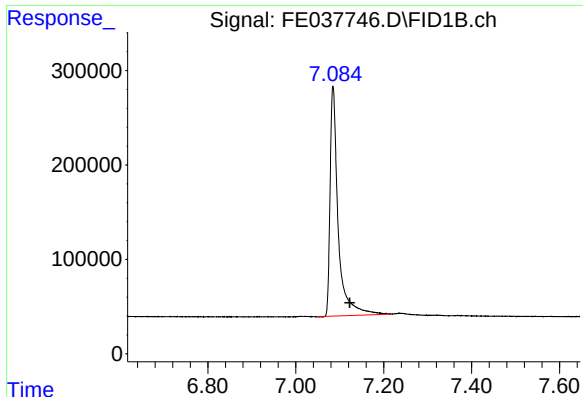
#3 A~Naphthalene (C11.7)

R.T.: 5.991 min  
Delta R.T.: -0.039 min  
Response: 3227411  
Conc: 22.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.447 min  
Delta R.T.: -0.025 min  
Response: 3358123  
Conc: 21.24 ug/ml



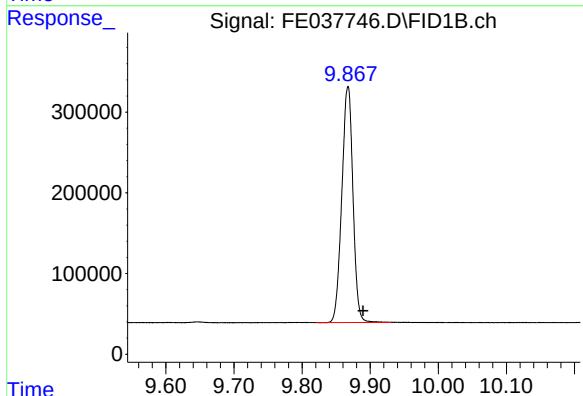
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.085 min  
Delta R.T.: -0.038 min  
Response: 3122809  
Conc: 22.37 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

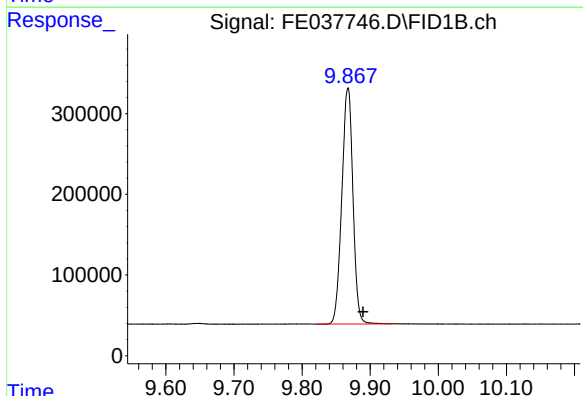
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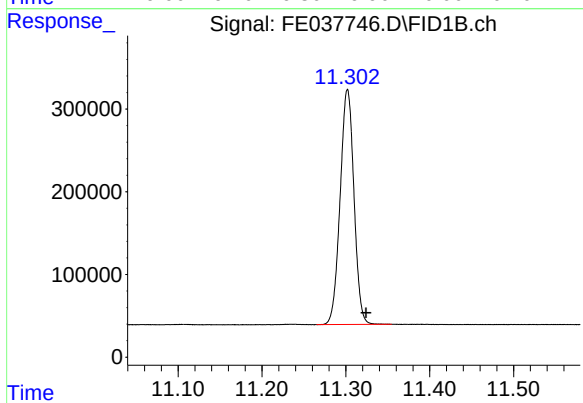
#6 n-Tetradecane (C14)

R.T.: 9.867 min  
Delta R.T.: -0.022 min  
Response: 3323256  
Conc: 20.97 ug/ml



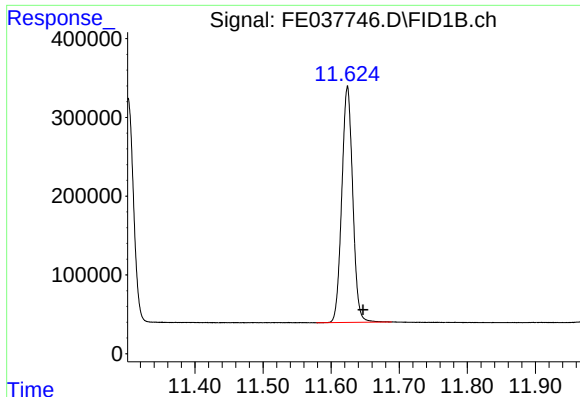
#7 n-Hexadecane (C16)

R.T.: 9.867 min  
Delta R.T.: -0.022 min  
Response: 3323256  
Conc: 20.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.302 min  
Delta R.T.: -0.022 min  
Response: 3259083  
Conc: 20.47 ug/ml



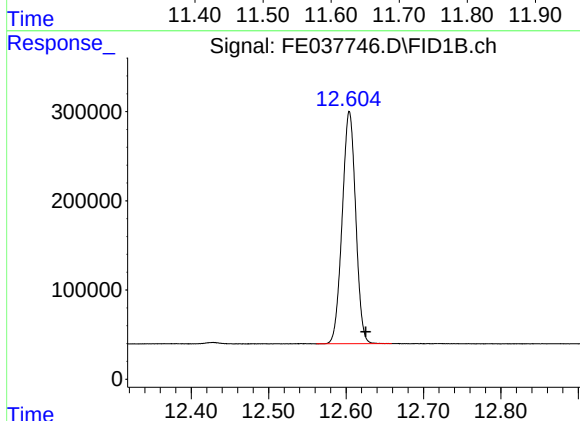
#9 ortho-Terphenyl (SURR)

R.T.: 11.624 min  
Delta R.T.: -0.023 min  
Response: 3343399  
Conc: 19.78 ug/ml

Instrument :  
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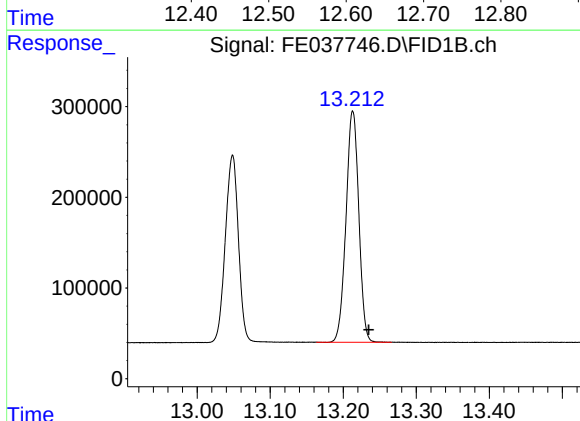
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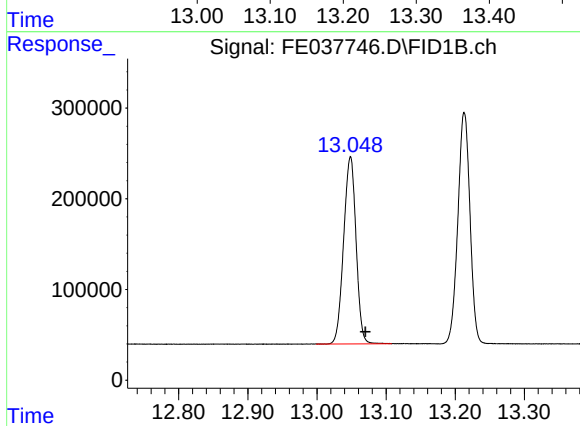
#10 n-Eicosane (C20)

R.T.: 12.604 min  
Delta R.T.: -0.021 min  
Response: 3157937  
Conc: 19.96 ug/ml



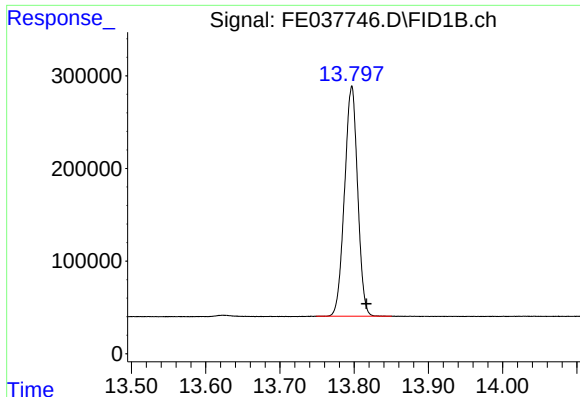
#11 n-Heneicosane (C21)

R.T.: 13.213 min  
Delta R.T.: -0.022 min  
Response: 3105724  
Conc: 19.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.049 min  
Delta R.T.: -0.021 min  
Response: 2574397  
Conc: 20.00 ug/ml



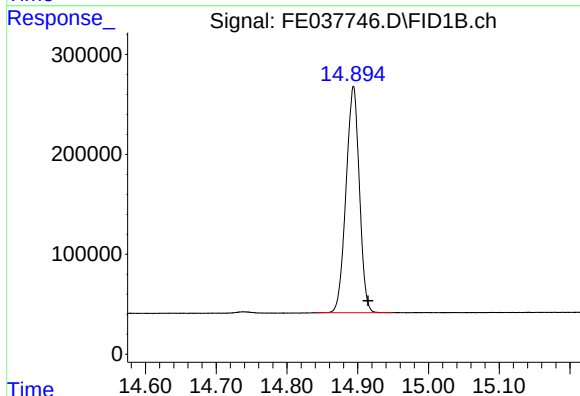
#13 n-Docosane (C22)

R.T.: 13.797 min  
Delta R.T.: -0.020 min  
Response: 3052184  
Conc: 19.61 ug/ml

Instrument :  
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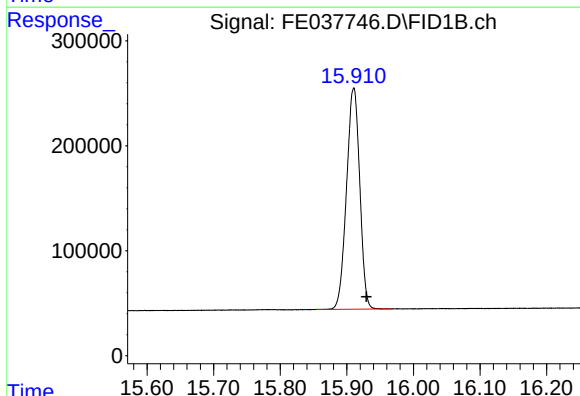
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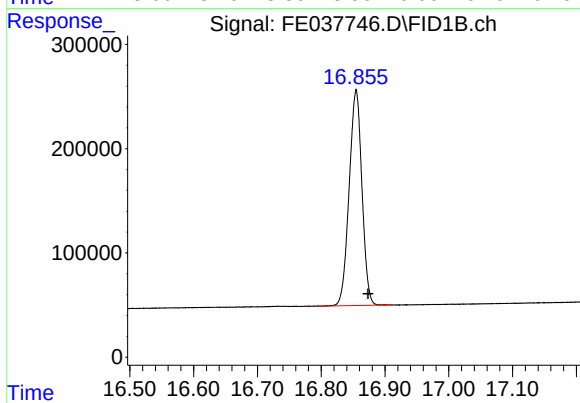
#14 n-Tetracosane (C24)

R.T.: 14.894 min  
Delta R.T.: -0.021 min  
Response: 2971672  
Conc: 19.76 ug/ml



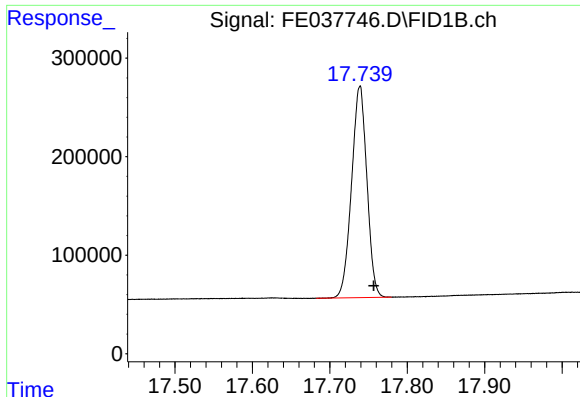
#15 n-Hexacosane (C26)

R.T.: 15.910 min  
Delta R.T.: -0.019 min  
Response: 2910832  
Conc: 20.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.855 min  
Delta R.T.: -0.019 min  
Response: 2879734  
Conc: 20.79 ug/ml



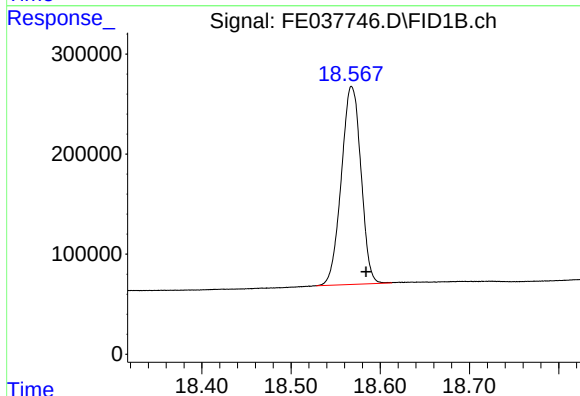
#17 n-Tricontane (C30)

R.T.: 17.739 min  
Delta R.T.: -0.018 min  
Response: 2953171  
Conc: 21.71 ug/ml

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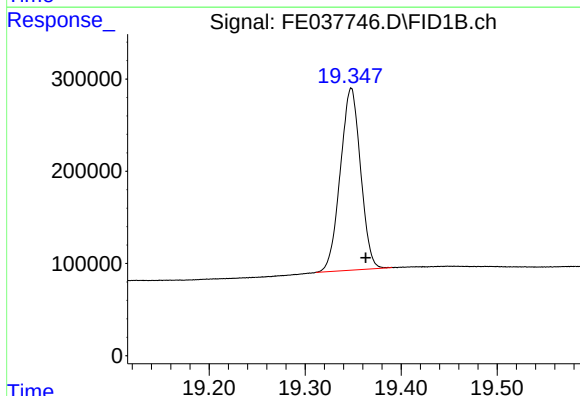
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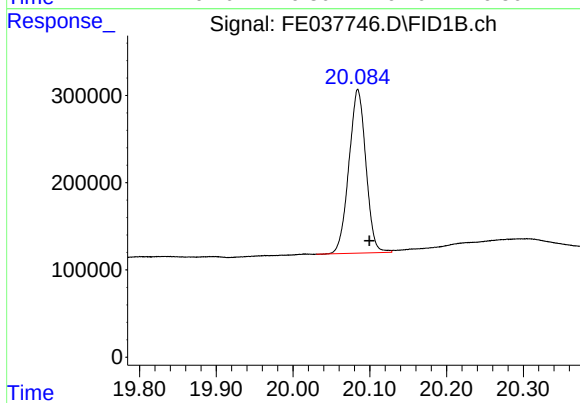
#18 n-Dotriacontane (C32)

R.T.: 18.567 min  
Delta R.T.: -0.017 min  
Response: 3021429  
Conc: 22.63 ug/ml m



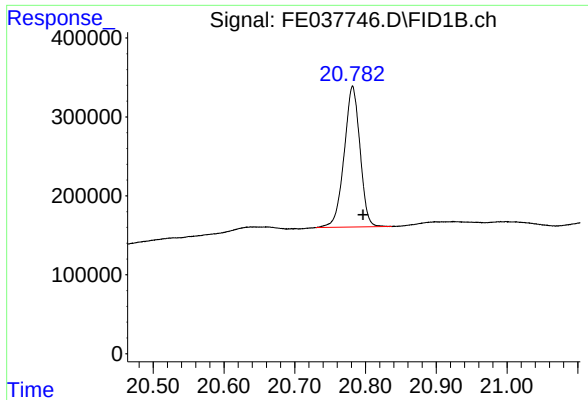
#19 n-Tetratriacontane (C34)

R.T.: 19.347 min  
Delta R.T.: -0.016 min  
Response: 2882686  
Conc: 22.78 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.085 min  
Delta R.T.: -0.015 min  
Response: 2880328  
Conc: 22.40 ug/ml



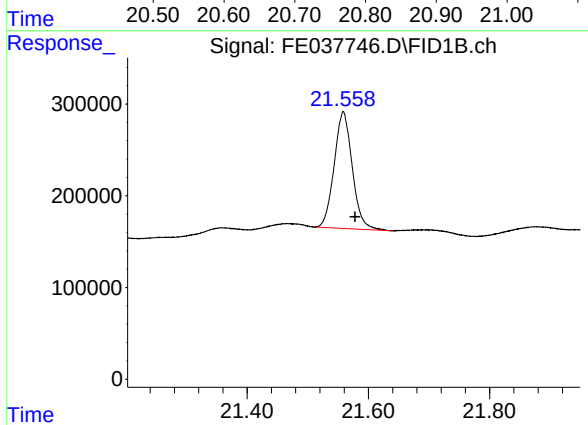
#21 n-Octatriacontane (C38)

R.T.: 20.782 min  
Delta R.T.: -0.015 min  
Response: 2775782  
Conc: 22.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.558 min  
Delta R.T.: -0.020 min  
Response: 2639272  
Conc: 20.47 ug/ml m