

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE100522AL\  
 Data File : FE037949.D  
 Signal(s) : FID1B.ch  
 Acq On : 05 Oct 2022 11:17  
 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 05:04:16 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

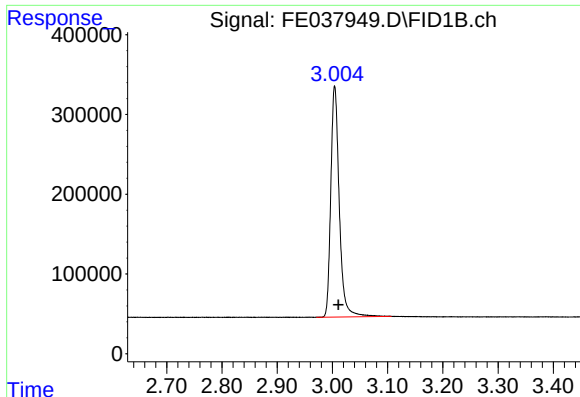
Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.608 | 3411044    | 19.721 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.44%        |
| 12) S 1-chlorooctadecane (S... | 13.030 | 2658090    | 19.666 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.33%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.004  | 3097385    | 21.030 ug/ml  |
| 2) T n-Decane (C10)            | 4.261  | 3165220    | 21.409 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.978  | 3029544    | 22.123 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.433  | 3225629    | 21.168 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.071  | 2851403    | 21.454 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.252  | 3226084    | 21.078 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.851  | 3249981    | 20.807 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.286 | 3259343    | 20.320 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.588 | 3240551    | 19.872 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.195 | 3215210    | 19.514 ug/ml  |
| 13) T n-Docosane (C22)         | 13.778 | 3235904    | 19.658 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.875 | 3156958    | 19.249 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.890 | 3059079    | 18.760 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.834 | 3022718    | 18.868 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.718 | 3098595    | 19.363 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.547 | 3081083    | 19.566 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.326 | 2870333    | 19.374 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.061 | 2754316    | 19.105 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.760 | 2915251    | 21.483 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.528 | 2843983    | 22.342 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.





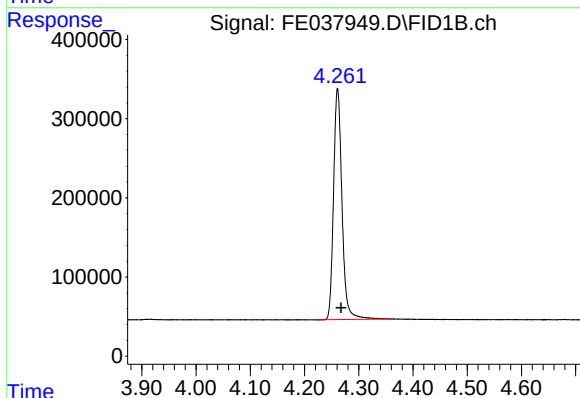
#1 n-Nonane (C9)

R.T.: 3.004 min  
Delta R.T.: -0.007 min  
Response: 3097385  
Conc: 21.03 ug/ml

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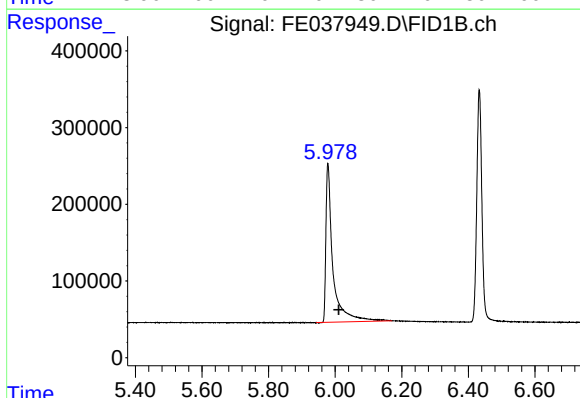
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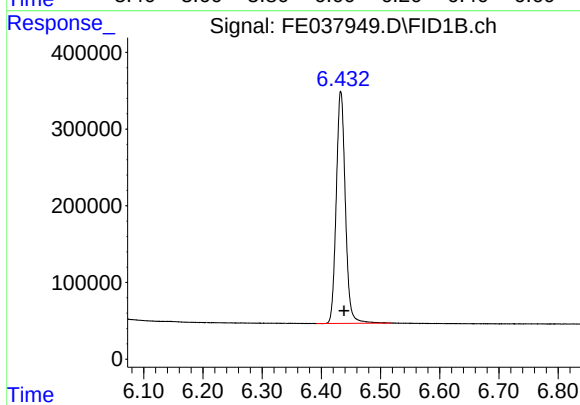
#2 n-Decane (C10)

R.T.: 4.261 min  
Delta R.T.: -0.006 min  
Response: 3165220  
Conc: 21.41 ug/ml



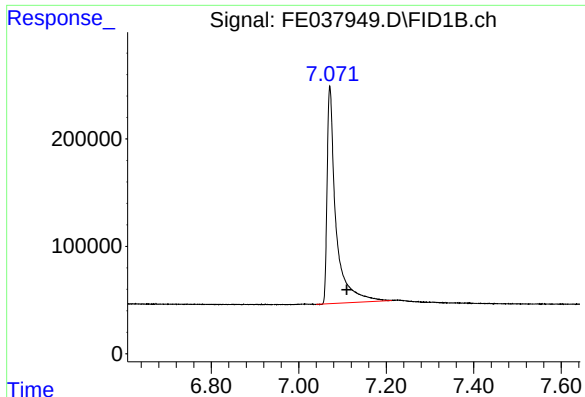
#3 A~Naphthalene (C11.7)

R.T.: 5.978 min  
Delta R.T.: -0.033 min  
Response: 3029544  
Conc: 22.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.433 min  
Delta R.T.: -0.005 min  
Response: 3225629  
Conc: 21.17 ug/ml



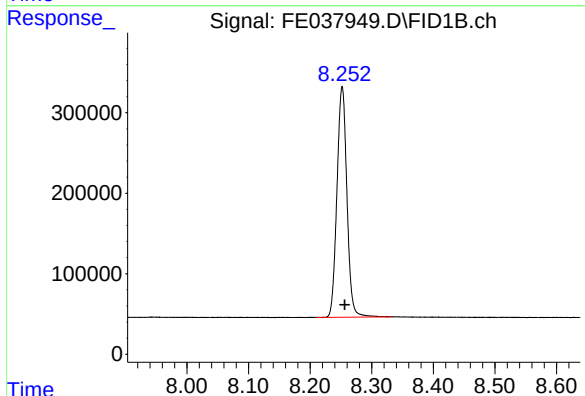
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.071 min  
Delta R.T.: -0.038 min  
Response: 2851403  
Conc: 21.45 ug/ml

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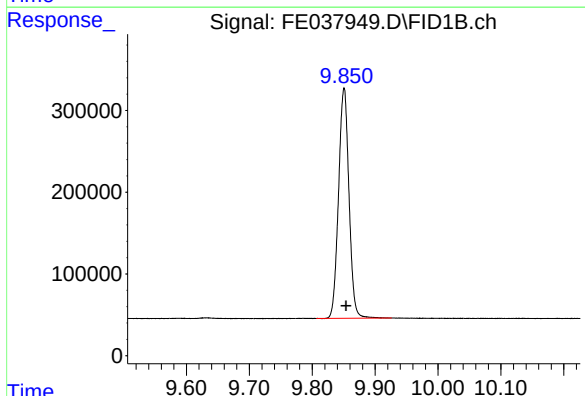
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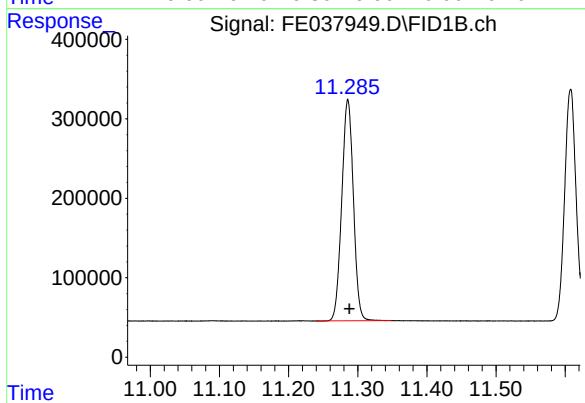
#6 n-Tetradecane (C14)

R.T.: 8.252 min  
Delta R.T.: -0.004 min  
Response: 3226084  
Conc: 21.08 ug/ml



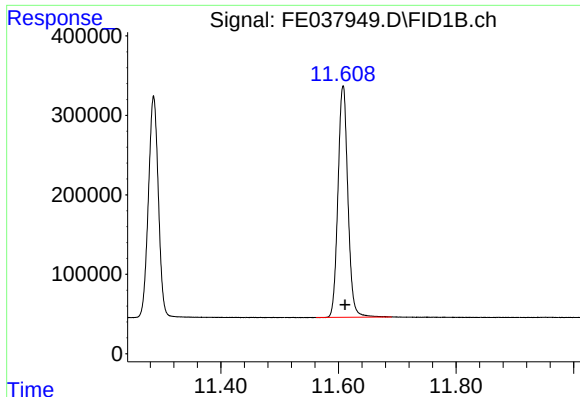
#7 n-Hexadecane (C16)

R.T.: 9.851 min  
Delta R.T.: -0.003 min  
Response: 3249981  
Conc: 20.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.286 min  
Delta R.T.: -0.002 min  
Response: 3259343  
Conc: 20.32 ug/ml



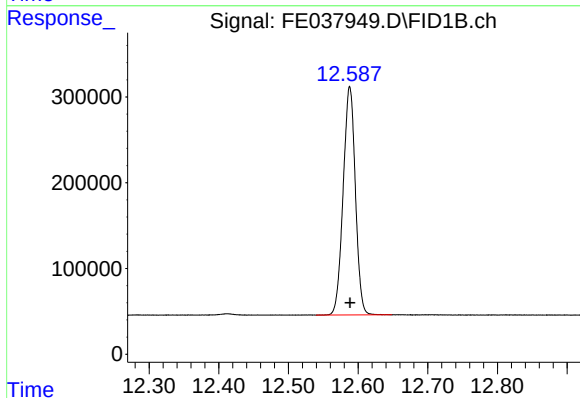
#9 ortho-Terphenyl (SURR)

R.T.: 11.608 min  
Delta R.T.: -0.004 min  
Response: 3411044  
Conc: 19.72 ug/ml

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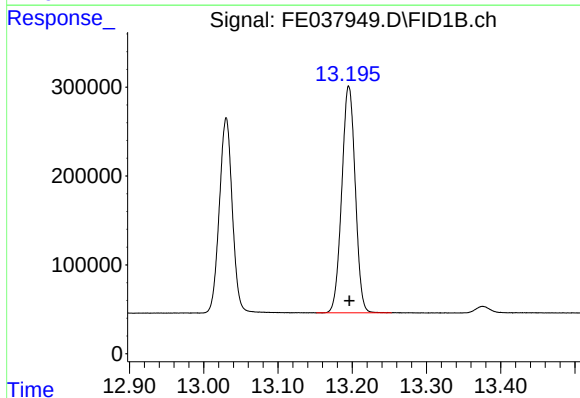
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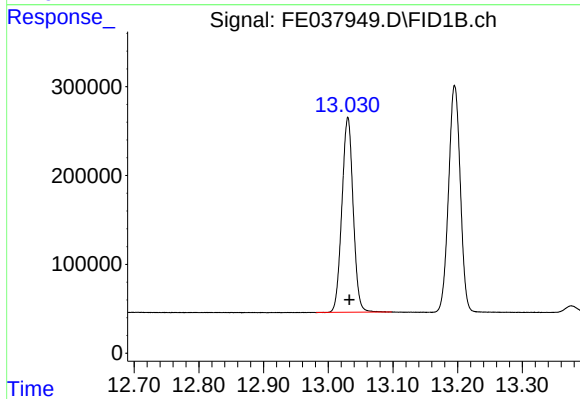
#10 n-Eicosane (C20)

R.T.: 12.588 min  
Delta R.T.: 0.000 min  
Response: 3240551  
Conc: 19.87 ug/ml



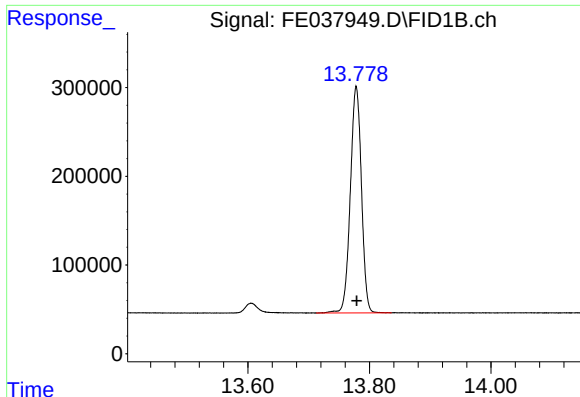
#11 n-Heneicosane (C21)

R.T.: 13.195 min  
Delta R.T.: 0.000 min  
Response: 3215210  
Conc: 19.51 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.030 min  
Delta R.T.: -0.003 min  
Response: 2658090  
Conc: 19.67 ug/ml



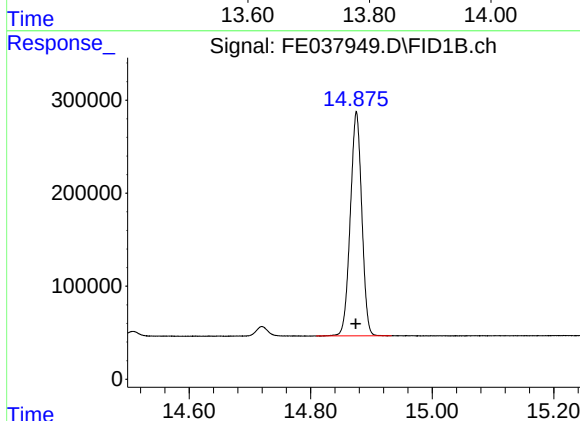
#13 n-Docosane (C22)

R.T.: 13.778 min  
Delta R.T.: 0.000 min  
Response: 3235904  
Conc: 19.66 ug/ml

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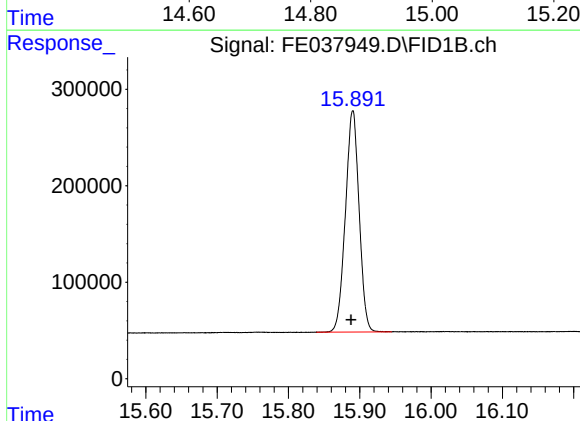
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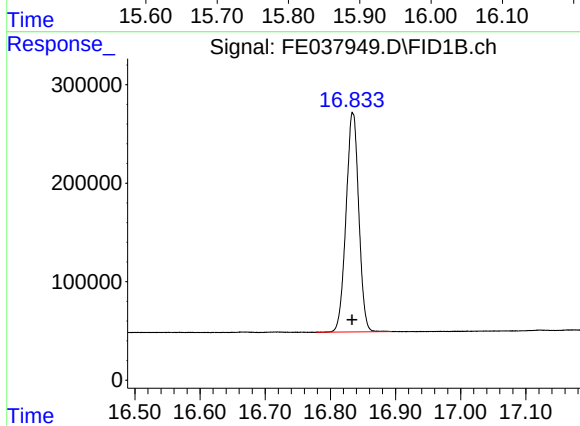
#14 n-Tetracosane (C24)

R.T.: 14.875 min  
Delta R.T.: 0.001 min  
Response: 3156958  
Conc: 19.25 ug/ml



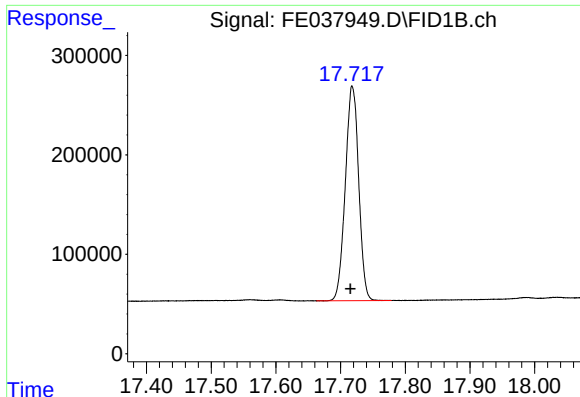
#15 n-Hexacosane (C26)

R.T.: 15.890 min  
Delta R.T.: 0.002 min  
Response: 3059079  
Conc: 18.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.834 min  
Delta R.T.: 0.000 min  
Response: 3022718  
Conc: 18.87 ug/ml



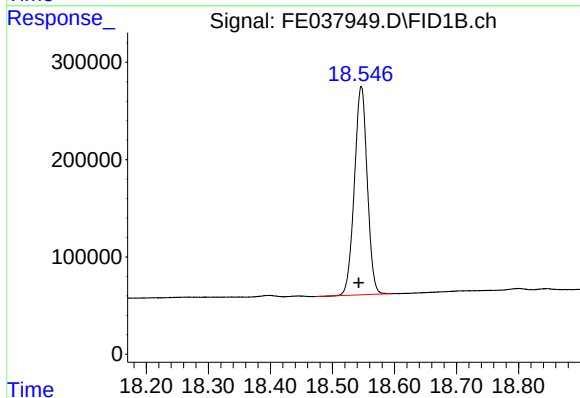
#17 n-Tricontane (C30)

R.T.: 17.718 min  
Delta R.T.: 0.003 min  
Response: 3098595  
Conc: 19.36 ug/ml

Instrument :  
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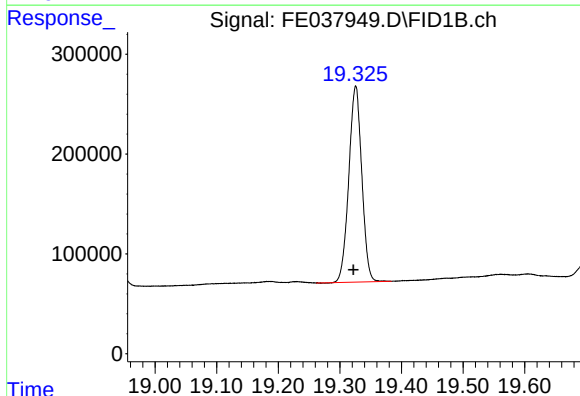
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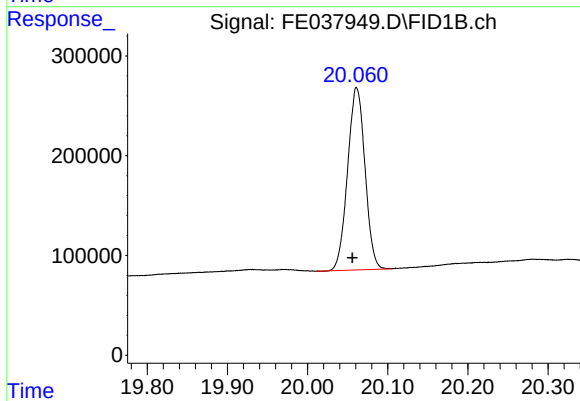
#18 n-Dotriacontane (C32)

R.T.: 18.547 min  
Delta R.T.: 0.004 min  
Response: 3081083  
Conc: 19.57 ug/ml



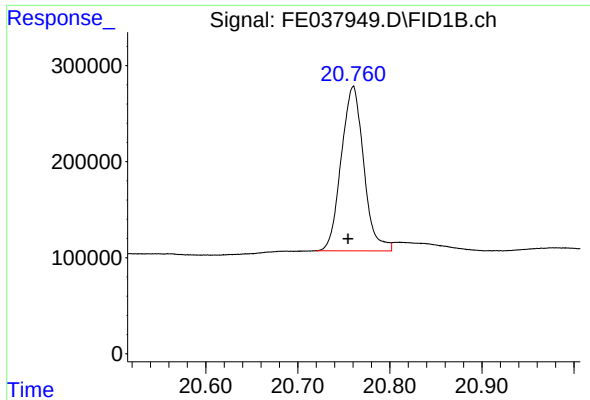
#19 n-Tetratriacontane (C34)

R.T.: 19.326 min  
Delta R.T.: 0.004 min  
Response: 2870333  
Conc: 19.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.061 min  
Delta R.T.: 0.005 min  
Response: 2754316  
Conc: 19.11 ug/ml



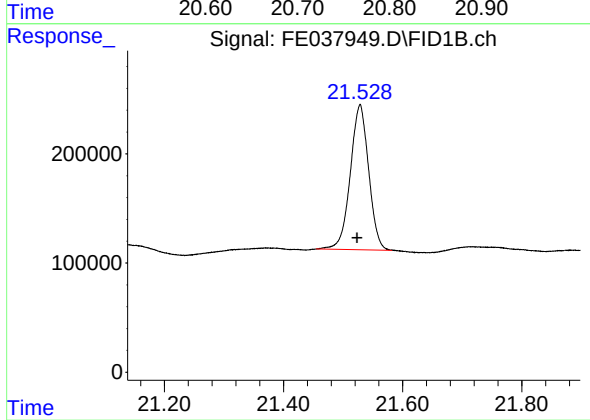
#21 n-Octatriacontane (C38)

R.T.: 20.760 min  
Delta R.T.: 0.006 min  
Response: 2915251  
Conc: 21.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.528 min  
Delta R.T.: 0.005 min  
Response: 2843983  
Conc: 22.34 ug/ml m