

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE052024AL\  
 Data File : FE048274.D  
 Signal(s) : FID1B.ch  
 Acq On : 20 May 2024 09:07  
 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 05/20/2024  
 Supervised By :Ankita Jodhani 05/21/2024

Integration File: autoint1.e  
 Quant Time: May 20 11:28:06 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 042724.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 29 03:29:12 2024  
 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)    | 11.958 | 2760989    | 19.138 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.28%        |
| 12) S 1-chlorooctadecane (S... | 13.391 | 2094704    | 18.746 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.49%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.345  | 2616692    | 20.303 ug/ml  |
| 2) T n-Decane (C10)            | 4.593  | 2806507    | 21.317 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.300  | 2764068    | 20.018 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.759  | 2785169    | 20.892 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.396  | 2633891    | 19.793 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.587  | 2682180    | 20.240 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.194 | 2716829    | 19.754 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.637 | 2696865    | 19.361 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.946 | 2575779    | 19.130 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.558 | 2502671    | 18.906 ug/ml  |
| 13) T n-Docosane (C22)         | 14.143 | 2556504    | 19.291 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.246 | 2694421    | 20.235 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.266 | 2802495    | 21.001 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.214 | 2983787    | 22.410 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.101 | 3291786    | 23.851 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.933 | 3319655    | 24.034 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.715 | 3038465    | 22.305 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.455 | 2863540    | 21.149 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.191 | 2796261    | 20.253 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.115 | 2993374    | 21.485 ug/ml  |
| -----                          |        |            |               |

(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

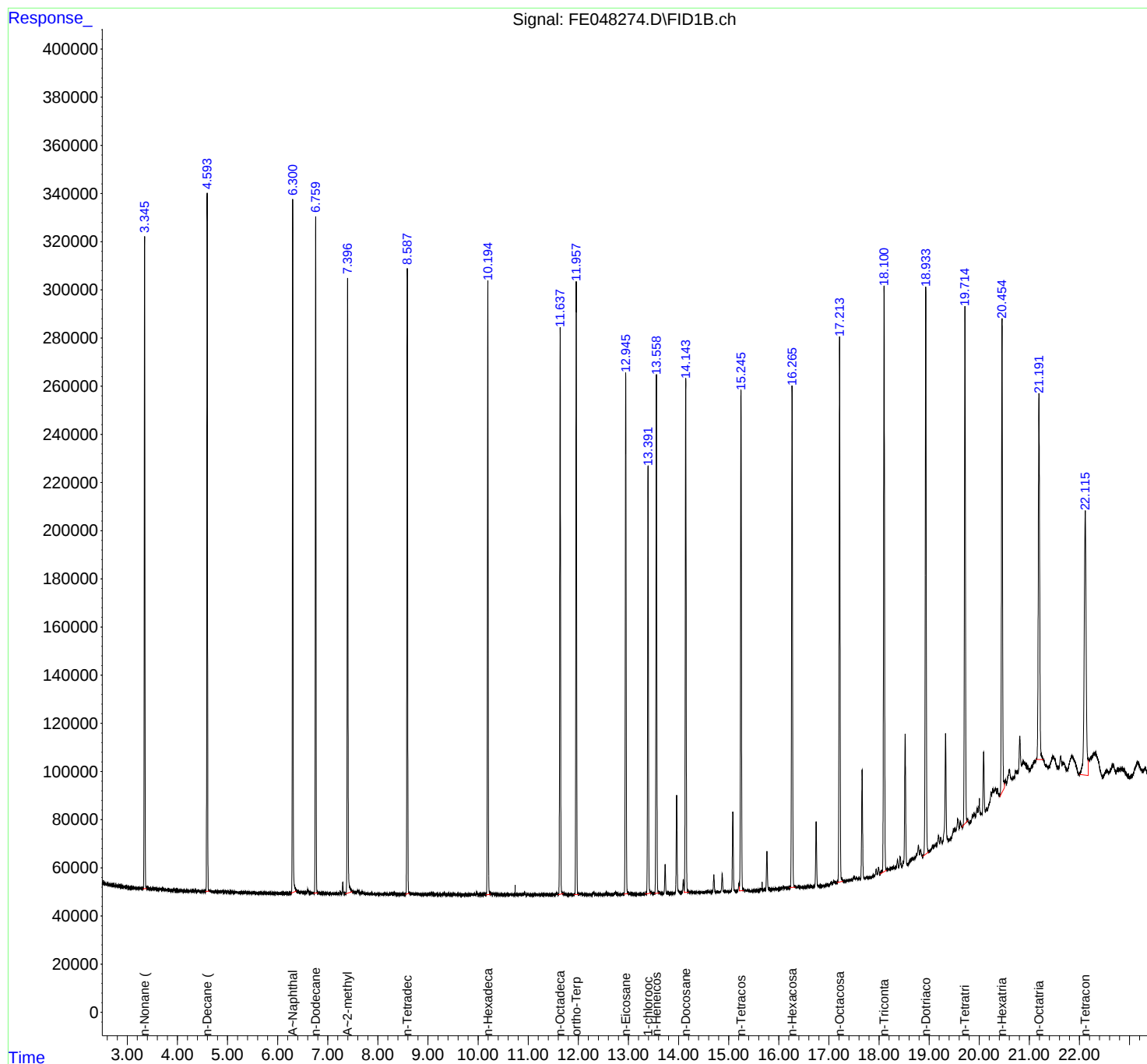
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

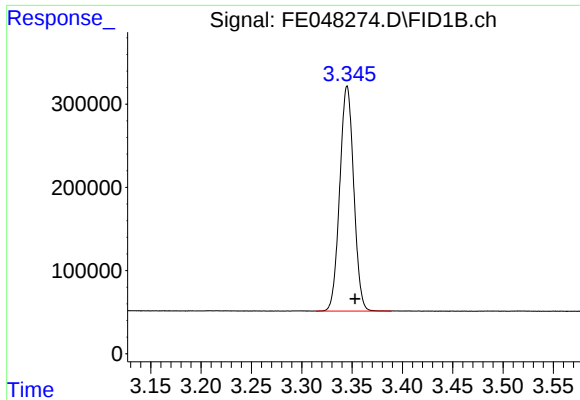
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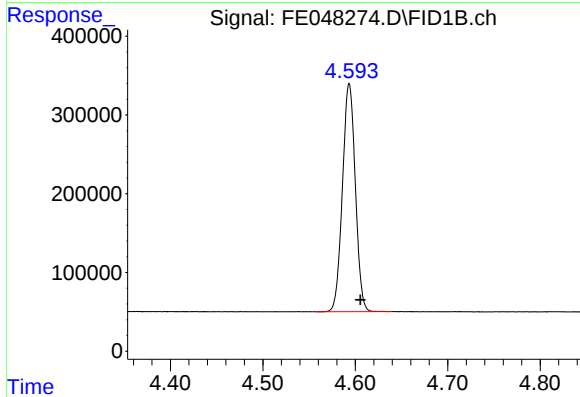
#1 n-Nonane (C9)

R.T.: 3.345 min  
Delta R.T.: -0.008 min  
Response: 2616692  
Conc: 20.30 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

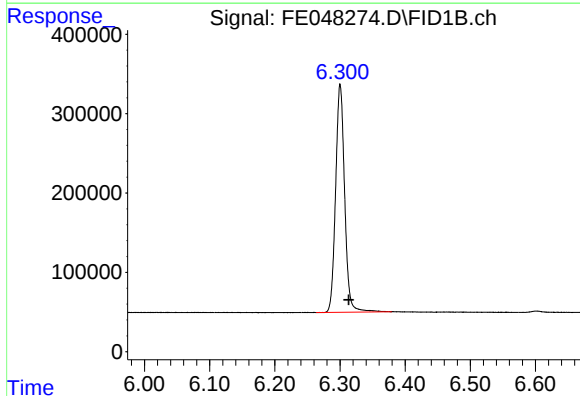
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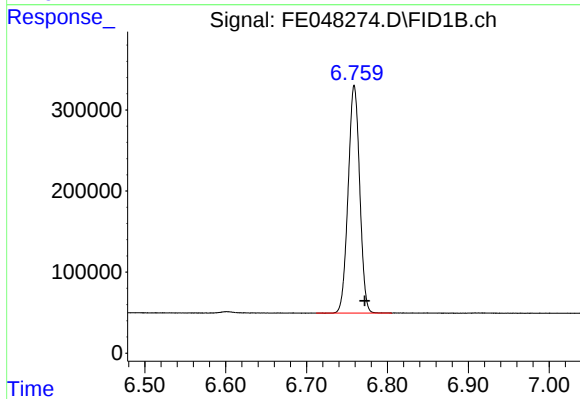
#2 n-Decane (C10)

R.T.: 4.593 min  
Delta R.T.: -0.012 min  
Response: 2806507  
Conc: 21.32 ug/ml



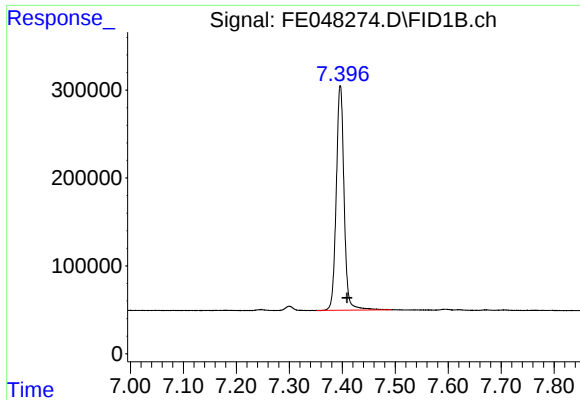
#3 A~Naphthalene (C11.7)

R.T.: 6.300 min  
Delta R.T.: -0.013 min  
Response: 2764068  
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.759 min  
Delta R.T.: -0.013 min  
Response: 2785169  
Conc: 20.89 ug/ml



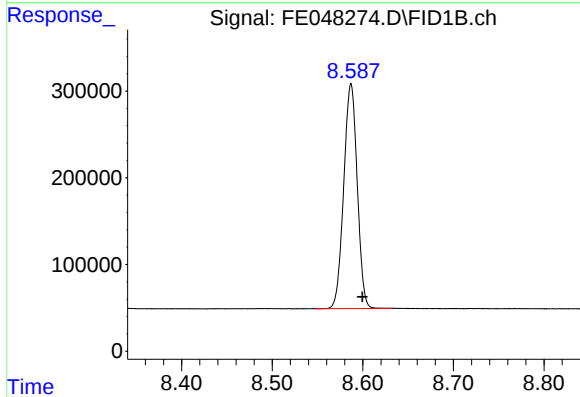
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.396 min  
Delta R.T.: -0.013 min  
Response: 2633891  
Conc: 19.79 ug/ml

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

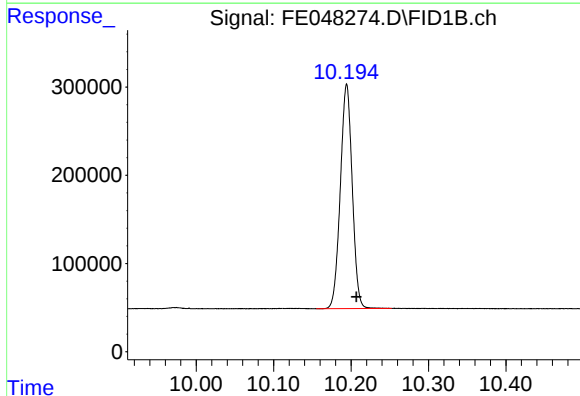
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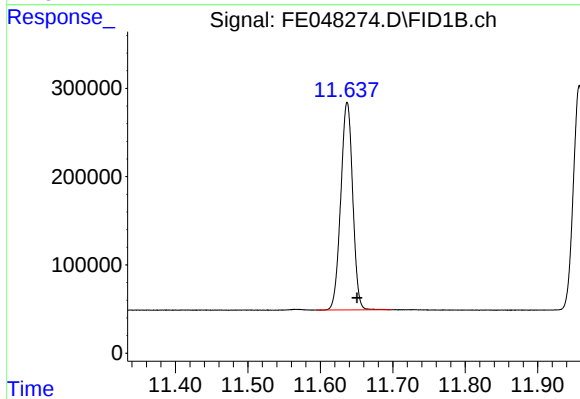
#6 n-Tetradecane (C14)

R.T.: 8.587 min  
Delta R.T.: -0.012 min  
Response: 2682180  
Conc: 20.24 ug/ml



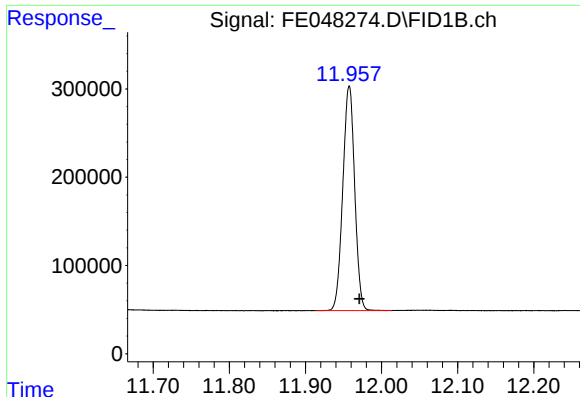
#7 n-Hexadecane (C16)

R.T.: 10.194 min  
Delta R.T.: -0.013 min  
Response: 2716829  
Conc: 19.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min  
Delta R.T.: -0.013 min  
Response: 2696865  
Conc: 19.36 ug/ml



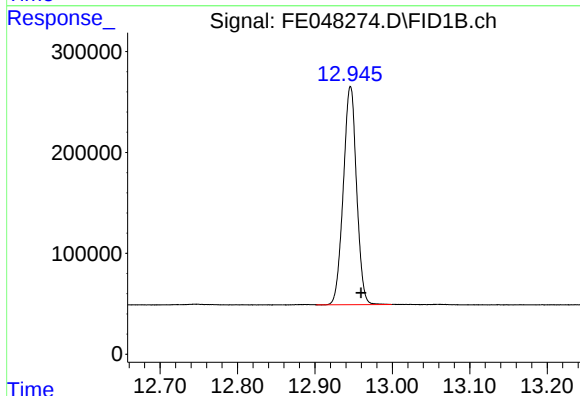
#9 ortho-Terphenyl (SURR)

R.T.: 11.958 min  
Delta R.T.: -0.013 min  
Response: 2760989  
Conc: 19.14 ug/ml

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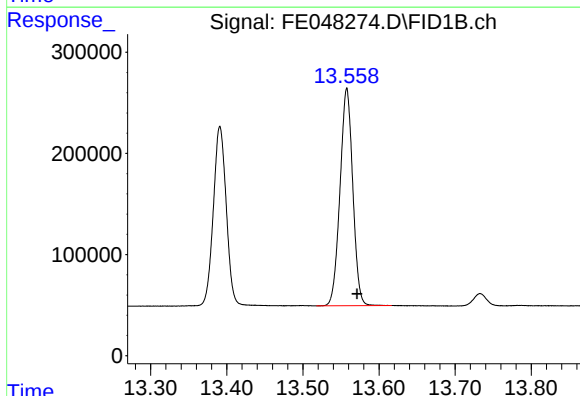
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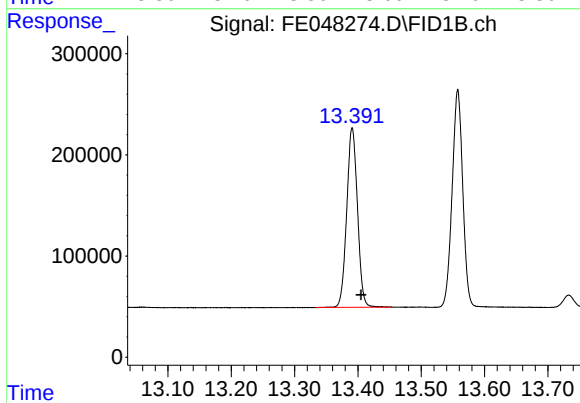
#10 n-Eicosane (C20)

R.T.: 12.946 min  
Delta R.T.: -0.013 min  
Response: 2575779  
Conc: 19.13 ug/ml



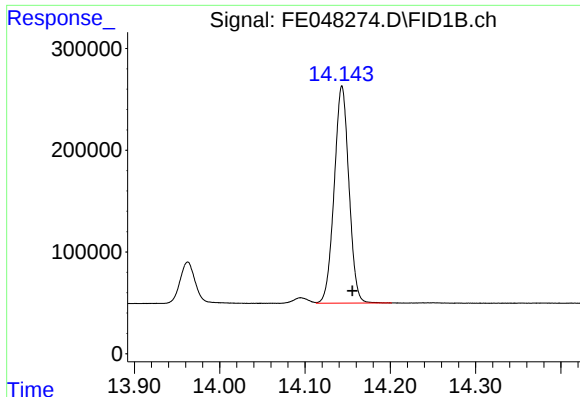
#11 n-Heneicosane (C21)

R.T.: 13.558 min  
Delta R.T.: -0.013 min  
Response: 2502671  
Conc: 18.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min  
Delta R.T.: -0.014 min  
Response: 2094704  
Conc: 18.75 ug/ml



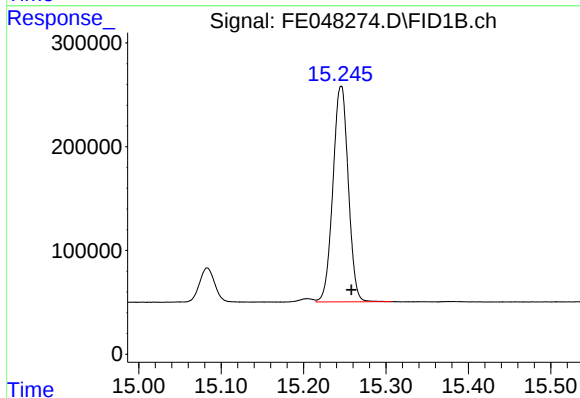
#13 n-Docosane (C22)

R.T.: 14.143 min  
Delta R.T.: -0.012 min  
Response: 2556504  
Conc: 19.29 ug/ml

Instrument :  
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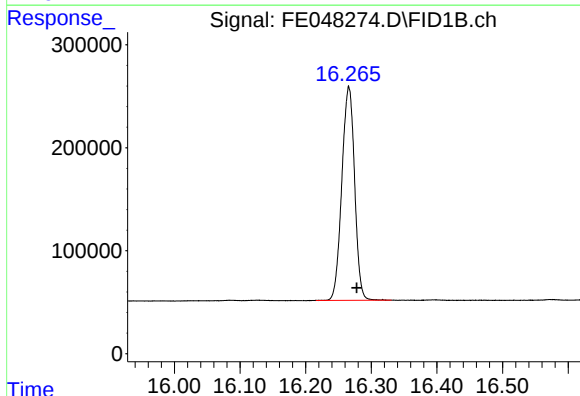
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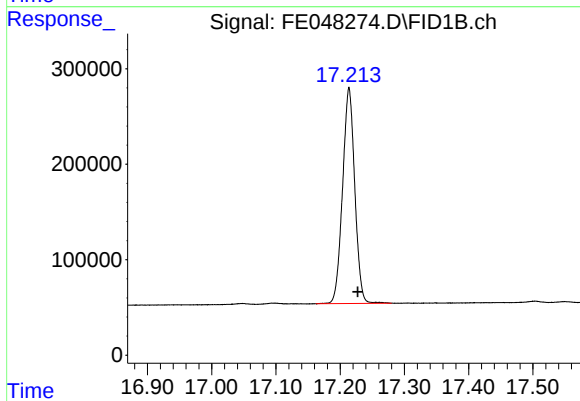
#14 n-Tetracosane (C24)

R.T.: 15.246 min  
Delta R.T.: -0.012 min  
Response: 2694421  
Conc: 20.24 ug/ml



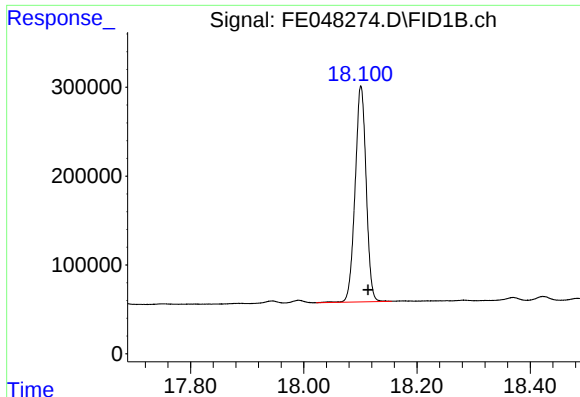
#15 n-Hexacosane (C26)

R.T.: 16.266 min  
Delta R.T.: -0.012 min  
Response: 2802495  
Conc: 21.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.214 min  
Delta R.T.: -0.013 min  
Response: 2983787  
Conc: 22.41 ug/ml



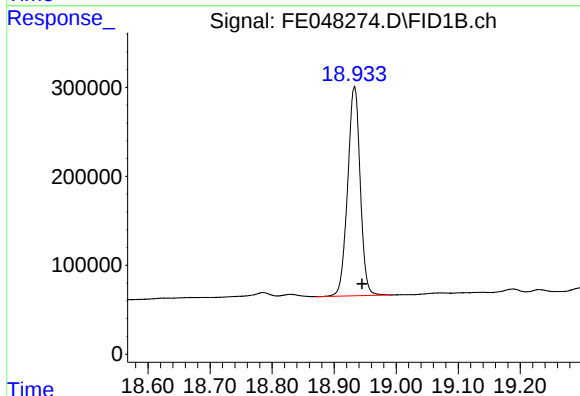
#17 n-Tricontane (C30)

R.T.: 18.101 min  
Delta R.T.: -0.012 min  
Response: 3291786  
Conc: 23.85 ug/ml

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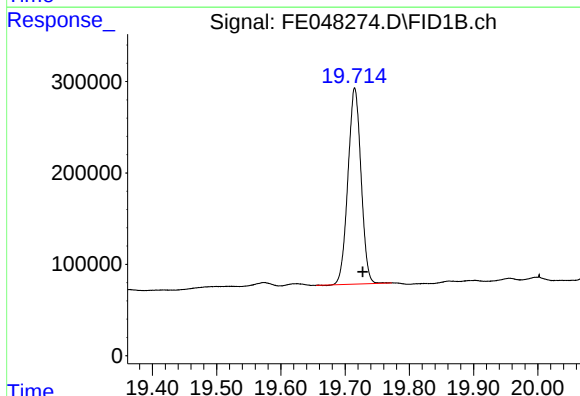
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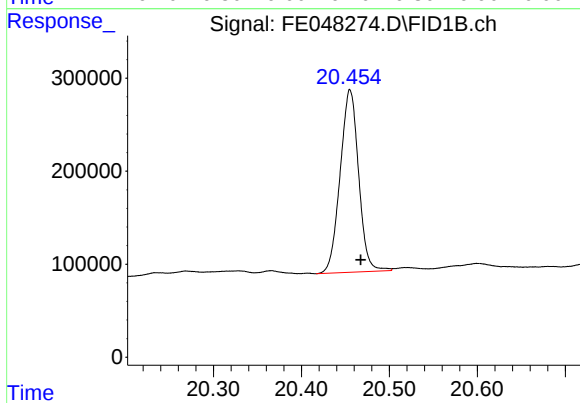
#18 n-Dotriacontane (C32)

R.T.: 18.933 min  
Delta R.T.: -0.012 min  
Response: 3319655  
Conc: 24.03 ug/ml



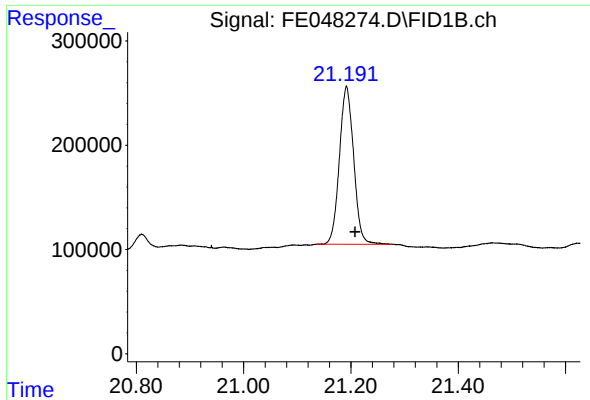
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min  
Delta R.T.: -0.013 min  
Response: 3038465  
Conc: 22.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.455 min  
Delta R.T.: -0.012 min  
Response: 2863540  
Conc: 21.15 ug/ml



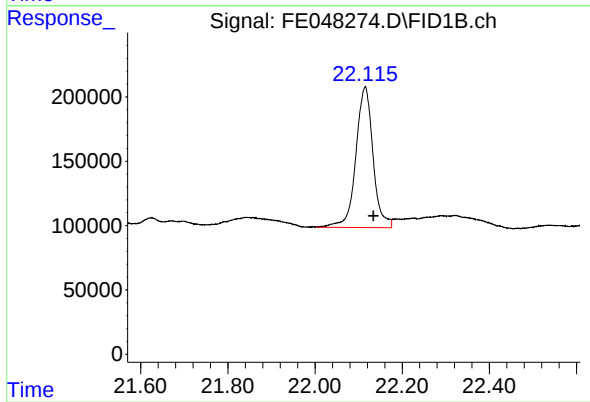
#21 n-Octatriacontane (C38)

R.T.: 21.191 min  
Delta R.T.: -0.016 min  
Response: 2796261  
Conc: 20.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min  
Delta R.T.: -0.019 min  
Response: 2993374  
Conc: 21.49 ug/ml