

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\F110723AL\  
 Data File : FC065037.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Nov 2023 19:24  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/08/2023  
 Supervised By :Ankita Jodhani 11/08/2023

Integration File: autoint1.e  
 Quant Time: Nov 07 22:03:03 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 102823.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Oct 28 02:12:00 2023  
 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)    | 11.514 | 4272132    | 19.411 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.82%        |
| 12) S 1-chlorooctadecane (S... | 12.947 | 3087980    | 19.534 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.07%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.311  | 3763756    | 19.907 ug/ml  |
| 2) T n-Decane (C10)            | 4.372  | 3810106    | 20.038 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.953  | 3932027    | 20.365 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.383  | 3845274    | 19.906 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.007  | 3755694    | 20.438 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.171  | 3751536    | 19.882 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.765  | 3754148    | 19.861 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.201 | 3690547    | 19.555 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.504 | 3494106    | 19.435 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.114 | 3399177    | 19.361 ug/ml  |
| 13) T n-Docosane (C22)         | 13.697 | 3325384    | 19.359 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.795 | 3217026    | 19.315 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.812 | 3107642    | 19.361 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.758 | 3062410    | 19.568 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.643 | 3147943    | 19.874 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.471 | 3142134    | 19.900 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.251 | 3036143    | 19.891 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.989 | 3007084    | 19.930 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.710 | 3199902    | 21.502 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.589 | 3127522    | 21.264 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 : 6 Sample Multiplier: 1

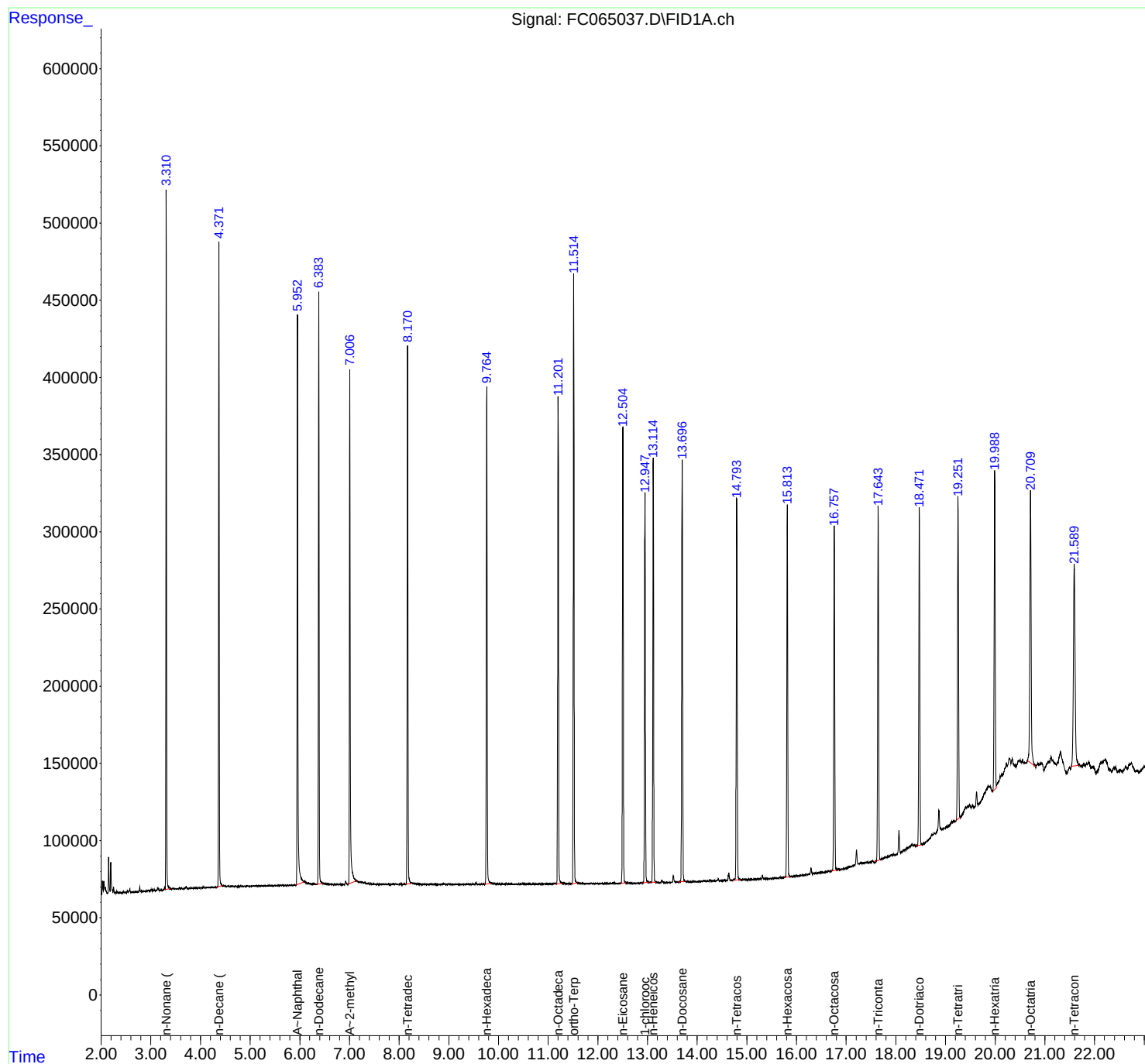
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

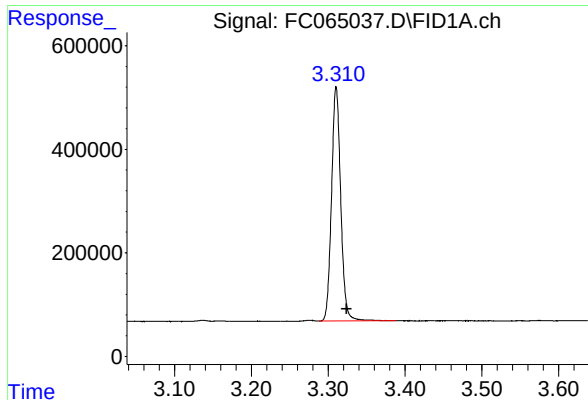
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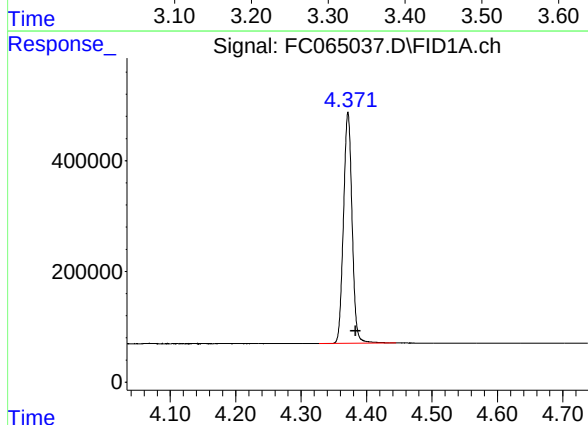
#1 n-Nonane (C9)

R.T.: 3.311 min  
Delta R.T.: -0.013 min  
Response: 3763756  
Conc: 19.91 ug/ml

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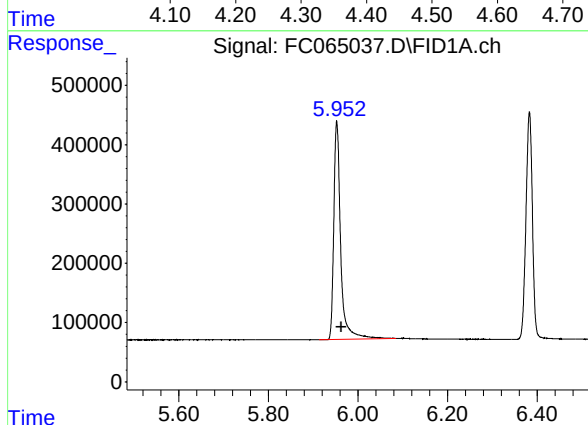
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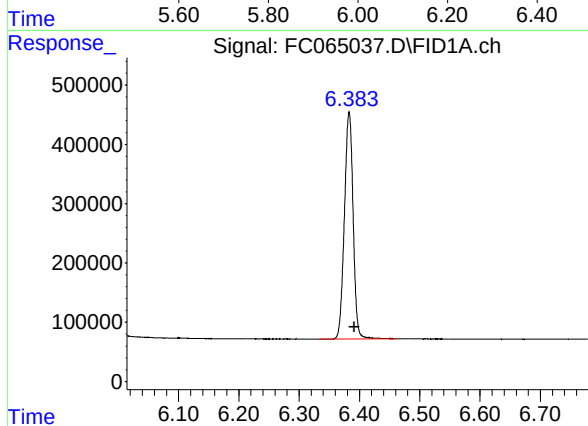
#2 n-Decane (C10)

R.T.: 4.372 min  
Delta R.T.: -0.012 min  
Response: 3810106  
Conc: 20.04 ug/ml



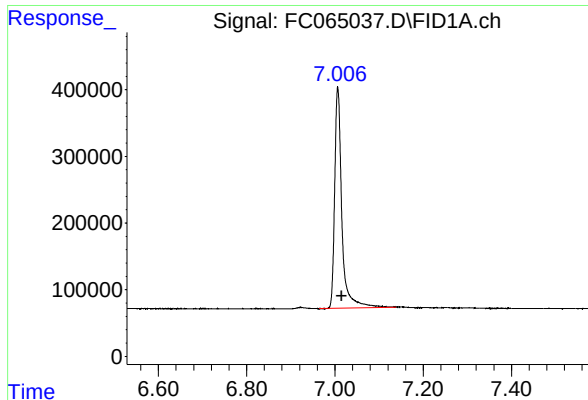
#3 A~Naphthalene (C11.7)

R.T.: 5.953 min  
Delta R.T.: -0.010 min  
Response: 3932027  
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.383 min  
Delta R.T.: -0.009 min  
Response: 3845274  
Conc: 19.91 ug/ml



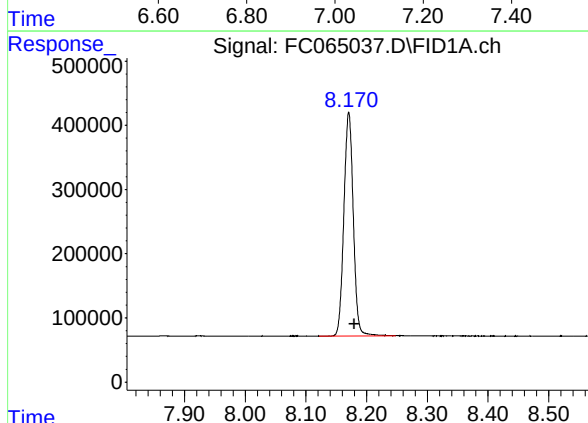
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.007 min  
Delta R.T.: -0.009 min  
Response: 3755694  
Conc: 20.44 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

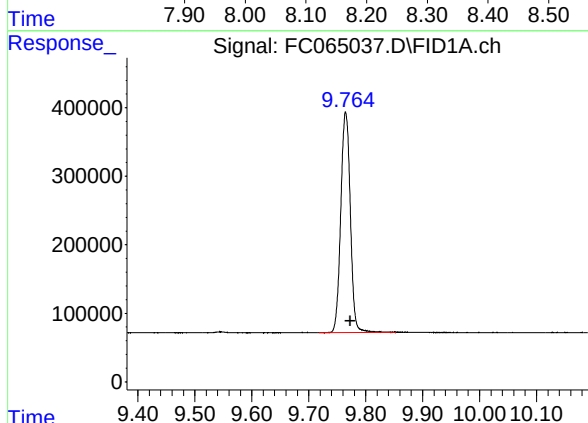
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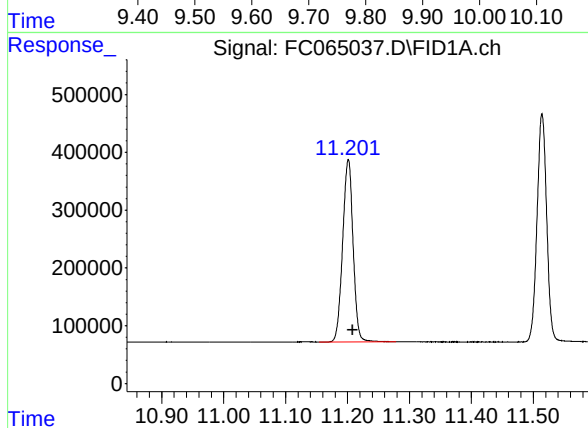
#6 n-Tetradecane (C14)

R.T.: 8.171 min  
Delta R.T.: -0.009 min  
Response: 3751536  
Conc: 19.88 ug/ml



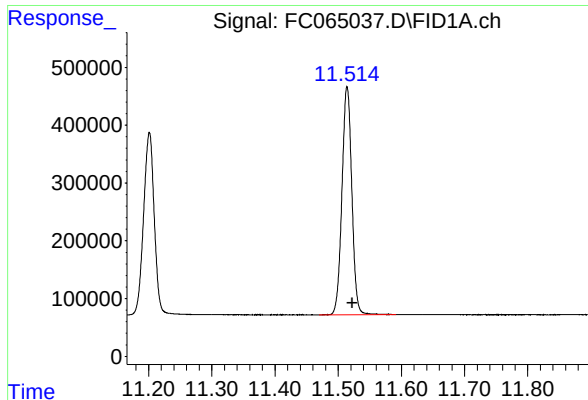
#7 n-Hexadecane (C16)

R.T.: 9.765 min  
Delta R.T.: -0.008 min  
Response: 3754148  
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.201 min  
Delta R.T.: -0.007 min  
Response: 3690547  
Conc: 19.55 ug/ml



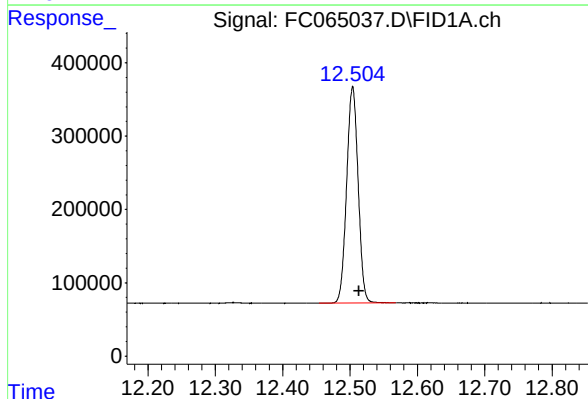
#9 ortho-Terphenyl (SURR)

R.T.: 11.514 min  
Delta R.T.: -0.009 min  
Response: 4272132  
Conc: 19.41 ug/ml

Instrument :  
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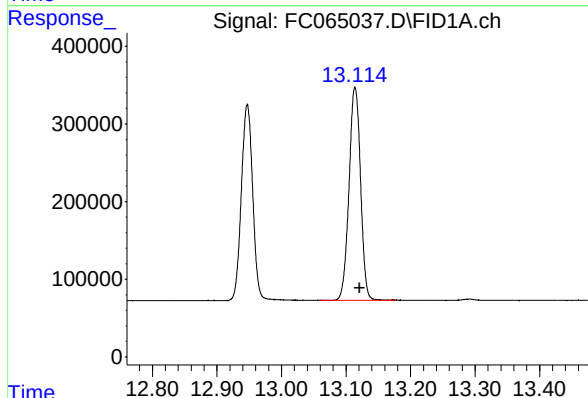
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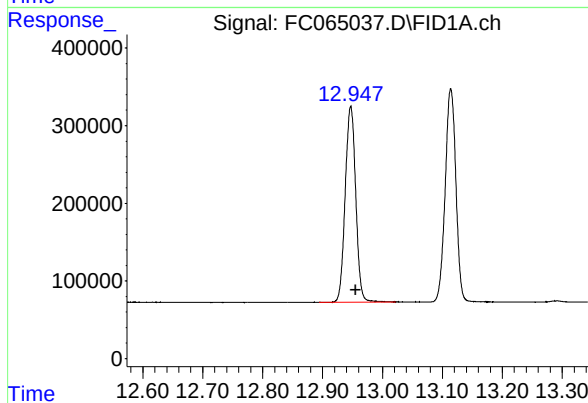
#10 n-Eicosane (C20)

R.T.: 12.504 min  
Delta R.T.: -0.009 min  
Response: 3494106  
Conc: 19.44 ug/ml



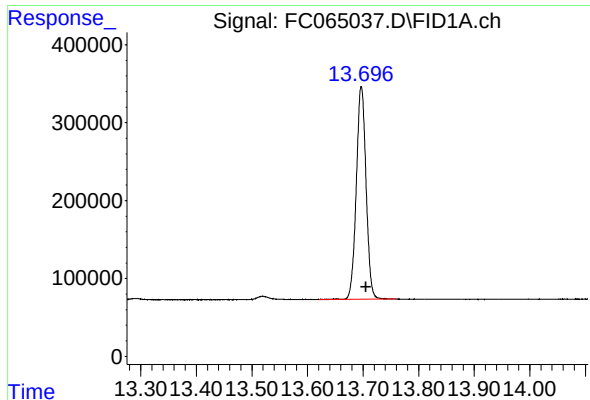
#11 n-Heneicosane (C21)

R.T.: 13.114 min  
Delta R.T.: -0.007 min  
Response: 3399177  
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.947 min  
Delta R.T.: -0.008 min  
Response: 3087980  
Conc: 19.53 ug/ml



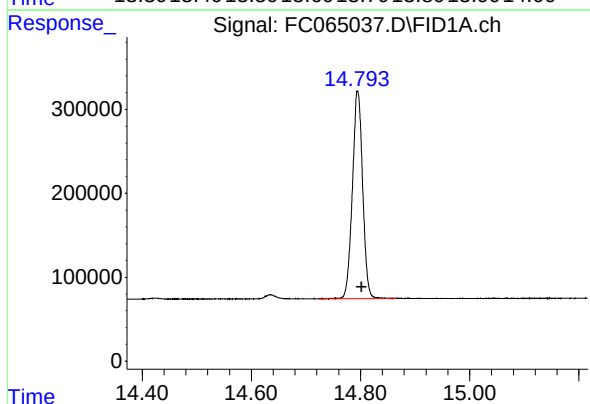
#13 n-Docosane (C22)

R.T.: 13.697 min  
Delta R.T.: -0.009 min  
Response: 3325384  
Conc: 19.36 ug/ml

Instrument :  
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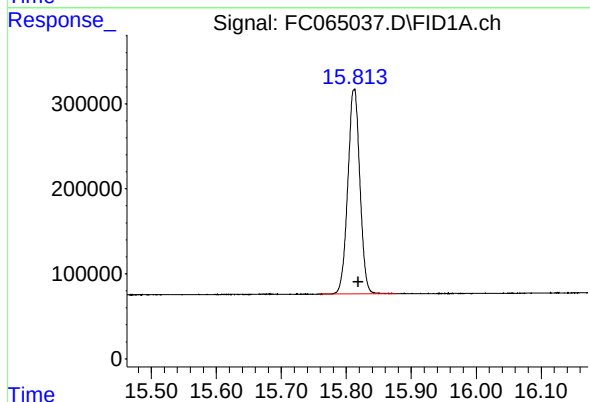
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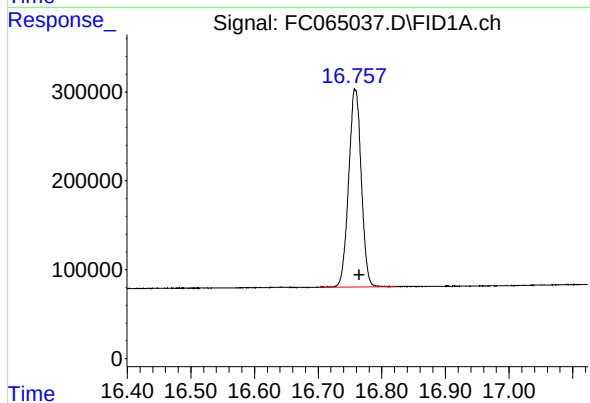
#14 n-Tetracosane (C24)

R.T.: 14.795 min  
Delta R.T.: -0.008 min  
Response: 3217026  
Conc: 19.31 ug/ml



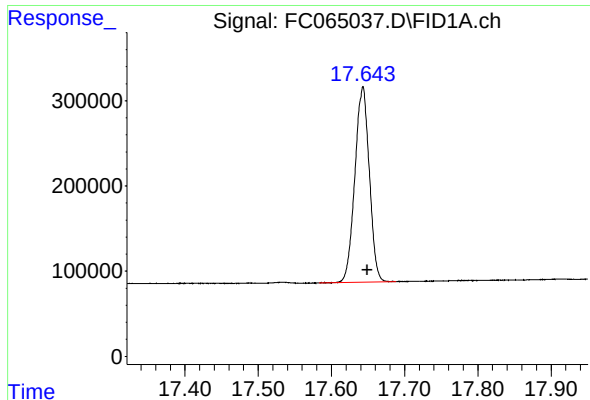
#15 n-Hexacosane (C26)

R.T.: 15.812 min  
Delta R.T.: -0.006 min  
Response: 3107642  
Conc: 19.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.758 min  
Delta R.T.: -0.007 min  
Response: 3062410  
Conc: 19.57 ug/ml



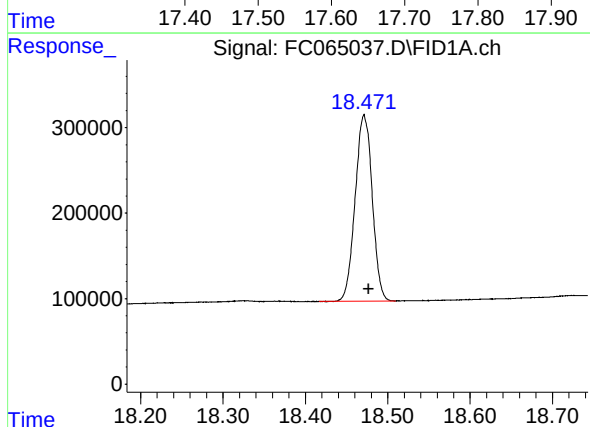
#17 n-Tricontane (C30)

R.T.: 17.643 min  
Delta R.T.: -0.006 min  
Response: 3147943  
Conc: 19.87 ug/ml

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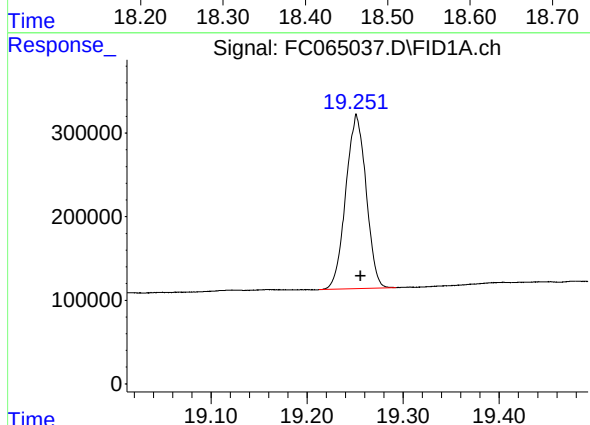
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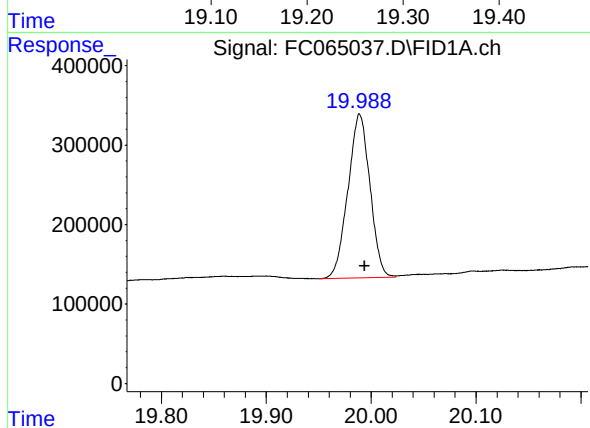
#18 n-Dotriacontane (C32)

R.T.: 18.471 min  
Delta R.T.: -0.006 min  
Response: 3142134  
Conc: 19.90 ug/ml



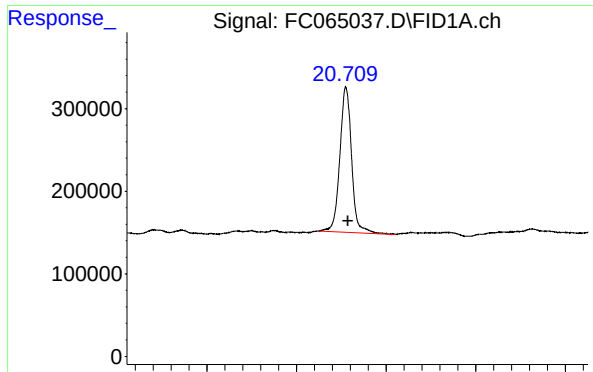
#19 n-Tetratriacontane (C34)

R.T.: 19.251 min  
Delta R.T.: -0.005 min  
Response: 3036143  
Conc: 19.89 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.989 min  
Delta R.T.: -0.005 min  
Response: 3007084  
Conc: 19.93 ug/ml



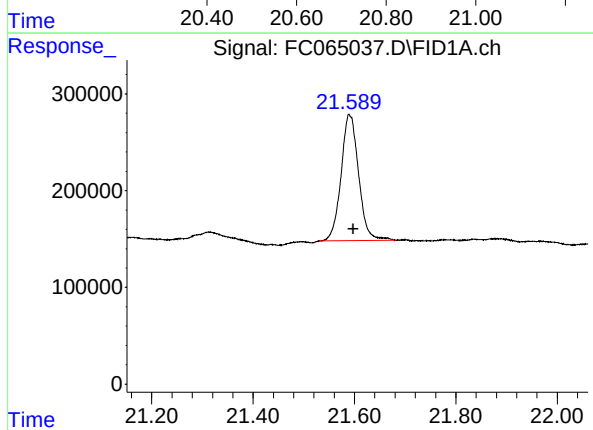
#21 n-Octatriacontane (C38)

R.T.: 20.710 min  
Delta R.T.: -0.005 min  
Response: 3199902  
Conc: 21.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.589 min  
Delta R.T.: -0.009 min  
Response: 3127522  
Conc: 21.26 ug/ml