

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC022624AL\  
 Data File : FC065853.D  
 Signal(s) : FID1A.ch  
 Acq On : 26 Feb 2024 09:37  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/27/2024  
 Supervised By :Ankita Jodhani 02/27/2024

Integration File: autoint1.e  
 Quant Time: Feb 27 02:21:58 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 020824.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Feb 08 13:26:08 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)    | 11.496 | 3321116    | 19.361 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.72%        |
| 12) S 1-chlorooctadecane (S... | 12.927 | 2462354    | 19.566 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.13%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.285  | 2809711    | 18.702 ug/ml  |
| 2) T n-Decane (C10)            | 4.348  | 2951833    | 19.414 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.936  | 3108059    | 20.155 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.362  | 2950380    | 19.277 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.992  | 2920490    | 20.509 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.152  | 2891040    | 19.473 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.747  | 2974742    | 19.836 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.182 | 3027836    | 19.629 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.484 | 2915783    | 19.390 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.093 | 2909513    | 19.454 ug/ml  |
| 13) T n-Docosane (C22)         | 13.676 | 2905820    | 19.590 ug/mlm |
| 14) T n-Tetracosane (C24)      | 14.774 | 2977555    | 20.026 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.790 | 2994991    | 20.211 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.733 | 3105910    | 21.167 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.617 | 3401164    | 22.657 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.445 | 3467588    | 23.448 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.223 | 3272526    | 22.578 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.959 | 3019865    | 21.275 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.677 | 2936013    | 20.742 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.547 | 2722606    | 19.519 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ  
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Misc :  
ALS Vial : 2 Sample Multiplier: 1

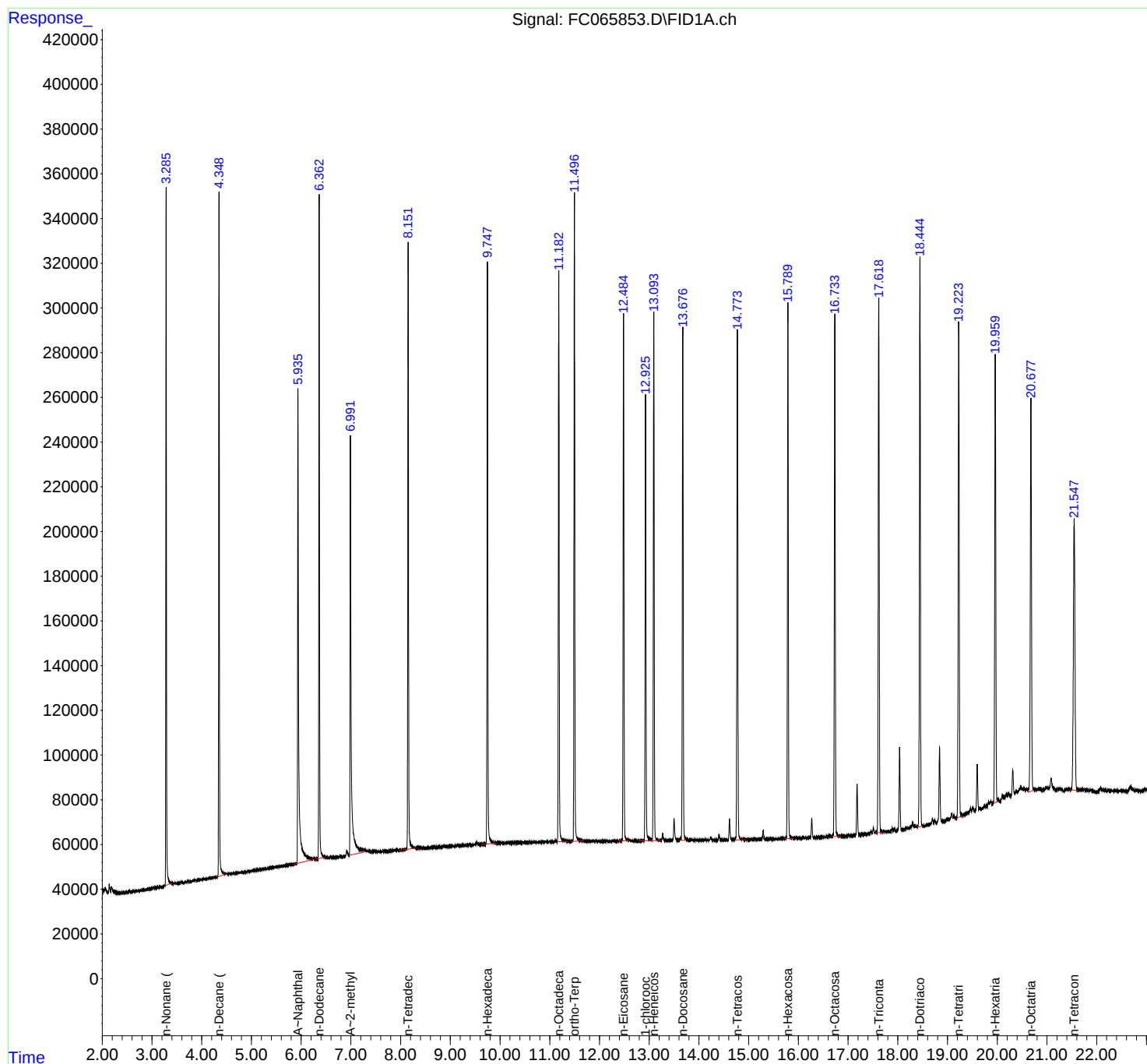
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

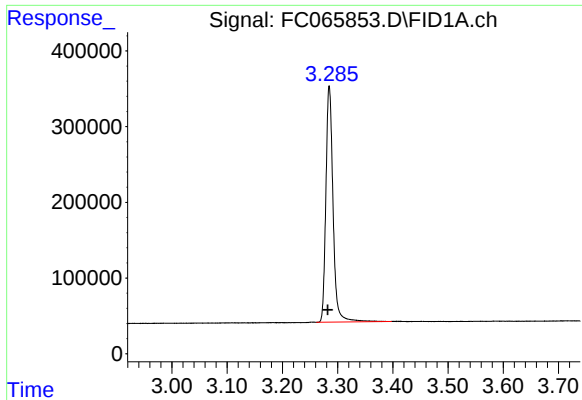
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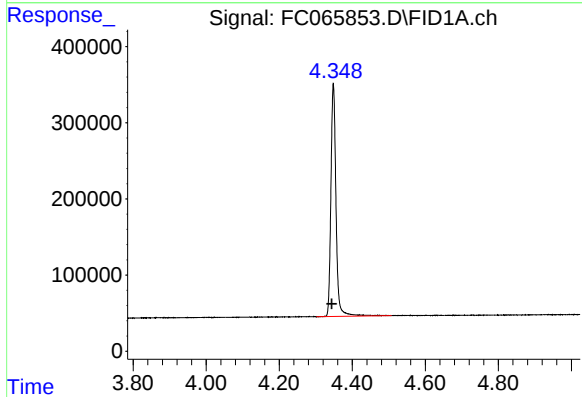
#1 n-Nonane (C9)

R.T.: 3.285 min  
Delta R.T.: 0.003 min  
Response: 2809711  
Conc: 18.70 ug/ml

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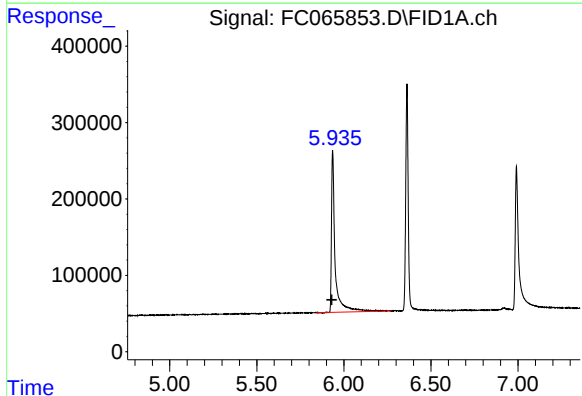
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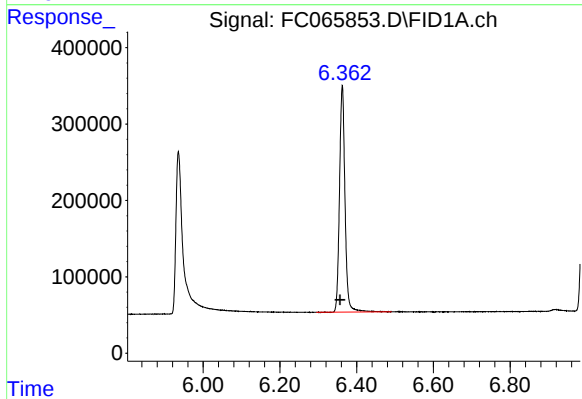
#2 n-Decane (C10)

R.T.: 4.348 min  
Delta R.T.: 0.004 min  
Response: 2951833  
Conc: 19.41 ug/ml



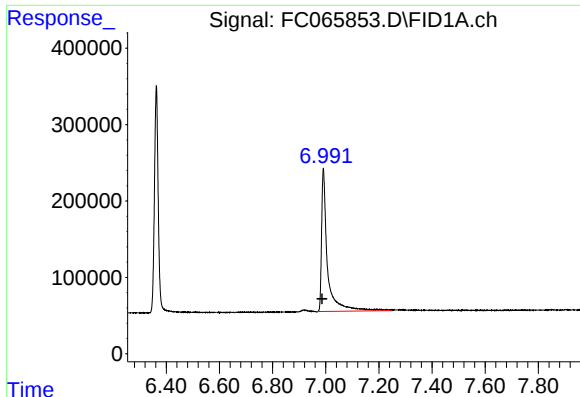
#3 A~Naphthalene (C11.7)

R.T.: 5.936 min  
Delta R.T.: 0.005 min  
Response: 3108059  
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.362 min  
Delta R.T.: 0.006 min  
Response: 2950380  
Conc: 19.28 ug/ml



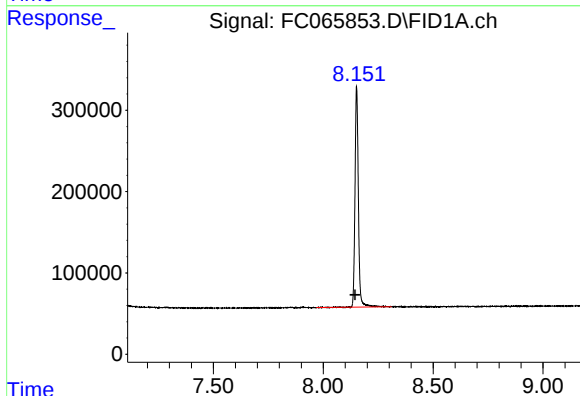
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.992 min  
Delta R.T.: 0.005 min  
Response: 2920490  
Conc: 20.51 ug/ml

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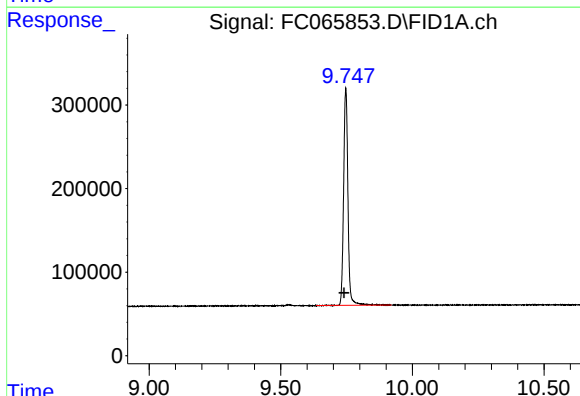
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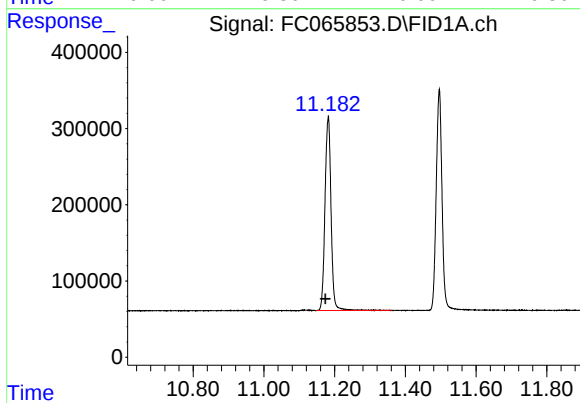
#6 n-Tetradecane (C14)

R.T.: 8.152 min  
Delta R.T.: 0.007 min  
Response: 2891040  
Conc: 19.47 ug/ml



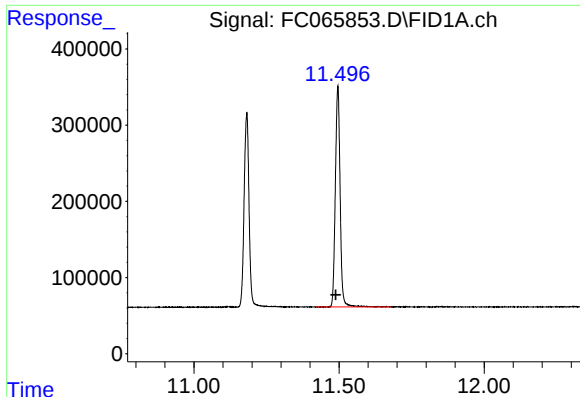
#7 n-Hexadecane (C16)

R.T.: 9.747 min  
Delta R.T.: 0.007 min  
Response: 2974742  
Conc: 19.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.182 min  
Delta R.T.: 0.007 min  
Response: 3027836  
Conc: 19.63 ug/ml



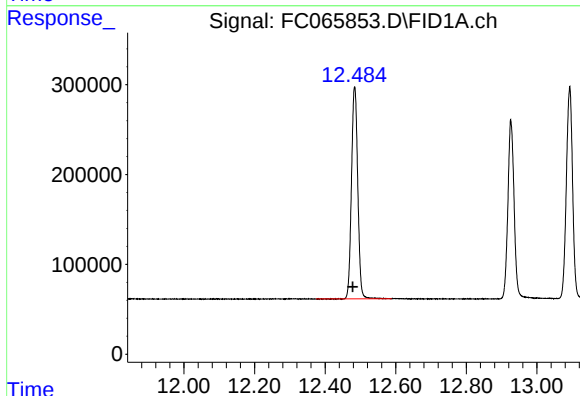
#9 ortho-Terphenyl (SURR)

R.T.: 11.496 min  
Delta R.T.: 0.007 min  
Response: 3321116  
Conc: 19.36 ug/ml

Instrument :  
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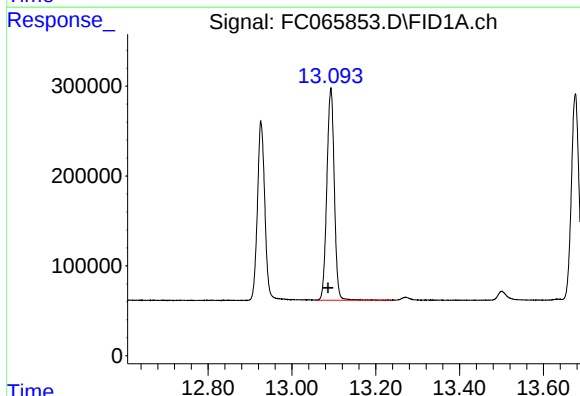
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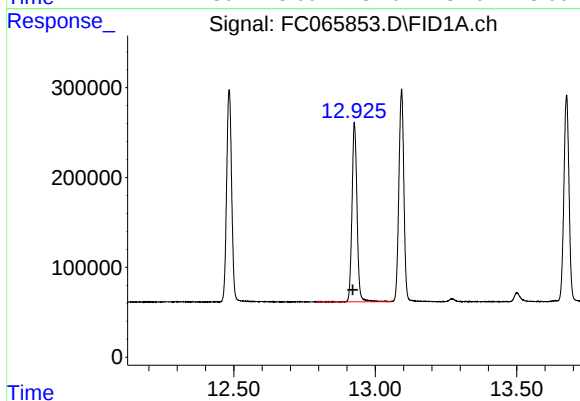
#10 n-Eicosane (C20)

R.T.: 12.484 min  
Delta R.T.: 0.006 min  
Response: 2915783  
Conc: 19.39 ug/ml



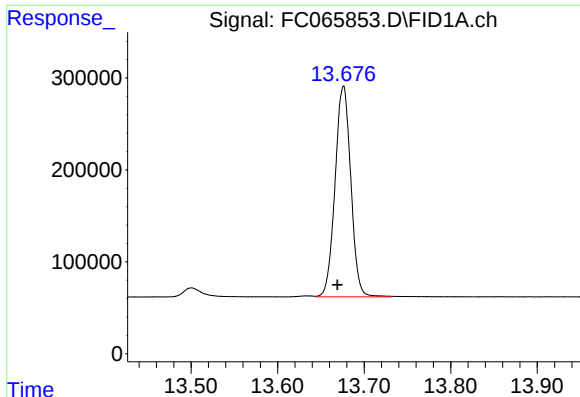
#11 n-Heneicosane (C21)

R.T.: 13.093 min  
Delta R.T.: 0.006 min  
Response: 2909513  
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.927 min  
Delta R.T.: 0.006 min  
Response: 2462354  
Conc: 19.57 ug/ml



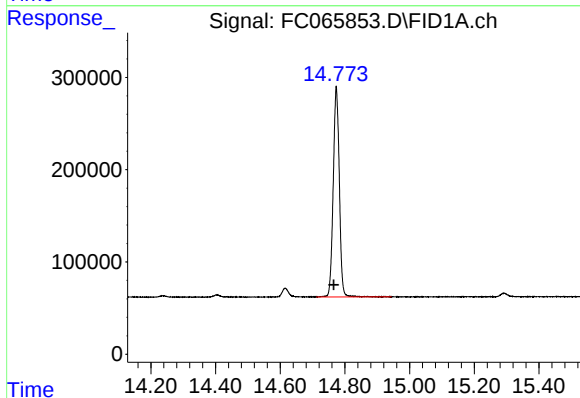
#13 n-Docosane (C22)

R.T.: 13.676 min  
Delta R.T.: 0.007 min  
Response: 2905820  
Conc: 19.59 ug/ml

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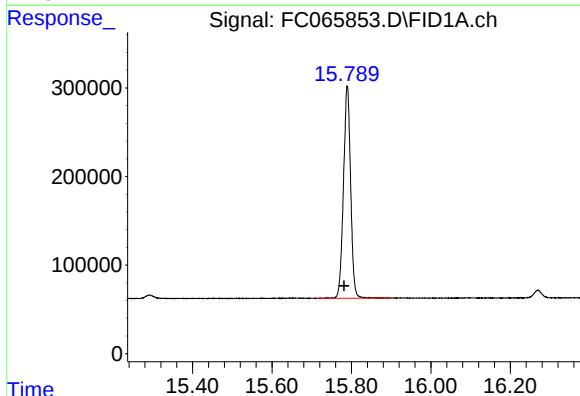
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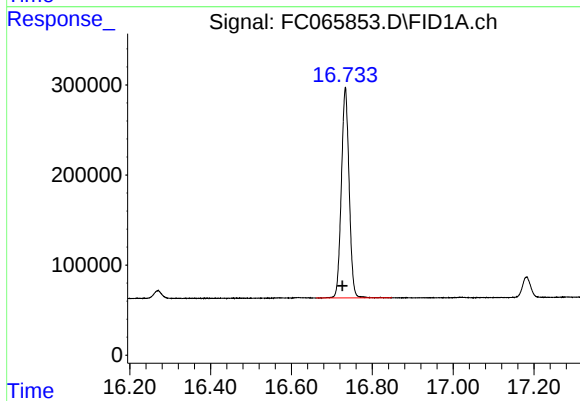
#14 n-Tetracosane (C24)

R.T.: 14.774 min  
Delta R.T.: 0.008 min  
Response: 2977555  
Conc: 20.03 ug/ml



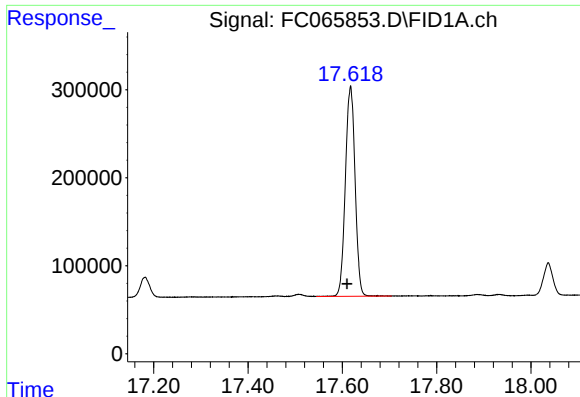
#15 n-Hexacosane (C26)

R.T.: 15.790 min  
Delta R.T.: 0.008 min  
Response: 2994991  
Conc: 20.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.733 min  
Delta R.T.: 0.007 min  
Response: 3105910  
Conc: 21.17 ug/ml



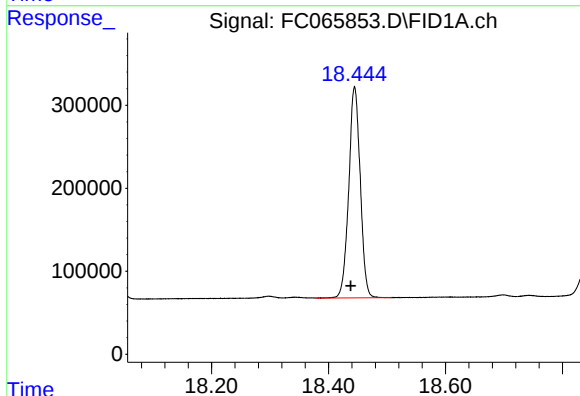
#17 n-Tricontane (C30)

R.T.: 17.617 min  
Delta R.T.: 0.007 min  
Response: 3401164  
Conc: 22.66 ug/ml

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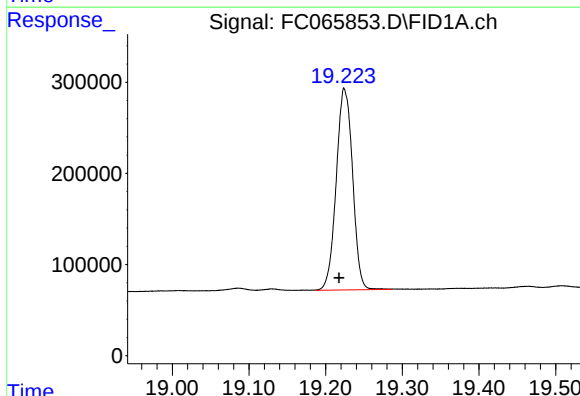
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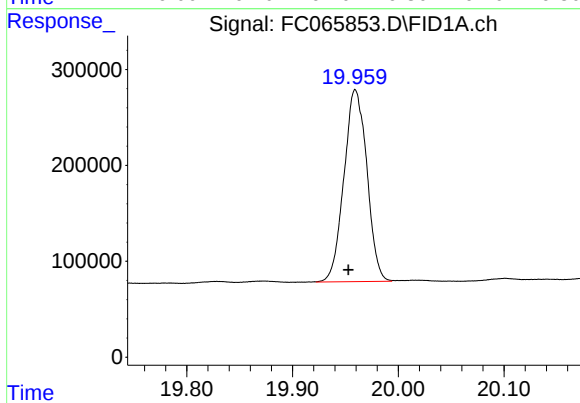
#18 n-Dotriacontane (C32)

R.T.: 18.445 min  
Delta R.T.: 0.007 min  
Response: 3467588  
Conc: 23.45 ug/ml



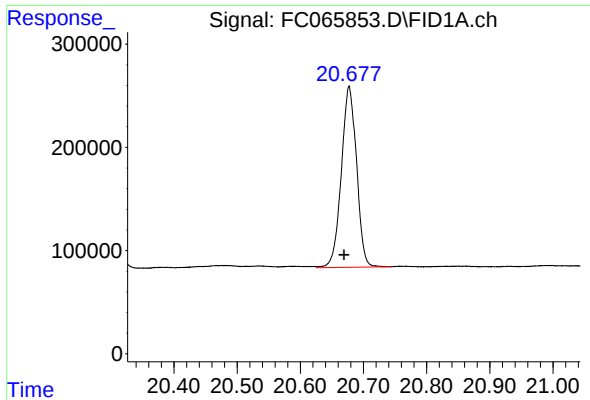
#19 n-Tetratriacontane (C34)

R.T.: 19.223 min  
Delta R.T.: 0.006 min  
Response: 3272526  
Conc: 22.58 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.959 min  
Delta R.T.: 0.006 min  
Response: 3019865  
Conc: 21.27 ug/ml m



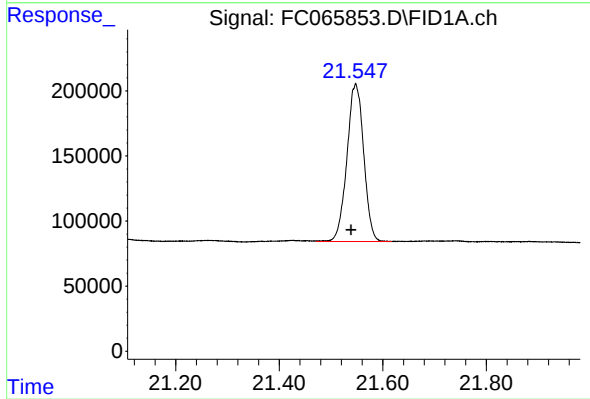
#21 n-Octatriacontane (C38)

R.T.: 20.677 min  
Delta R.T.: 0.008 min  
Response: 2936013  
Conc: 20.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.547 min  
Delta R.T.: 0.008 min  
Response: 2722606  
Conc: 19.52 ug/ml