

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC112023AL\  
 Data File : FC065254.D  
 Signal(s) : FID1A.ch  
 Acq On : 21 Nov 2023 07:27  
 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 11/21/2023  
 Supervised By :Ankita Jodhani 11/21/2023

Integration File: autoint1.e  
 Quant Time: Nov 21 07:59:43 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)    | 11.504 | 4486440    | 20.385 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.77%        |
| 12) S 1-chlorooctadecane (S... | 12.936 | 3230492    | 20.435 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.87%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.306  | 3895272    | 20.603 ug/ml  |
| 2) T n-Decane (C10)            | 4.365  | 3954919    | 20.800 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.946  | 4092733    | 21.198 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.375  | 3985706    | 20.633 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.000  | 3880880    | 21.119 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.163  | 3887887    | 20.605 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.756  | 3927078    | 20.776 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.191 | 3888322    | 20.603 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.493 | 3680914    | 20.474 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.103 | 3586951    | 20.430 ug/ml  |
| 13) T n-Docosane (C22)         | 13.686 | 3497925    | 20.364 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.783 | 3354458    | 20.140 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.798 | 3218917    | 20.055 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.742 | 3115087    | 19.905 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.626 | 3185970    | 20.114 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.456 | 3181256    | 20.148 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.236 | 3106078    | 20.349 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.972 | 3035940    | 20.121 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.692 | 2955440    | 19.860 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.565 | 2884719    | 19.613 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 21 Nov 2023 07:27  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

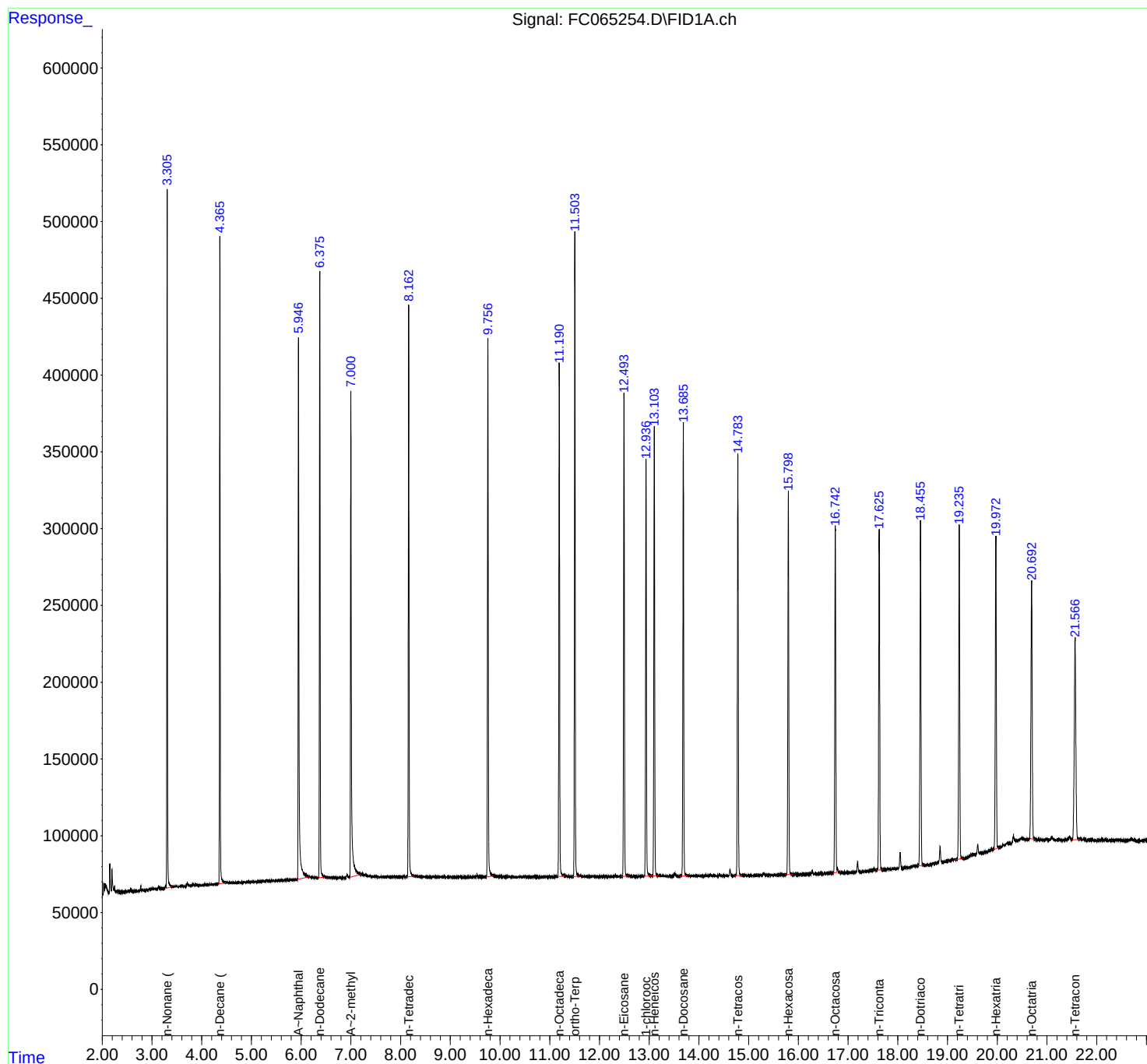
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

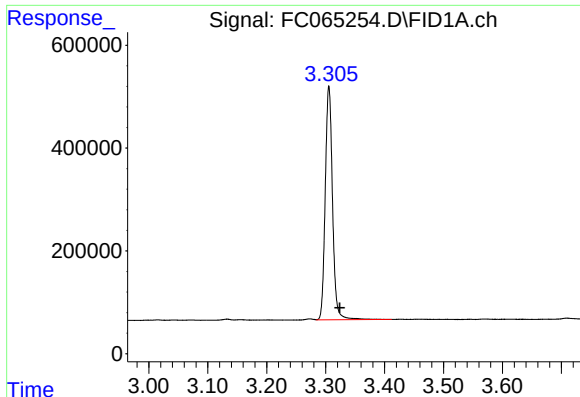
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Signal Phase : Rxi-1ms  
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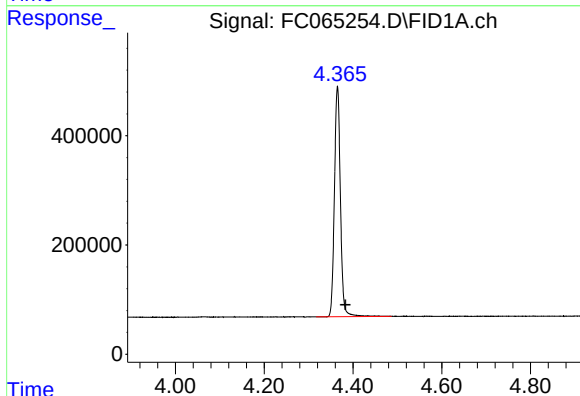
#1 n-Nonane (C9)

R.T.: 3.306 min  
Delta R.T.: -0.018 min  
Response: 3895272  
Conc: 20.60 ug/ml

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

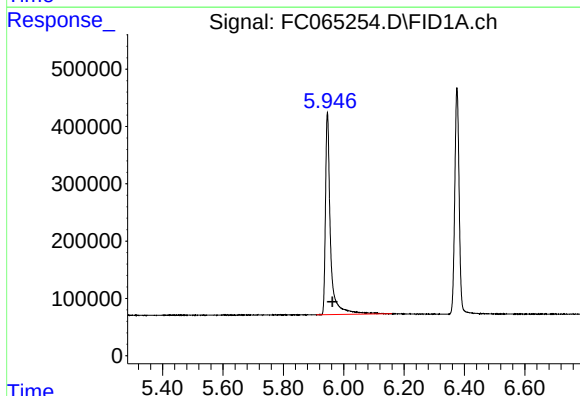
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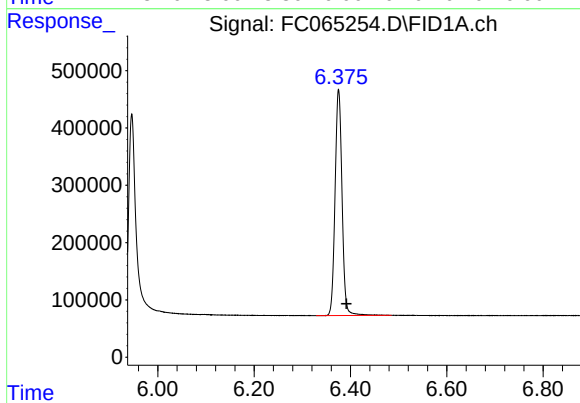
#2 n-Decane (C10)

R.T.: 4.365 min  
Delta R.T.: -0.018 min  
Response: 3954919  
Conc: 20.80 ug/ml



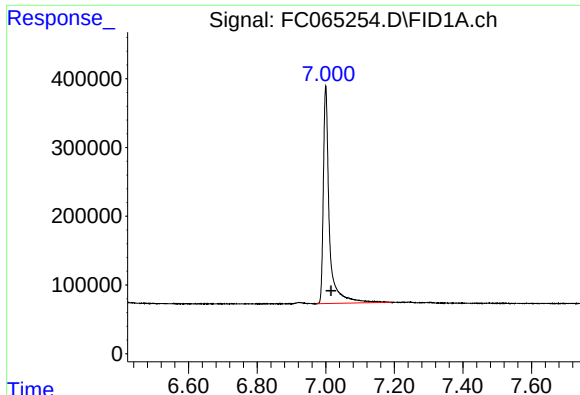
#3 A~Naphthalene (C11.7)

R.T.: 5.946 min  
Delta R.T.: -0.017 min  
Response: 4092733  
Conc: 21.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.375 min  
Delta R.T.: -0.016 min  
Response: 3985706  
Conc: 20.63 ug/ml



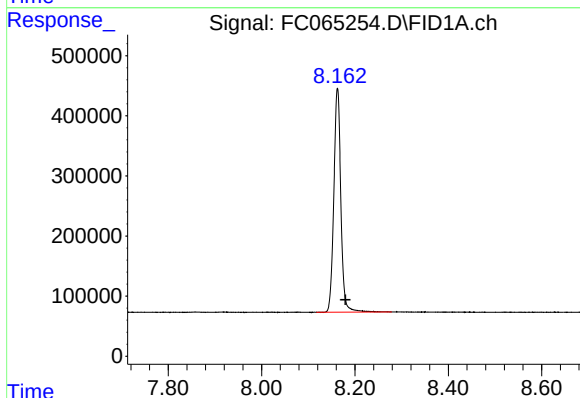
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.000 min  
Delta R.T.: -0.016 min  
Response: 3880880  
Conc: 21.12 ug/ml

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

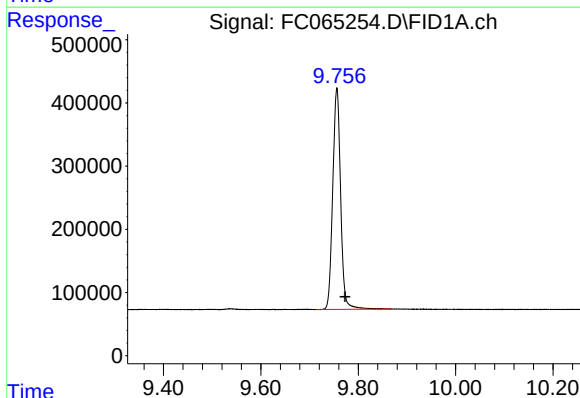
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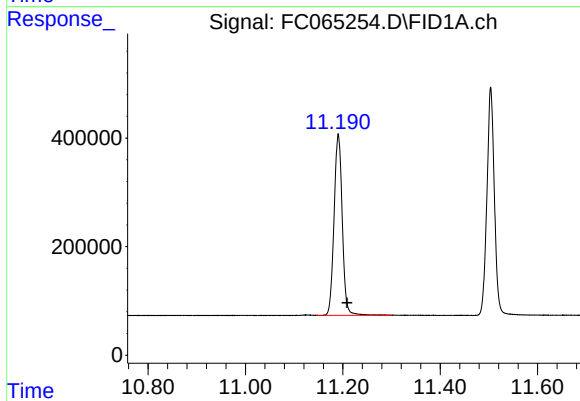
#6 n-Tetradecane (C14)

R.T.: 8.163 min  
Delta R.T.: -0.017 min  
Response: 3887887  
Conc: 20.60 ug/ml



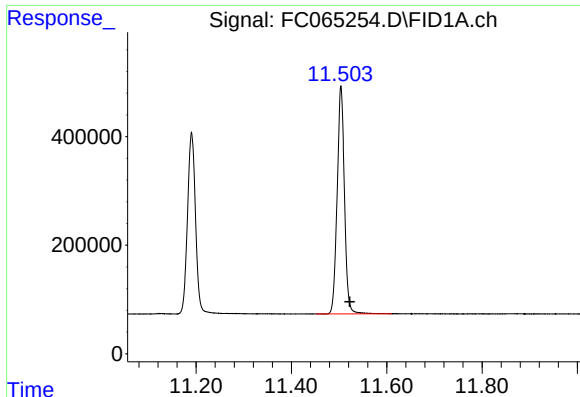
#7 n-Hexadecane (C16)

R.T.: 9.756 min  
Delta R.T.: -0.017 min  
Response: 3927078  
Conc: 20.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.191 min  
Delta R.T.: -0.018 min  
Response: 3888322  
Conc: 20.60 ug/ml



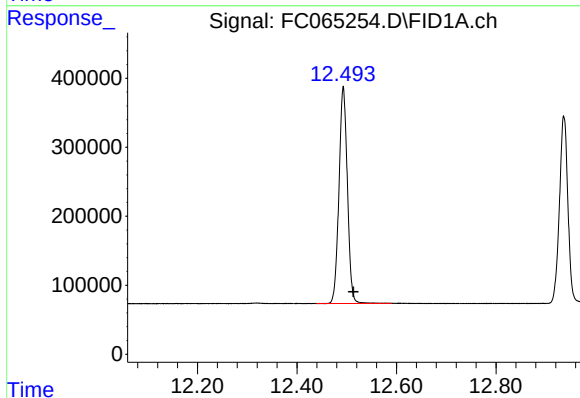
#9 ortho-Terphenyl (SURR)

R.T.: 11.504 min  
Delta R.T.: -0.019 min  
Response: 4486440  
Conc: 20.39 ug/ml

Instrument :  
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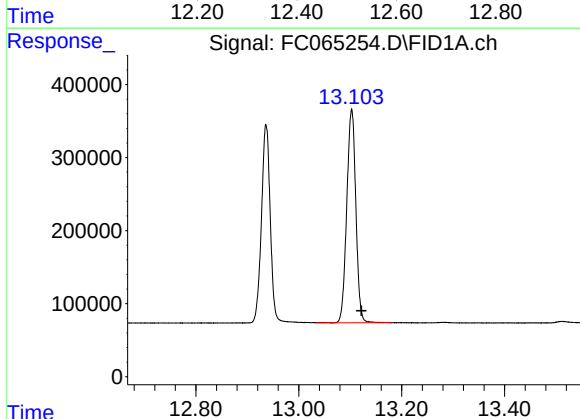
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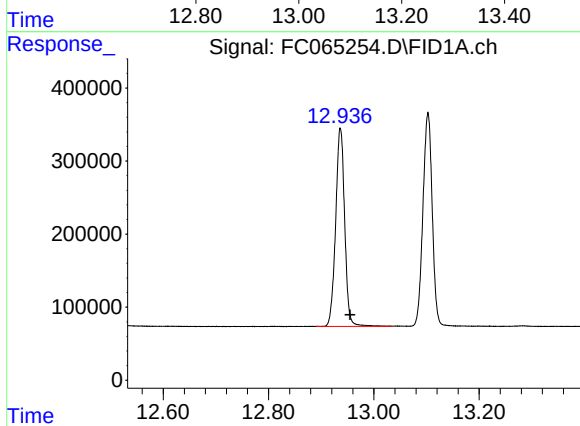
#10 n-Eicosane (C20)

R.T.: 12.493 min  
Delta R.T.: -0.020 min  
Response: 3680914  
Conc: 20.47 ug/ml



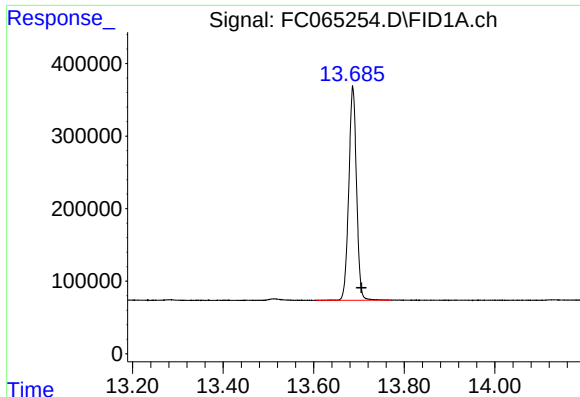
#11 n-Heneicosane (C21)

R.T.: 13.103 min  
Delta R.T.: -0.019 min  
Response: 3586951  
Conc: 20.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.936 min  
Delta R.T.: -0.018 min  
Response: 3230492  
Conc: 20.44 ug/ml



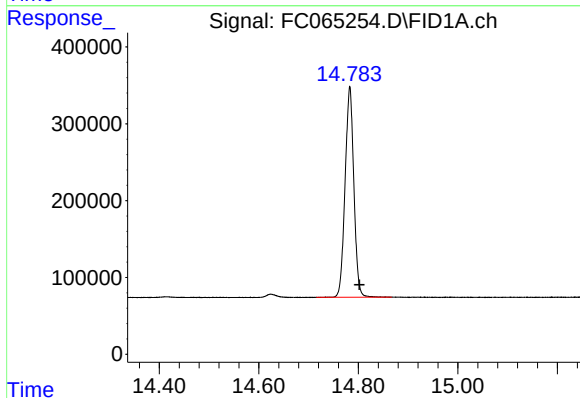
#13 n-Docosane (C22)

R.T.: 13.686 min  
Delta R.T.: -0.019 min  
Response: 3497925  
Conc: 20.36 ug/ml

Instrument :  
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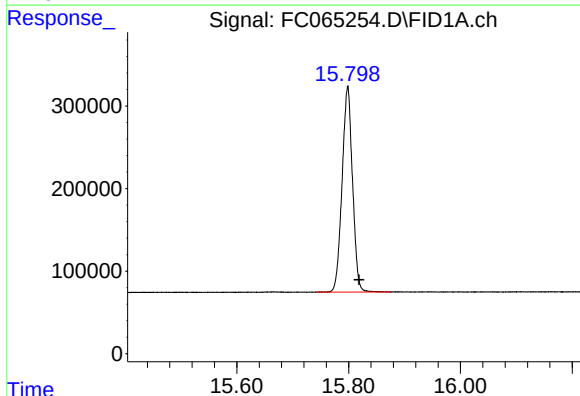
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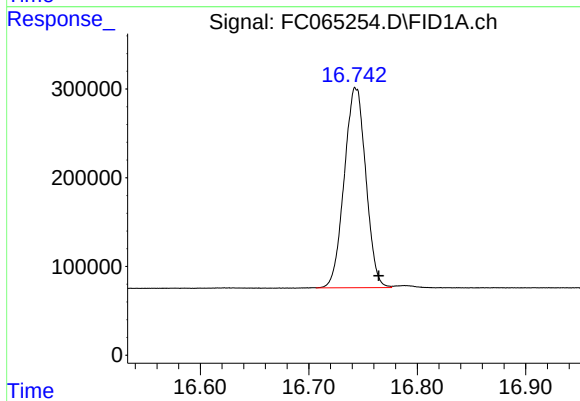
#14 n-Tetracosane (C24)

R.T.: 14.783 min  
Delta R.T.: -0.019 min  
Response: 3354458  
Conc: 20.14 ug/ml



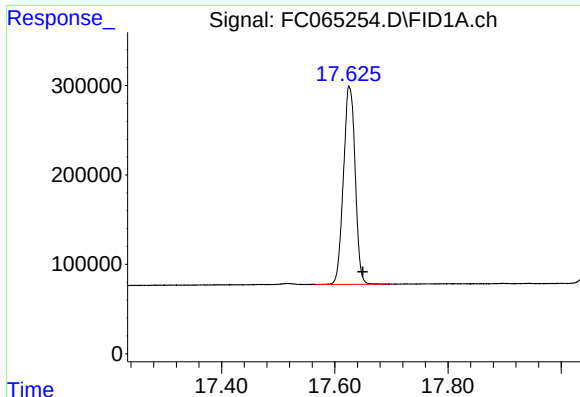
#15 n-Hexacosane (C26)

R.T.: 15.798 min  
Delta R.T.: -0.020 min  
Response: 3218917  
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.742 min  
Delta R.T.: -0.023 min  
Response: 3115087  
Conc: 19.90 ug/ml m



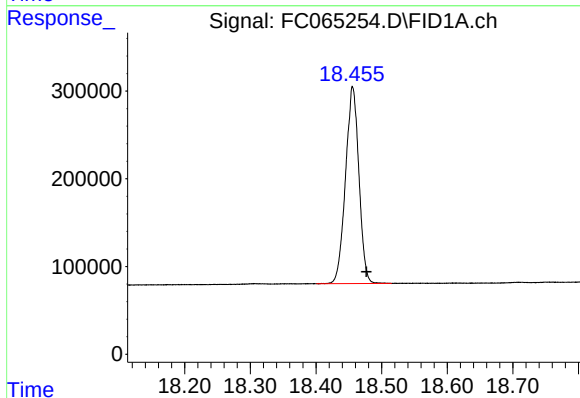
#17 n-Tricontane (C30)

R.T.: 17.626 min  
Delta R.T.: -0.024 min  
Response: 3185970  
Conc: 20.11 ug/ml

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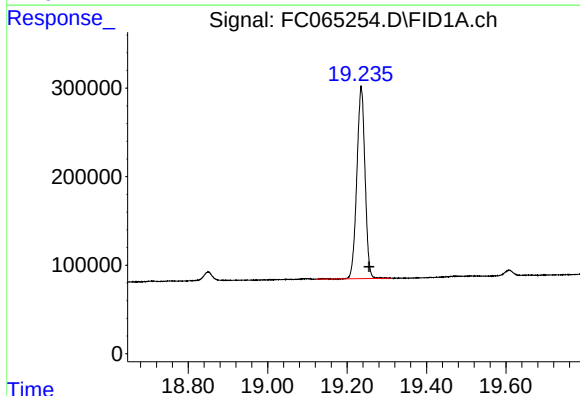
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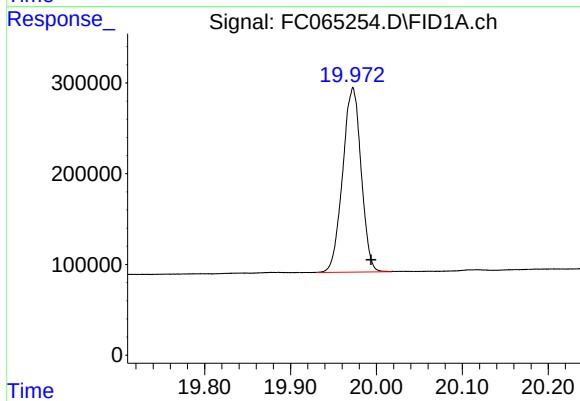
#18 n-Dotriacontane (C32)

R.T.: 18.456 min  
Delta R.T.: -0.021 min  
Response: 3181256  
Conc: 20.15 ug/ml



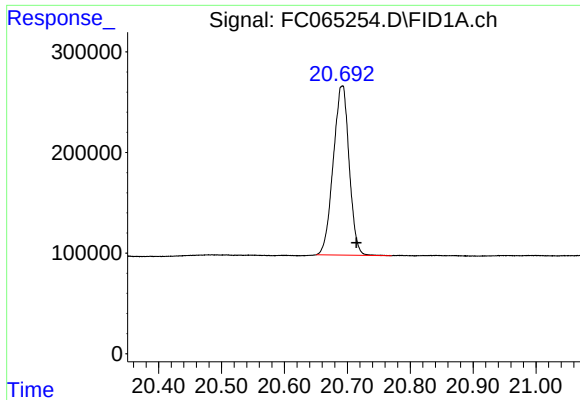
#19 n-Tetratriacontane (C34)

R.T.: 19.236 min  
Delta R.T.: -0.020 min  
Response: 3106078  
Conc: 20.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.972 min  
Delta R.T.: -0.021 min  
Response: 3035940  
Conc: 20.12 ug/ml m



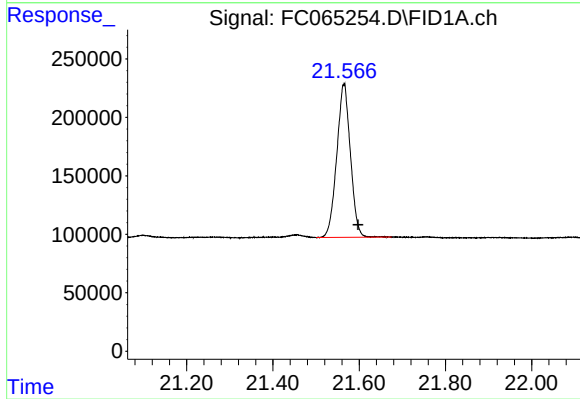
#21 n-Octatriacontane (C38)

R.T.: 20.692 min  
Delta R.T.: -0.022 min  
Response: 2955440  
Conc: 19.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.565 min  
Delta R.T.: -0.033 min  
Response: 2884719  
Conc: 19.61 ug/ml