

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092322AL\
 Data File : FE037782.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2022 08:18
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2022
 Supervised By :Ankita Jodhani 09/26/2022

Integration File: autoint1.e
 Quant Time: Sep 26 10:38:51 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 082922.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 30 06:54:11 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)	11.617	3474372	20.559 ug/ml
Spiked Amount 50.000		Recovery =	41.12%
12) S 1-chlorooctadecane (S...	13.040	2677827	20.807 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
Target Compounds			
1) T n-Nonane (C9)	3.013	3334527	21.793 ug/mlm
2) T n-Decane (C10)	4.271	3397066	22.034 ug/ml
3) T A~Naphthalene (C11.7)	5.987	3293649	22.861 ug/ml
4) T n-Dodecane (C12)	6.443	3463421	21.902 ug/ml
5) T A~2-methylnaphthalene...	7.080	3195982	22.892 ug/ml
6) T n-Tetradecane (C14)	9.861	3443589	21.733 ug/ml
7) T n-Hexadecane (C16)	9.861	3443589	21.733 ug/ml
8) T n-Octadecane (C18)	11.295	3389959	21.288 ug/ml
10) T n-Eicosane (C20)	12.598	3288892	20.787 ug/ml
11) T n-Heneicosane (C21)	13.206	3232923	20.502 ug/ml
13) T n-Docosane (C22)	13.789	3181815	20.440 ug/ml
14) T n-Tetracosane (C24)	14.886	3094869	20.577 ug/ml
15) T n-Hexacosane (C26)	15.902	3030576	20.929 ug/ml
16) T n-Octacosane (C28)	16.846	3015509	21.767 ug/ml
17) T n-Tricontane (C30)	17.729	3123091	22.959 ug/ml
18) T n-Dotriacontane (C32)	18.558	3211152	24.048 ug/ml
19) T n-Tetratriacontane (C34)	19.338	3013195	23.815 ug/ml
20) T n-Hexatriacontane (C36)	20.073	2963618	23.043 ug/ml
21) T n-Octatriacontane (C38)	20.768	2798445	22.485 ug/ml
22) T n-Tetracontane (C40)	21.544	2652129	20.573 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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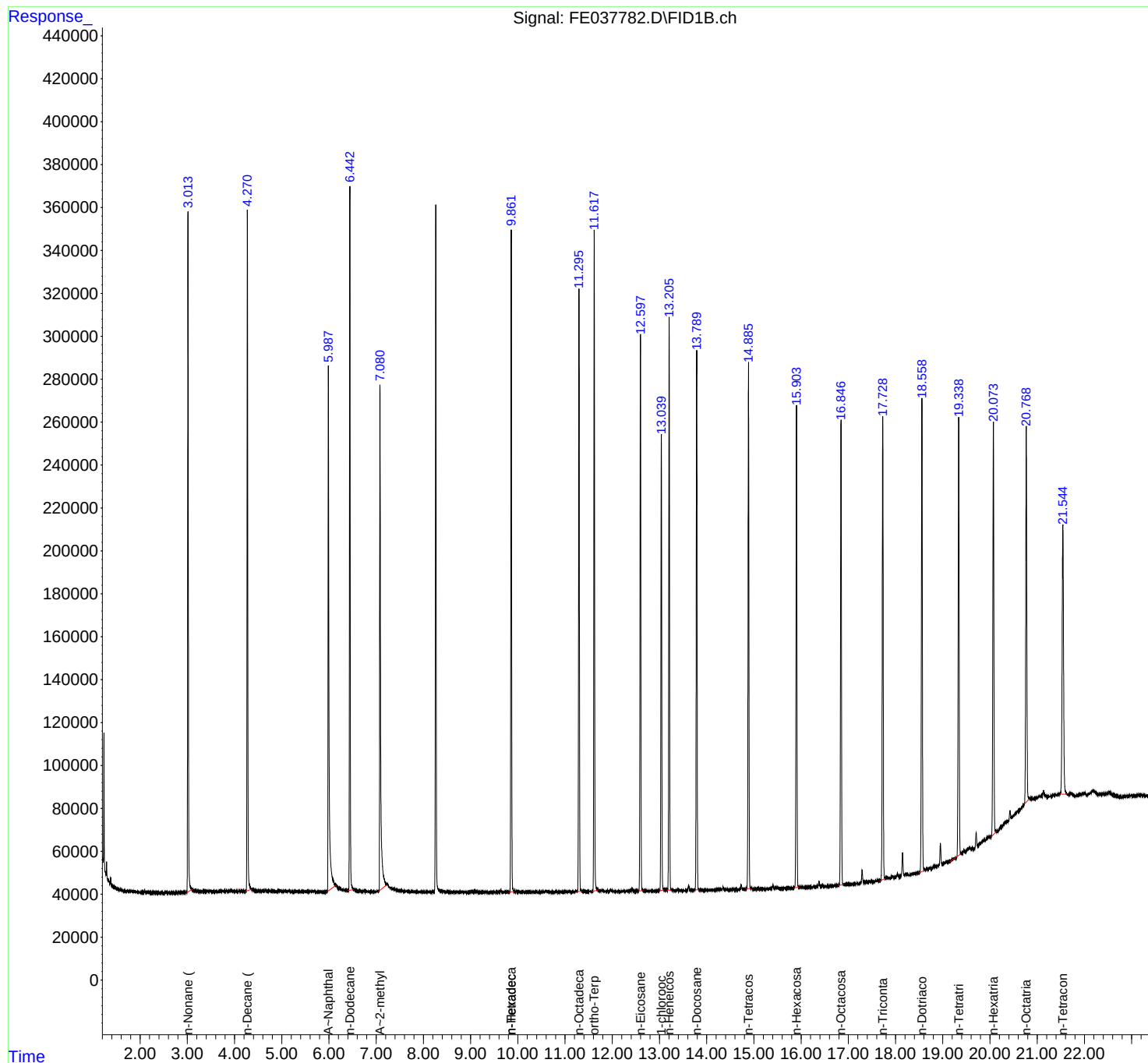
Instrument :
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20 PPM ALIPHATIC HC STD

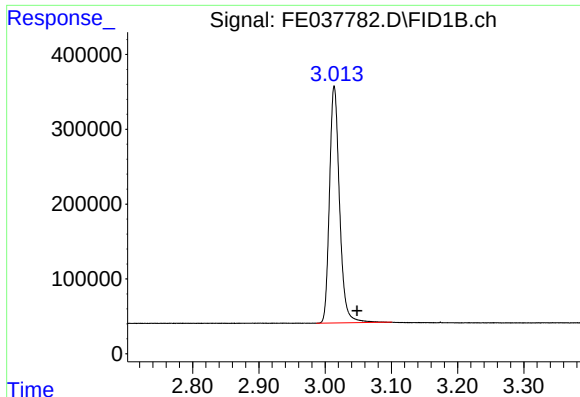
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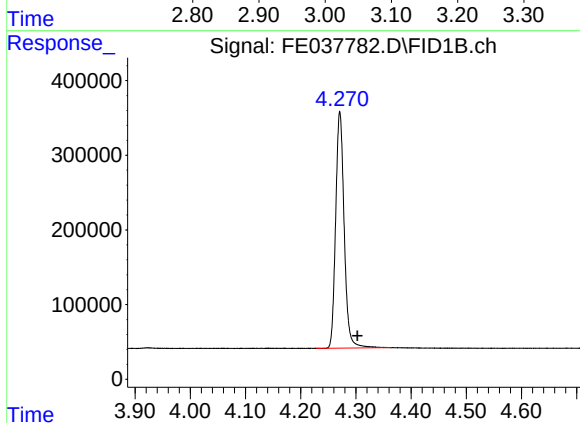
#1 n-Nonane (C9)

R.T.: 3.013 min
Delta R.T.: -0.035 min
Response: 3334527
Conc: 21.79 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

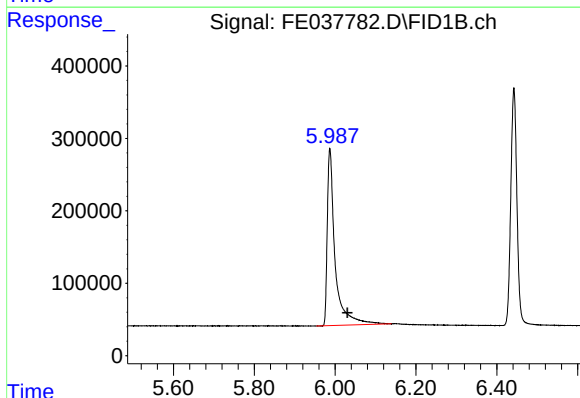
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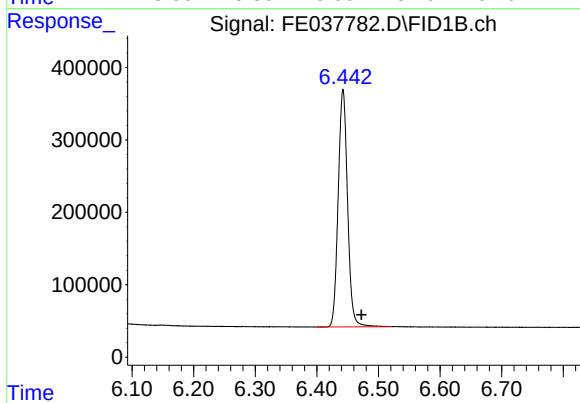
#2 n-Decane (C10)

R.T.: 4.271 min
Delta R.T.: -0.032 min
Response: 3397066
Conc: 22.03 ug/ml



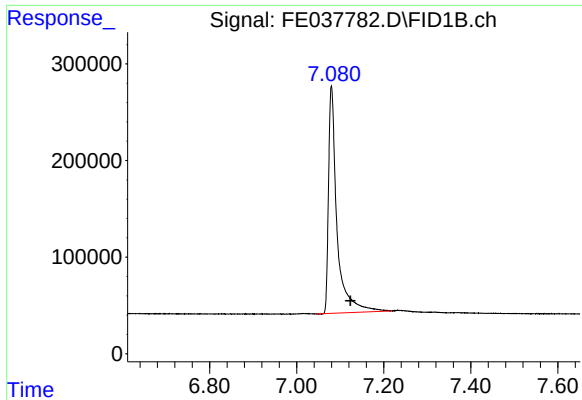
#3 A~Naphthalene (C11.7)

R.T.: 5.987 min
Delta R.T.: -0.043 min
Response: 3293649
Conc: 22.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.443 min
Delta R.T.: -0.030 min
Response: 3463421
Conc: 21.90 ug/ml



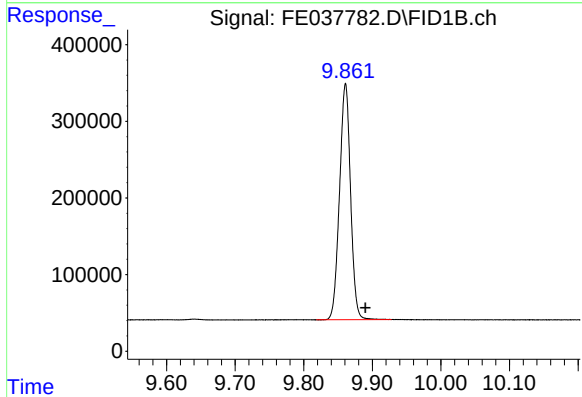
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.080 min
Delta R.T.: -0.043 min
Response: 3195982
Conc: 22.89 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

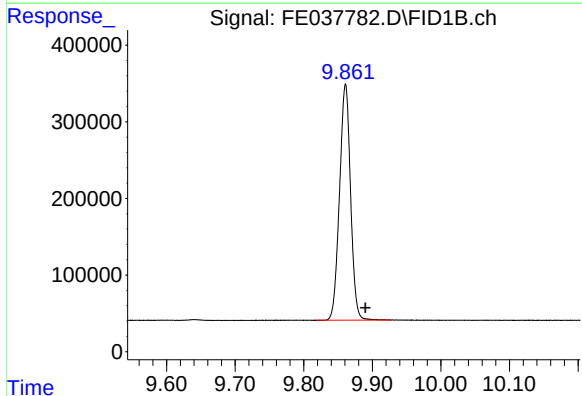
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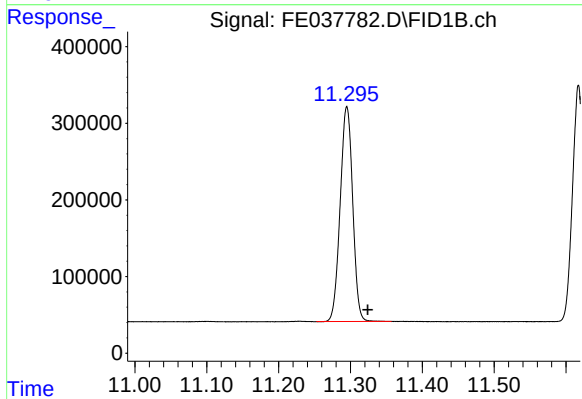
#6 n-Tetradecane (C14)

R.T.: 9.861 min
Delta R.T.: -0.029 min
Response: 3443589
Conc: 21.73 ug/ml



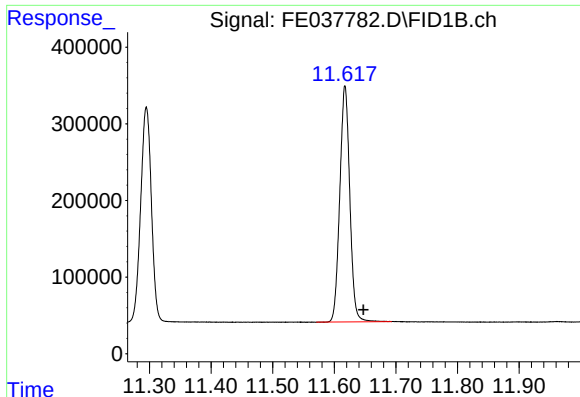
#7 n-Hexadecane (C16)

R.T.: 9.861 min
Delta R.T.: -0.029 min
Response: 3443589
Conc: 21.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.295 min
Delta R.T.: -0.029 min
Response: 3389959
Conc: 21.29 ug/ml



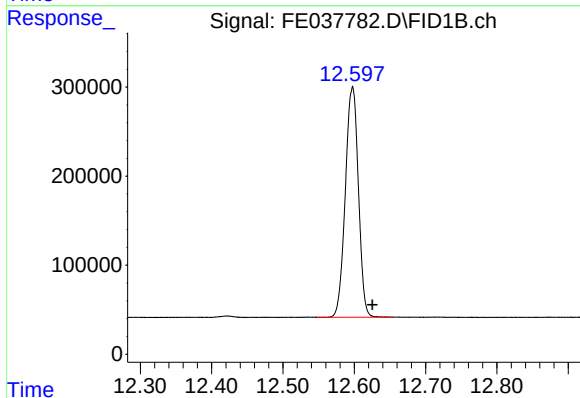
#9 ortho-Terphenyl (SURR)

R.T.: 11.617 min
Delta R.T.: -0.030 min
Response: 3474372
Conc: 20.56 ug/ml

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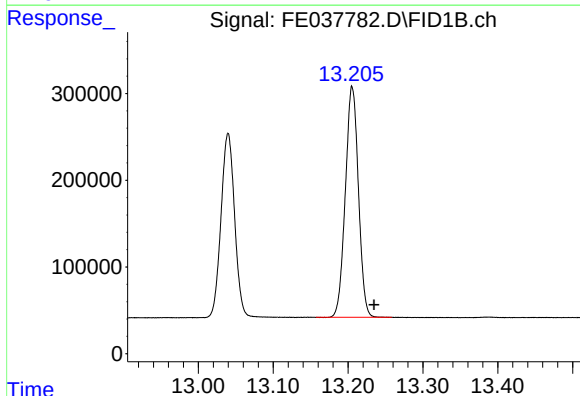
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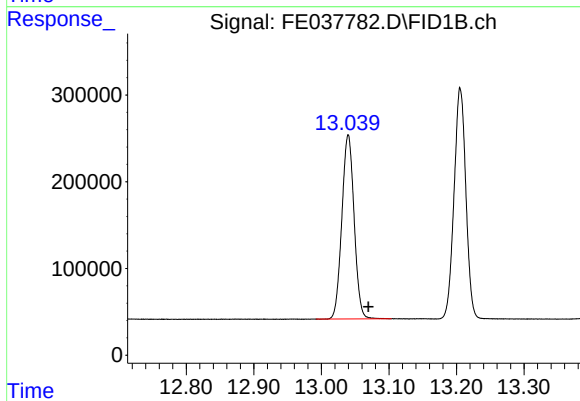
#10 n-Eicosane (C20)

R.T.: 12.598 min
Delta R.T.: -0.028 min
Response: 3288892
Conc: 20.79 ug/ml



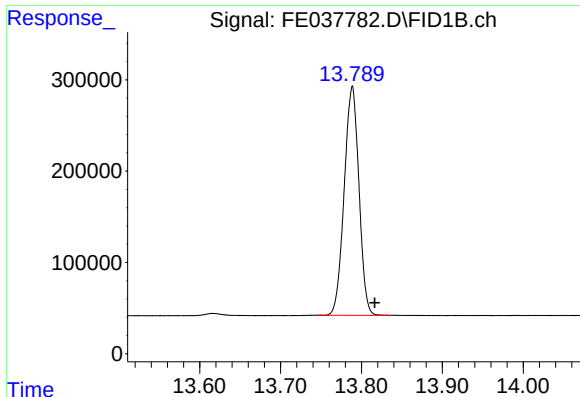
#11 n-Heneicosane (C21)

R.T.: 13.206 min
Delta R.T.: -0.029 min
Response: 3232923
Conc: 20.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.040 min
Delta R.T.: -0.030 min
Response: 2677827
Conc: 20.81 ug/ml



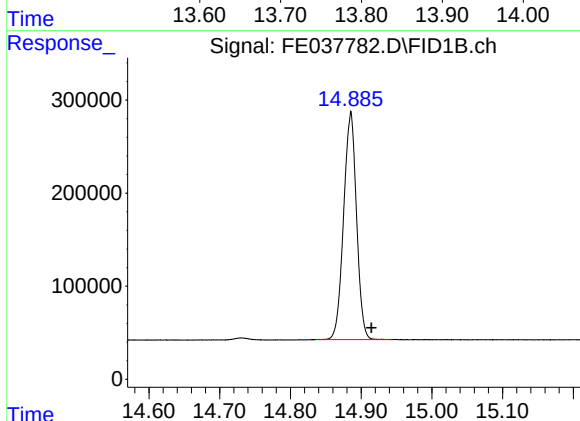
#13 n-Docosane (C22)

R.T.: 13.789 min
Delta R.T.: -0.028 min
Response: 3181815
Conc: 20.44 ug/ml

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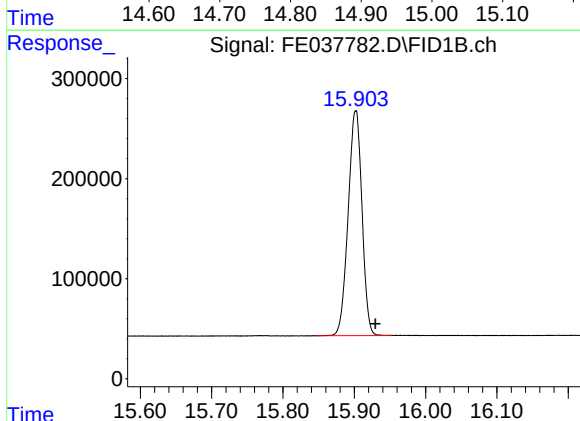
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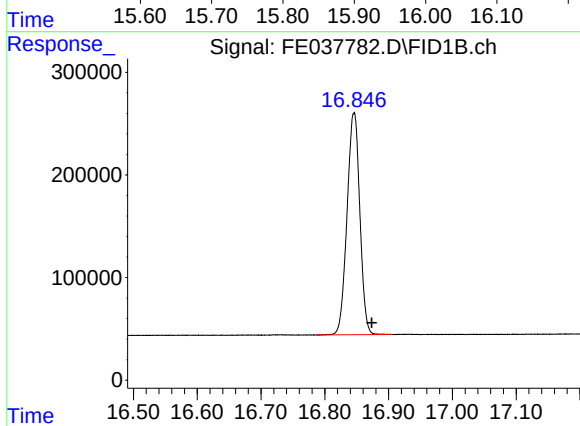
#14 n-Tetracosane (C24)

R.T.: 14.886 min
Delta R.T.: -0.029 min
Response: 3094869
Conc: 20.58 ug/ml



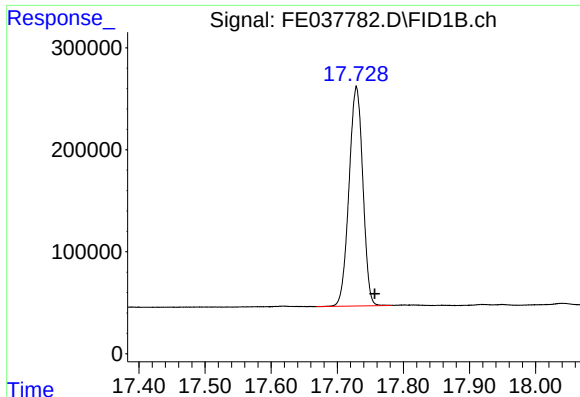
#15 n-Hexacosane (C26)

R.T.: 15.902 min
Delta R.T.: -0.027 min
Response: 3030576
Conc: 20.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.846 min
Delta R.T.: -0.028 min
Response: 3015509
Conc: 21.77 ug/ml



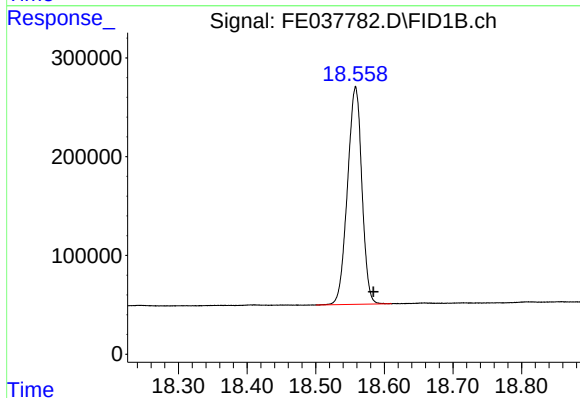
#17 n-Tricontane (C30)

R.T.: 17.729 min
Delta R.T.: -0.028 min
Response: 3123091
Conc: 22.96 ug/ml

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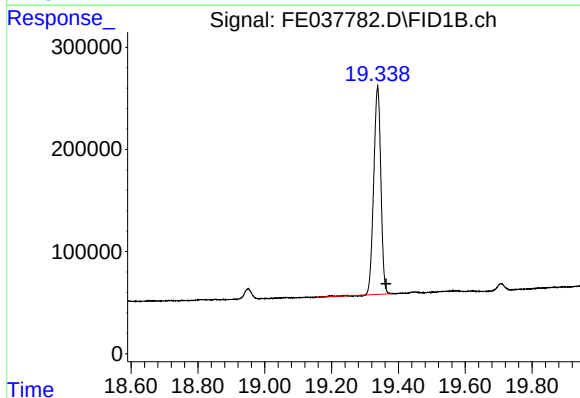
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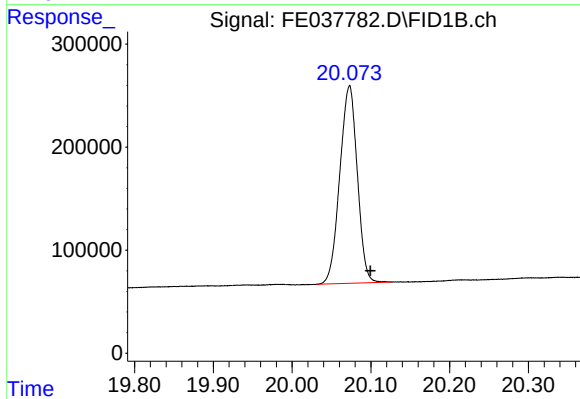
#18 n-Dotriacontane (C32)

R.T.: 18.558 min
Delta R.T.: -0.026 min
Response: 3211152
Conc: 24.05 ug/ml



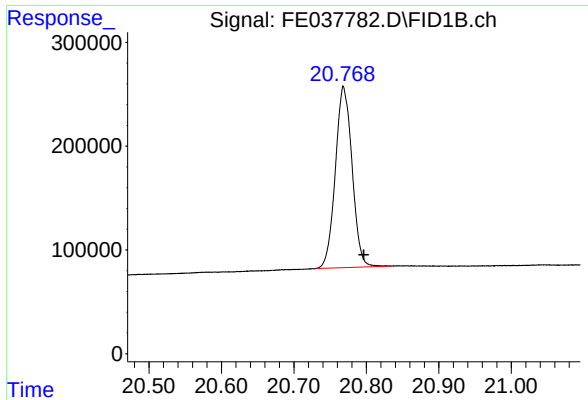
#19 n-Tetratriacontane (C34)

R.T.: 19.338 min
Delta R.T.: -0.025 min
Response: 3013195
Conc: 23.81 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.073 min
Delta R.T.: -0.026 min
Response: 2963618
Conc: 23.04 ug/ml



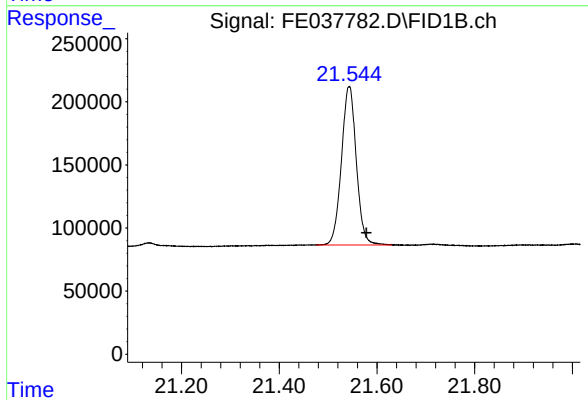
#21 n-Octatriacontane (C38)

R.T.: 20.768 min
Delta R.T.: -0.028 min
Response: 2798445
Conc: 22.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.544 min
Delta R.T.: -0.034 min
Response: 2652129
Conc: 20.57 ug/ml m