

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110322AL\
 Data File : FE038552.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2022 01:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2022
 Supervised By :Ankita Jodhani 11/04/2022

Integration File: autoint1.e
 Quant Time: Nov 04 05:33:12 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102522.M
 Quant Title : GC Extractables
 Qlast Update : Wed Oct 26 04:49:29 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)	11.959	3316759	19.275 ug/ml
Spiked Amount 50.000		Recovery =	38.55%
12) S 1-chlorooctadecane (S...	13.391	2598036	18.977 ug/ml
Spiked Amount 50.000		Recovery =	37.95%
Target Compounds			
1) T n-Nonane (C9)	3.360	3201440	20.787 ug/ml
2) T n-Decane (C10)	4.608	3233772	20.833 ug/ml
3) T A~Naphthalene (C11.7)	6.308	3431745	20.264 ug/ml
4) T n-Dodecane (C12)	6.769	3233264	20.697 ug/ml
5) T A~2-methylnaphthalene...	7.402	3347449	19.975 ug/ml
6) T n-Tetradecane (C14)	8.594	3196234	20.438 ug/ml
7) T n-Hexadecane (C16)	10.199	3190784	20.196 ug/ml
8) T n-Octadecane (C18)	11.640	3174352	19.817 ug/ml
10) T n-Eicosane (C20)	12.947	3119969	19.363 ug/ml
11) T n-Heneicosane (C21)	13.559	3091198	19.137 ug/ml
13) T n-Docosane (C22)	14.143	3069530	19.013 ug/ml
14) T n-Tetracosane (C24)	15.244	3006401	18.743 ug/ml
15) T n-Hexacosane (C26)	16.264	2945346	18.543 ug/ml
16) T n-Octacosane (C28)	17.211	2939969	18.739 ug/ml
17) T n-Tricontane (C30)	18.099	3095893	19.403 ug/mlm
18) T n-Dotriacontane (C32)	18.929	3186521	20.210 ug/ml
19) T n-Tetratriacontane (C34)	19.712	3036797	20.599 ug/mlm
20) T n-Hexatriacontane (C36)	20.451	3001476	21.006 ug/ml
21) T n-Octatriacontane (C38)	21.191	3072263	22.747 ug/ml
22) T n-Tetracontane (C40)	22.115	3121840	24.731 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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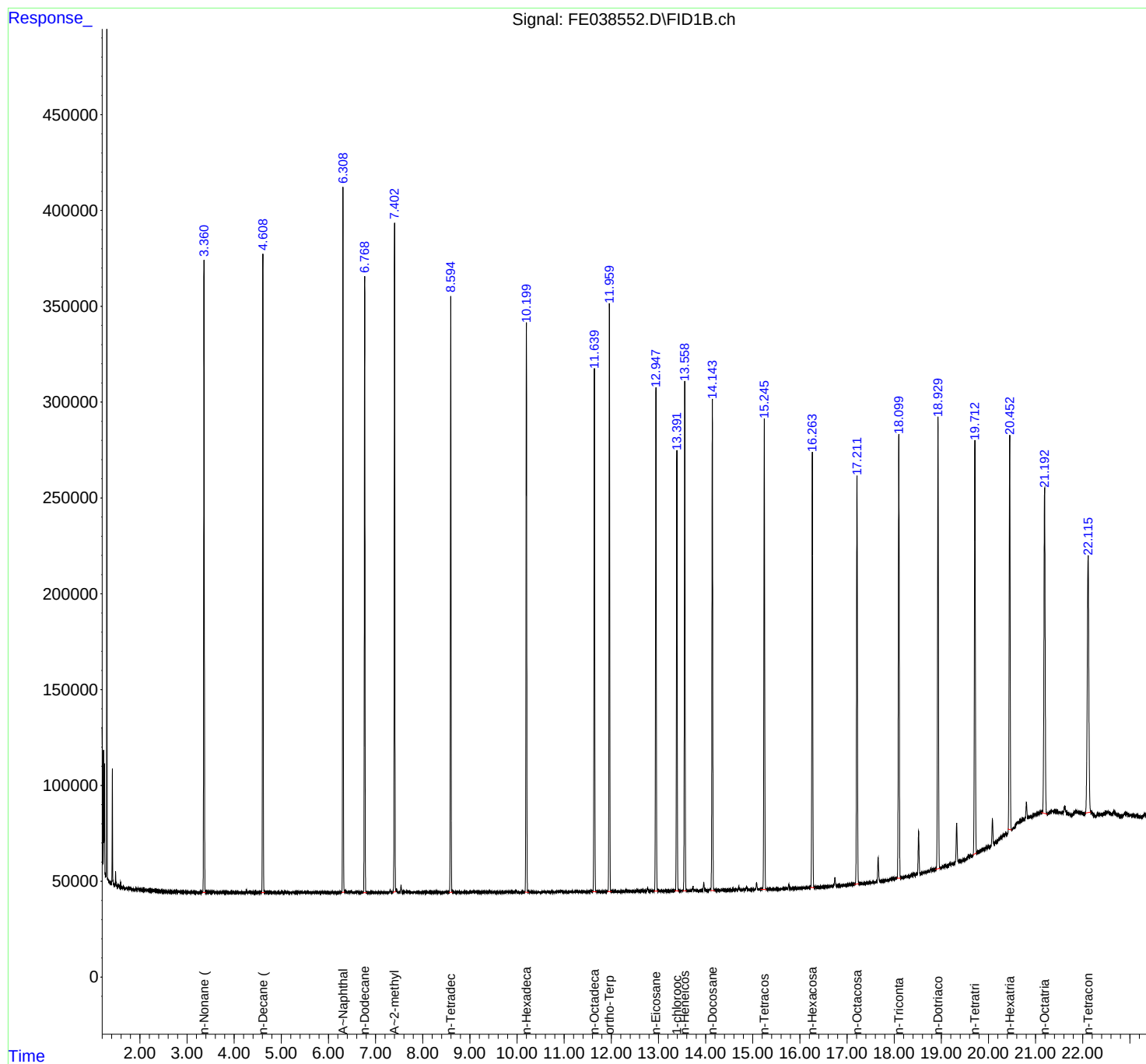
Instrument :
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20 PPM ALIPHATIC HC STD

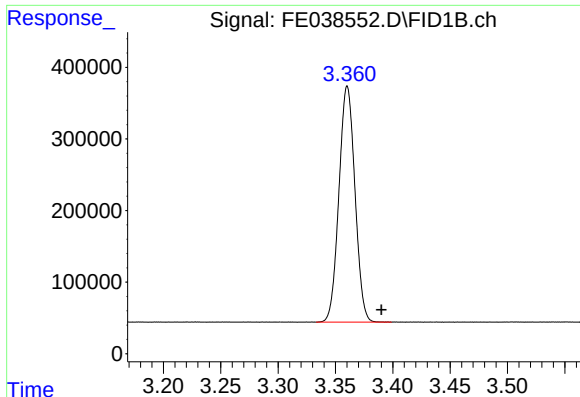
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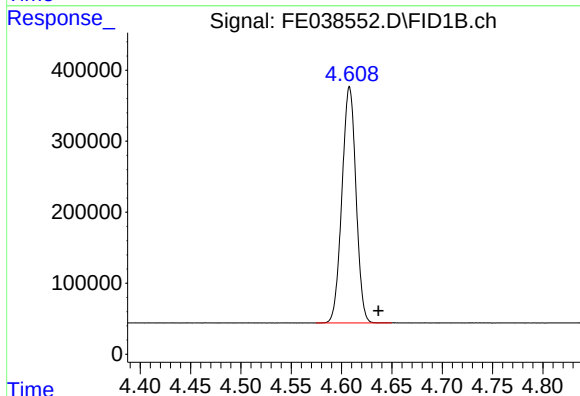
#1 n-Nonane (C9)

R.T.: 3.360 min
Delta R.T.: -0.030 min
Response: 3201440
Conc: 20.79 ug/ml

Instrument :
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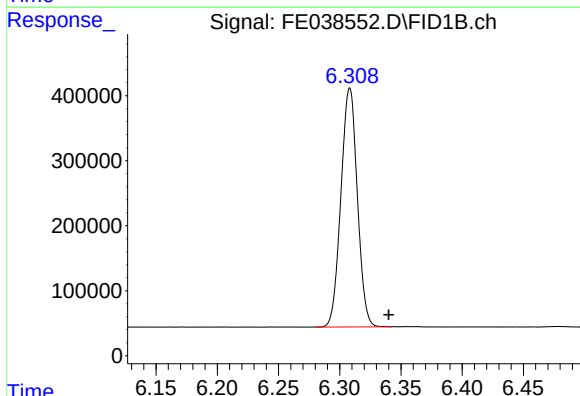
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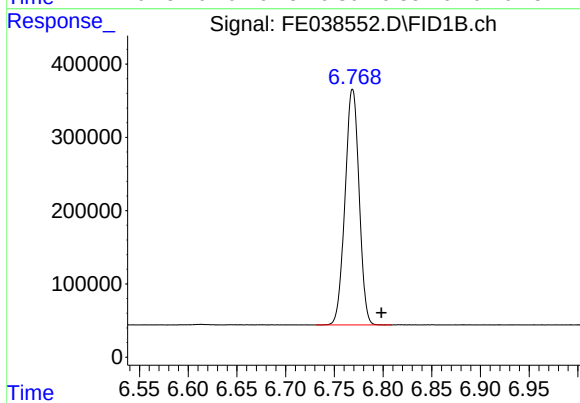
#2 n-Decane (C10)

R.T.: 4.608 min
Delta R.T.: -0.029 min
Response: 3233772
Conc: 20.83 ug/ml



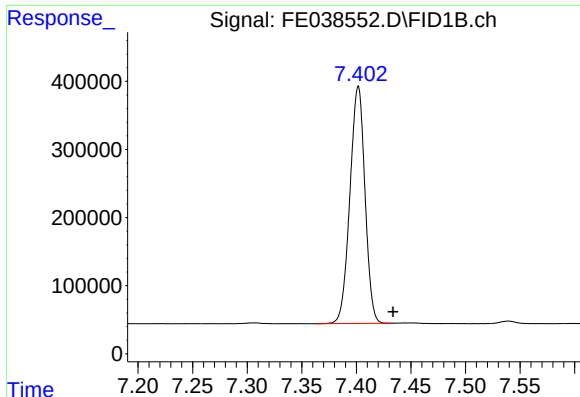
#3 A~Naphthalene (C11.7)

R.T.: 6.308 min
Delta R.T.: -0.032 min
Response: 3431745
Conc: 20.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.769 min
Delta R.T.: -0.030 min
Response: 3233264
Conc: 20.70 ug/ml



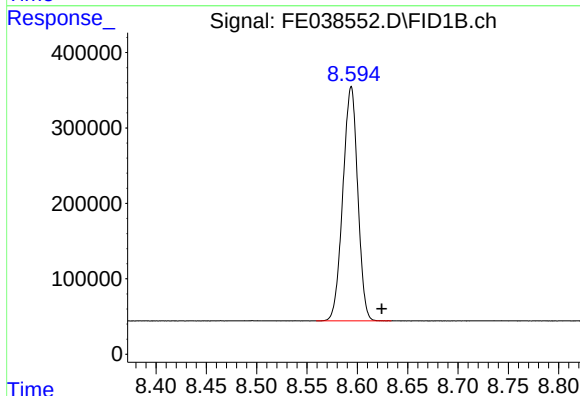
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.402 min
Delta R.T.: -0.032 min
Response: 3347449
Conc: 19.97 ug/ml

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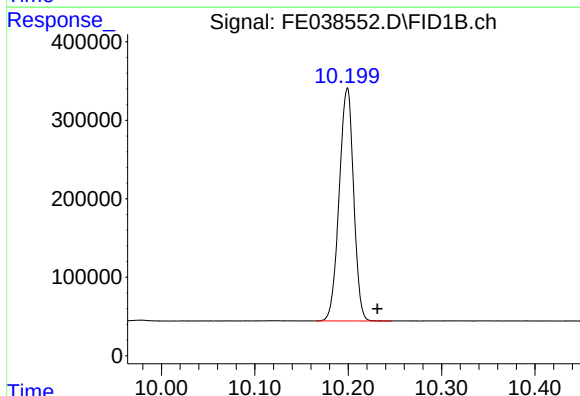
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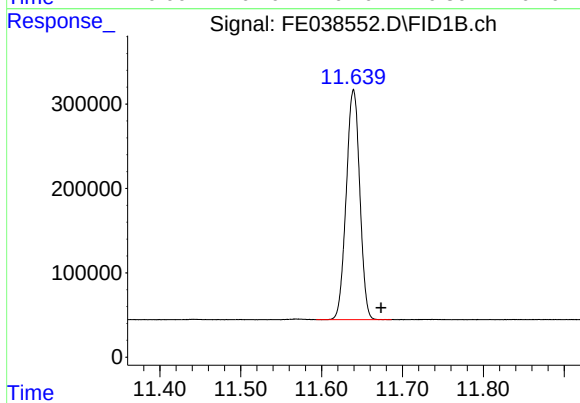
#6 n-Tetradecane (C14)

R.T.: 8.594 min
Delta R.T.: -0.030 min
Response: 3196234
Conc: 20.44 ug/ml



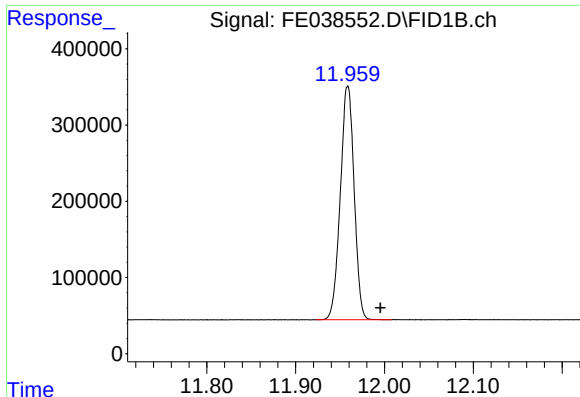
#7 n-Hexadecane (C16)

R.T.: 10.199 min
Delta R.T.: -0.032 min
Response: 3190784
Conc: 20.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.640 min
Delta R.T.: -0.034 min
Response: 3174352
Conc: 19.82 ug/ml



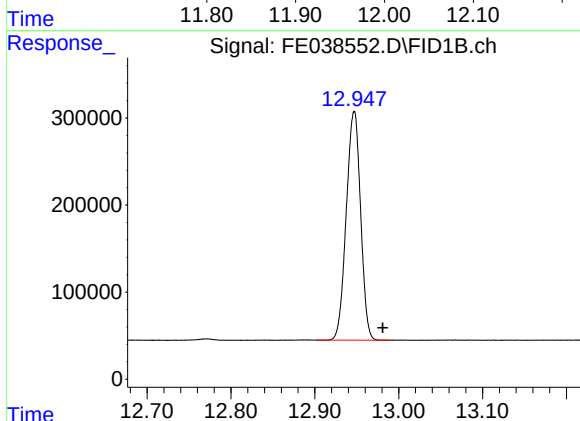
#9 ortho-Terphenyl (SURR)

R.T.: 11.959 min
Delta R.T.: -0.037 min
Response: 3316759
Conc: 19.28 ug/ml

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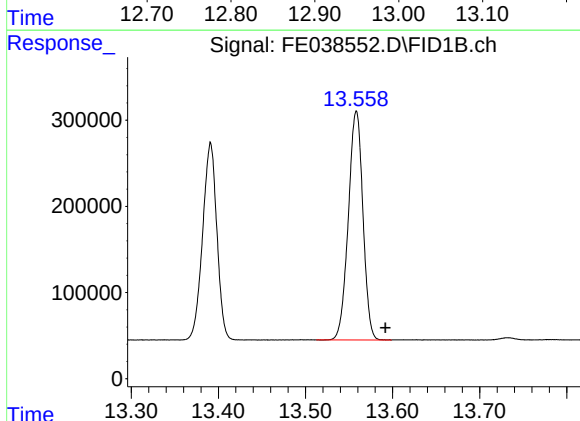
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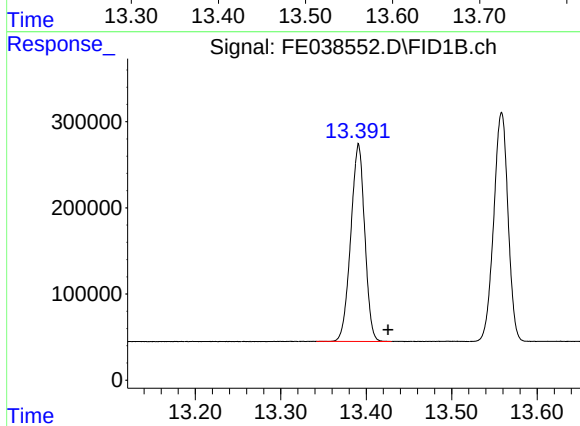
#10 n-Eicosane (C20)

R.T.: 12.947 min
Delta R.T.: -0.034 min
Response: 3119969
Conc: 19.36 ug/ml



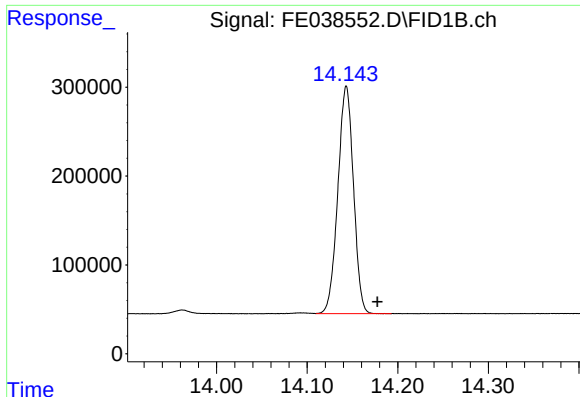
#11 n-Heneicosane (C21)

R.T.: 13.559 min
Delta R.T.: -0.034 min
Response: 3091198
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.035 min
Response: 2598036
Conc: 18.98 ug/ml



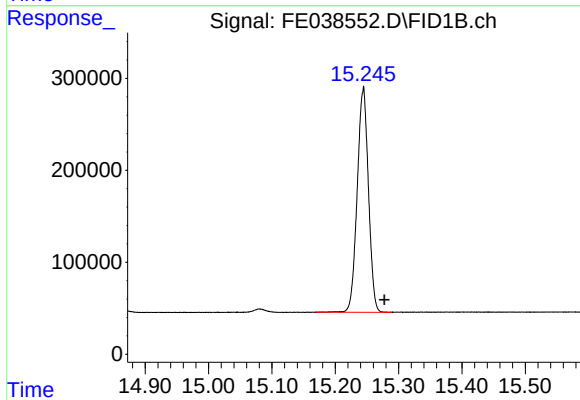
#13 n-Docosane (C22)

R.T.: 14.143 min
Delta R.T.: -0.034 min
Response: 3069530
Conc: 19.01 ug/ml

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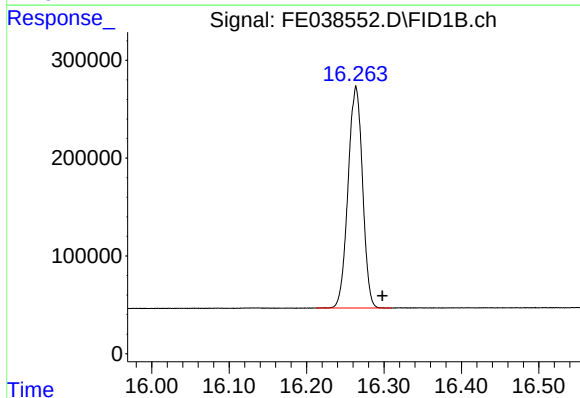
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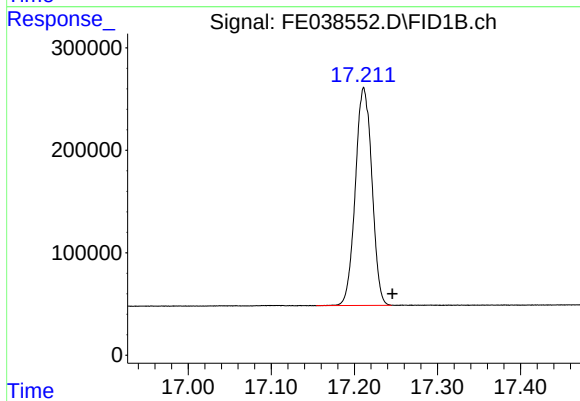
#14 n-Tetracosane (C24)

R.T.: 15.244 min
Delta R.T.: -0.033 min
Response: 3006401
Conc: 18.74 ug/ml



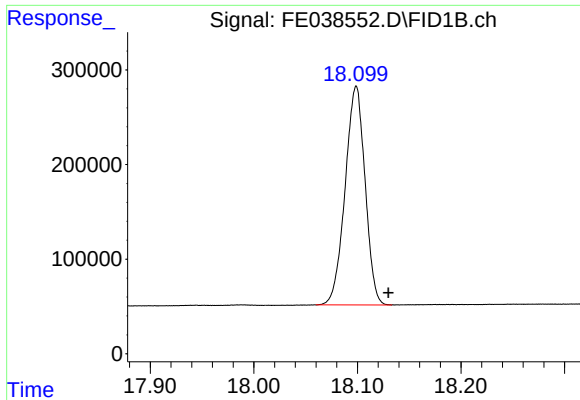
#15 n-Hexacosane (C26)

R.T.: 16.264 min
Delta R.T.: -0.034 min
Response: 2945346
Conc: 18.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.211 min
Delta R.T.: -0.035 min
Response: 2939969
Conc: 18.74 ug/ml



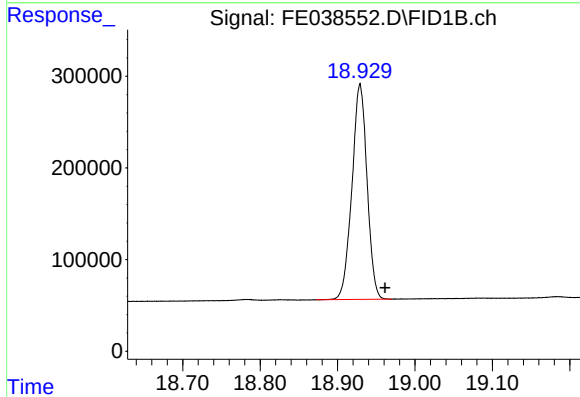
#17 n-Tricontane (C30)

R.T.: 18.099 min
Delta R.T.: -0.031 min
Response: 3095893
Conc: 19.40 ug/ml

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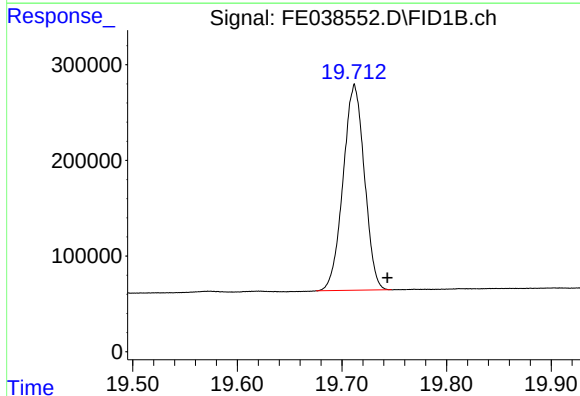
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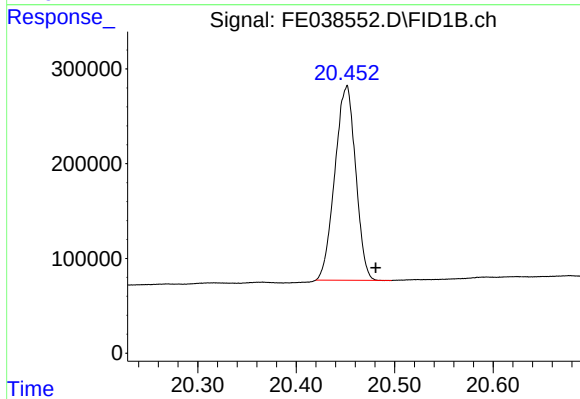
#18 n-Dotriacontane (C32)

R.T.: 18.929 min
Delta R.T.: -0.032 min
Response: 3186521
Conc: 20.21 ug/ml



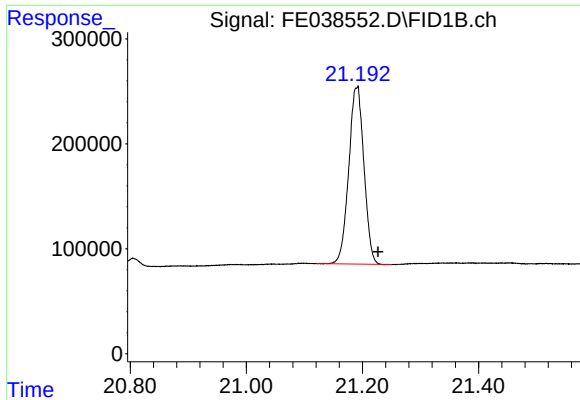
#19 n-Tetratriacontane (C34)

R.T.: 19.712 min
Delta R.T.: -0.032 min
Response: 3036797
Conc: 20.60 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.029 min
Response: 3001476
Conc: 21.01 ug/ml



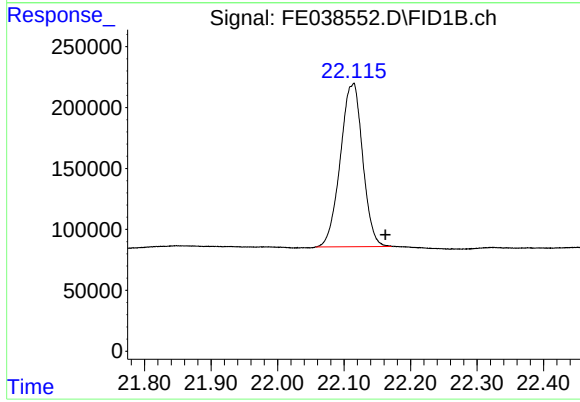
#21 n-Octatriacontane (C38)

R.T.: 21.191 min
Delta R.T.: -0.036 min
Response: 3072263
Conc: 22.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.047 min
Response: 3121840
Conc: 24.73 ug/ml m