

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072222AL\
 Data File : FE036639.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jul 2022 05:07
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2022
 Supervised By :Ankita Jodhani 07/25/2022

Integration File: autoint1.e
 Quant Time: Jul 22 12:09:51 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 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)	11.849	3369430	18.091 ug/ml
Spiked Amount 50.000		Recovery =	36.18%
12) S 1-chlorooctadecane (S...	13.289	2694772	17.712 ug/ml
Spiked Amount 50.000		Recovery =	35.42%
Target Compounds			
1) T n-Nonane (C9)	3.237	3033129	19.676 ug/ml
2) T n-Decane (C10)	4.492	3072521	19.932 ug/ml
3) T A~Naphthalene (C11.7)	6.194	3387246	19.822 ug/ml
4) T n-Dodecane (C12)	6.661	3128265	19.918 ug/ml
5) T A~2-methylnaphthalene...	7.289	3394974	19.753 ug/ml
6) T n-Tetradecane (C14)	8.488	3185986	19.515 ug/ml
7) T n-Hexadecane (C16)	10.095	3152386	19.126 ug/ml
8) T n-Octadecane (C18)	11.537	3160430	18.596 ug/ml
10) T n-Eicosane (C20)	12.845	3075101	18.078 ug/ml
11) T n-Heneicosane (C21)	13.458	3044562	17.789 ug/ml
13) T n-Docosane (C22)	14.044	3013036	17.647 ug/ml
14) T n-Tetracosane (C24)	15.146	2967159	17.406 ug/ml
15) T n-Hexacosane (C26)	16.167	2855767	17.081 ug/ml
16) T n-Octacosane (C28)	17.117	2814413	17.232 ug/ml
17) T n-Tricontane (C30)	18.002	2679618	17.634 ug/ml
18) T n-Dotriacontane (C32)	18.838	2197942	18.275 ug/ml
19) T n-Tetratriacontane (C34)	19.619	1584272	19.024 ug/ml
20) T n-Hexatriacontane (C36)	20.361	1153316	19.642 ug/ml
21) T n-Octatriacontane (C38)	21.086	996199	19.869 ug/mlm
22) T n-Tetracontane (C40)	21.975	1001852	19.400 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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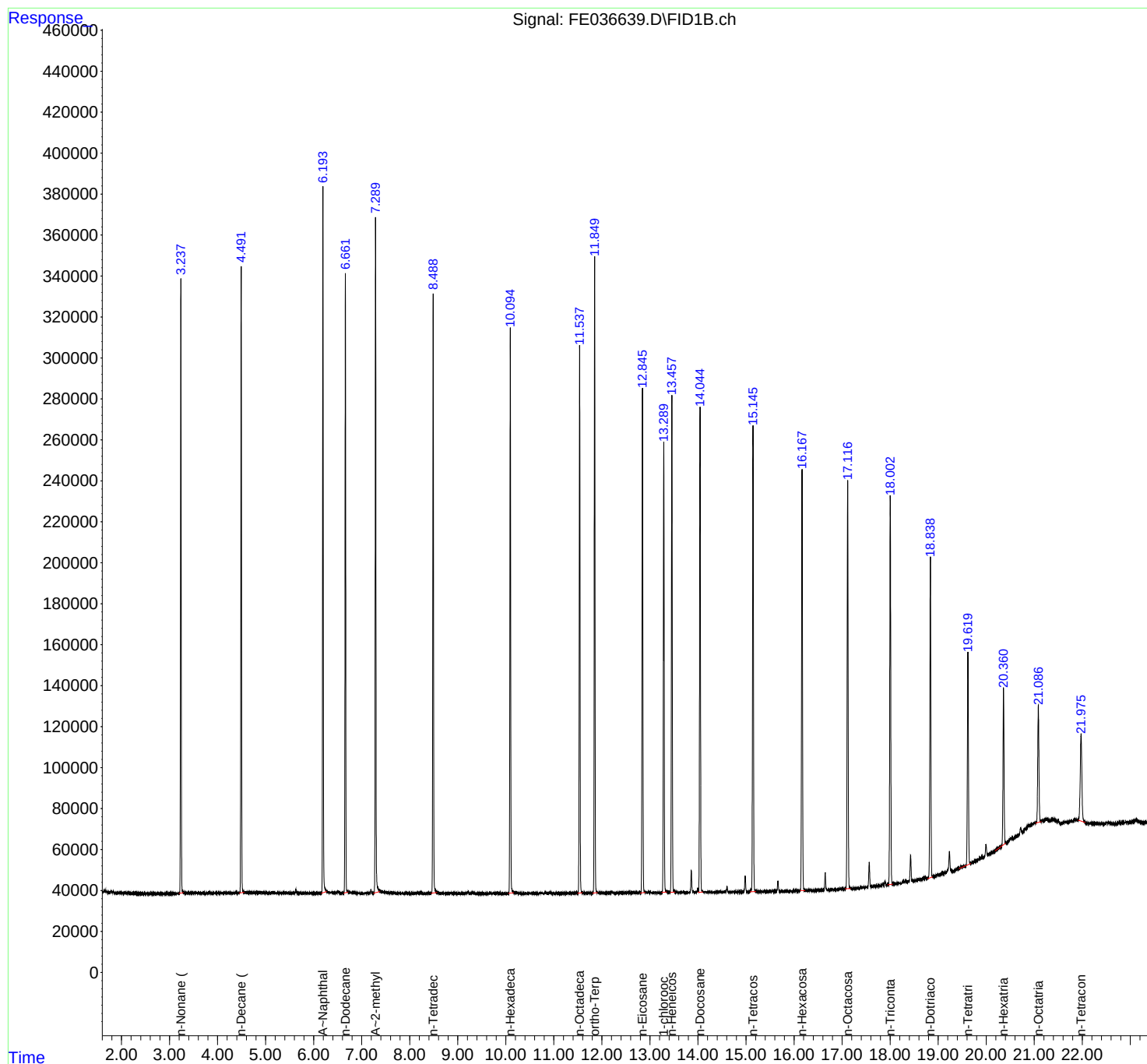
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

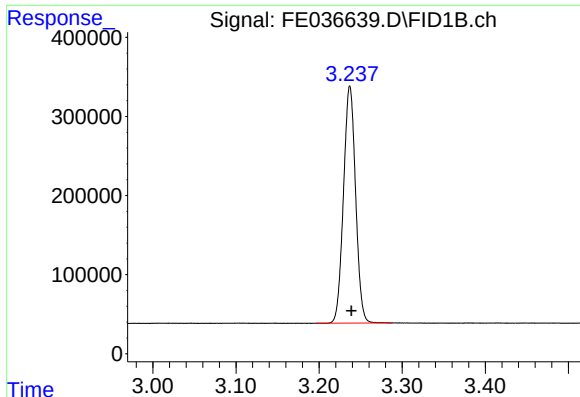
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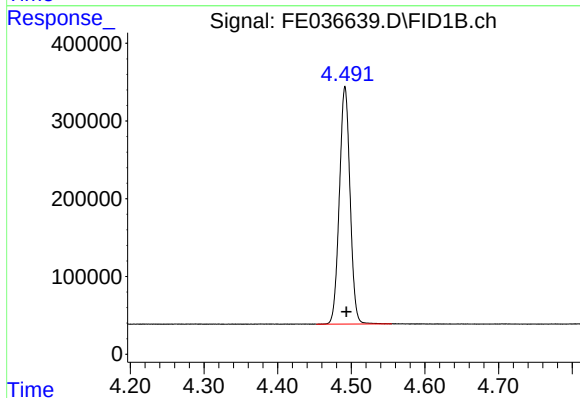
#1 n-Nonane (C9)

R.T.: 3.237 min
Delta R.T.: -0.002 min
Response: 3033129
Conc: 19.68 ug/ml

Instrument :
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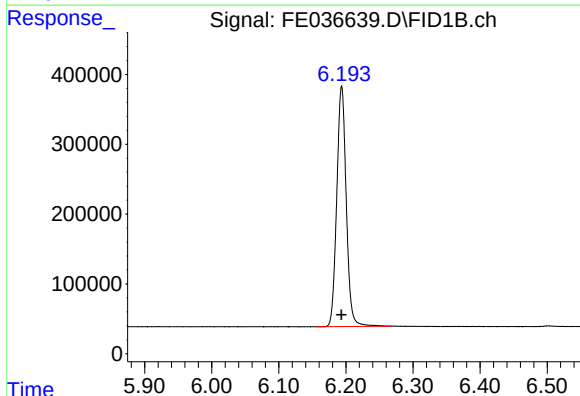
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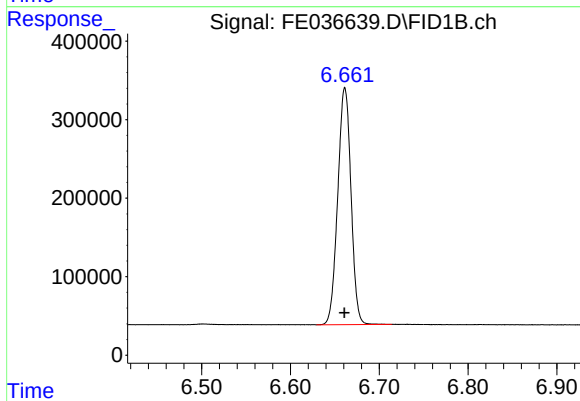
#2 n-Decane (C10)

R.T.: 4.492 min
Delta R.T.: -0.002 min
Response: 3072521
Conc: 19.93 ug/ml



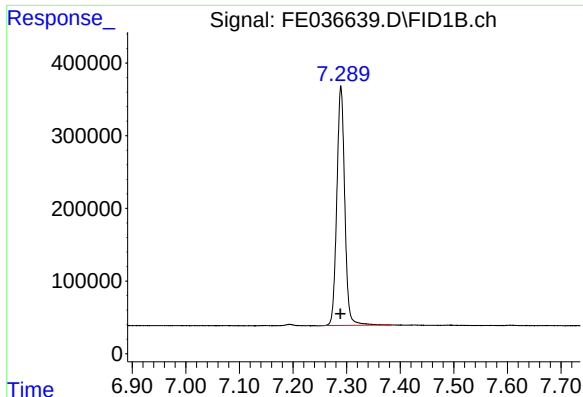
#3 A~Naphthalene (C11.7)

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 3387246
Conc: 19.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 3128265
Conc: 19.92 ug/ml



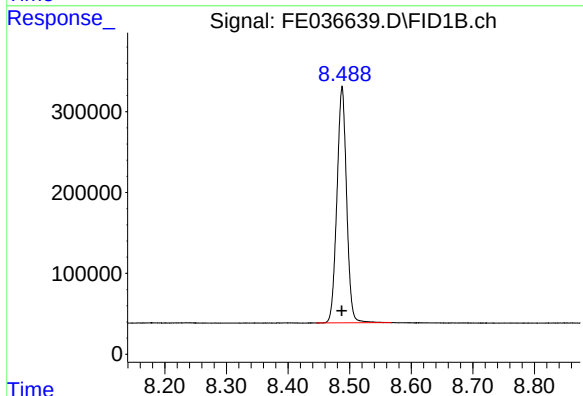
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.289 min
Delta R.T.: 0.001 min
Response: 3394974
Conc: 19.75 ug/ml

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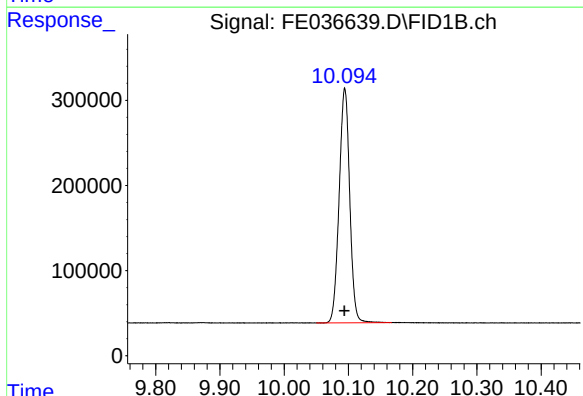
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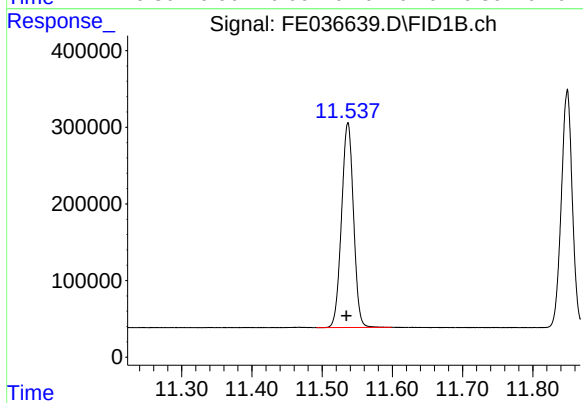
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 3185986
Conc: 19.52 ug/ml



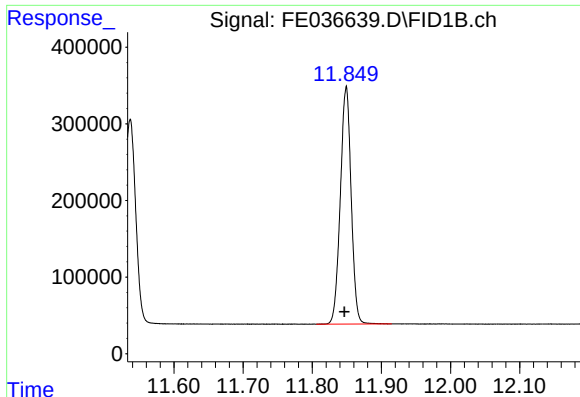
#7 n-Hexadecane (C16)

R.T.: 10.095 min
Delta R.T.: 0.000 min
Response: 3152386
Conc: 19.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.537 min
Delta R.T.: 0.002 min
Response: 3160430
Conc: 18.60 ug/ml



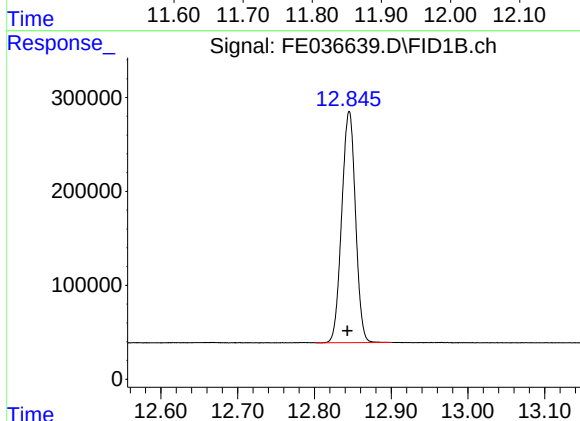
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.003 min
Response: 3369430
Conc: 18.09 ug/ml

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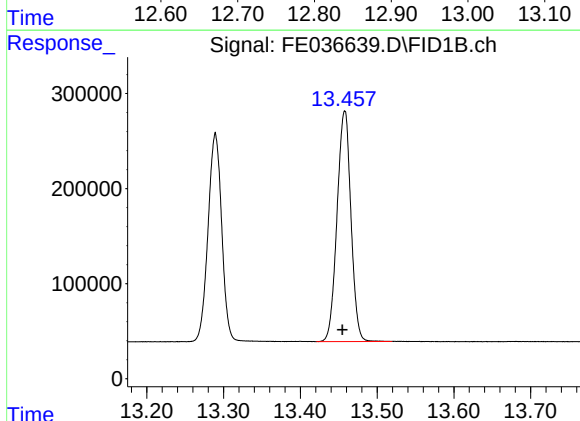
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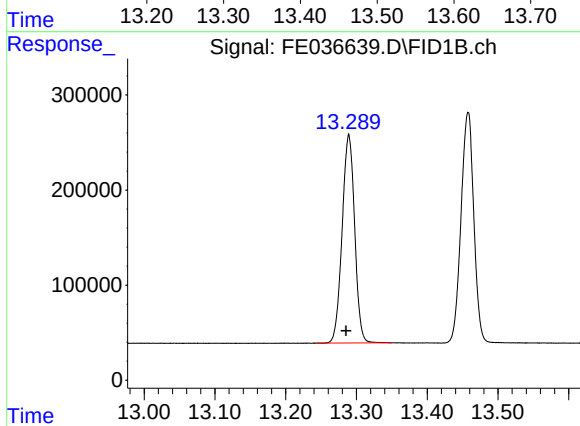
#10 n-Eicosane (C20)

R.T.: 12.845 min
Delta R.T.: 0.002 min
Response: 3075101
Conc: 18.08 ug/ml



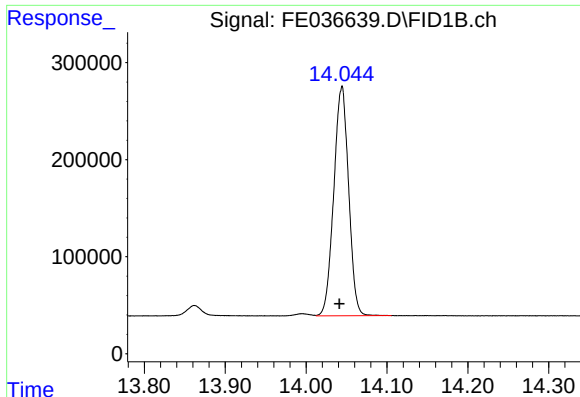
#11 n-Heneicosane (C21)

R.T.: 13.458 min
Delta R.T.: 0.003 min
Response: 3044562
Conc: 17.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: 0.004 min
Response: 2694772
Conc: 17.71 ug/ml



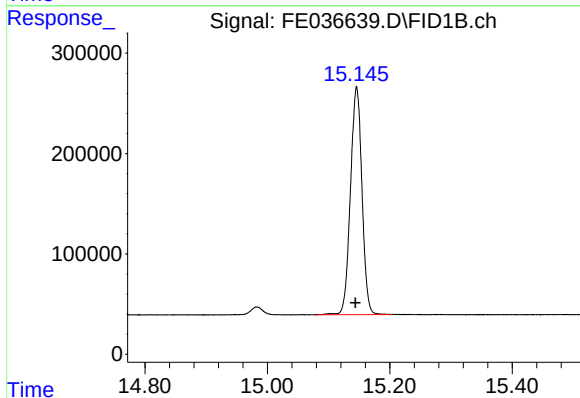
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: 0.003 min
Response: 3013036
Conc: 17.65 ug/ml

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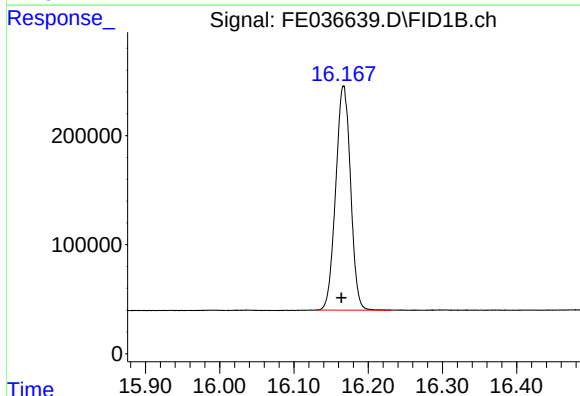
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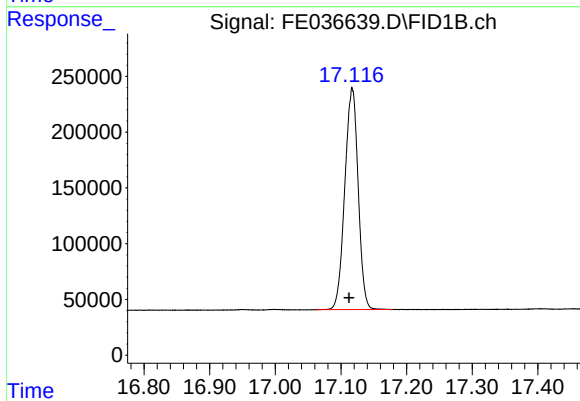
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: 0.002 min
Response: 2967159
Conc: 17.41 ug/ml



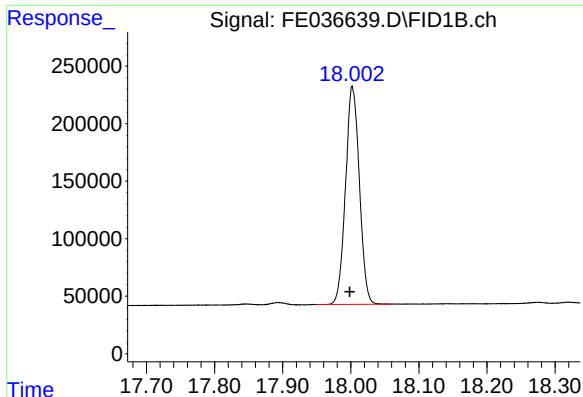
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: 0.003 min
Response: 2855767
Conc: 17.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: 0.005 min
Response: 2814413
Conc: 17.23 ug/ml



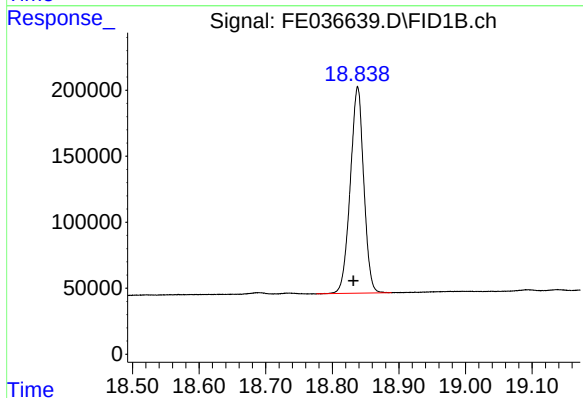
#17 n-Tricontane (C30)

R.T.: 18.002 min
Delta R.T.: 0.003 min
Response: 2679618
Conc: 17.63 ug/ml

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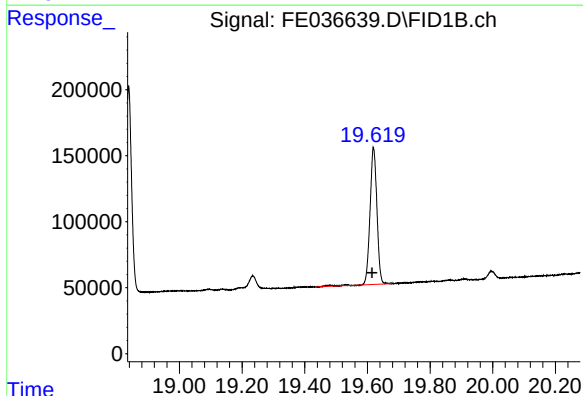
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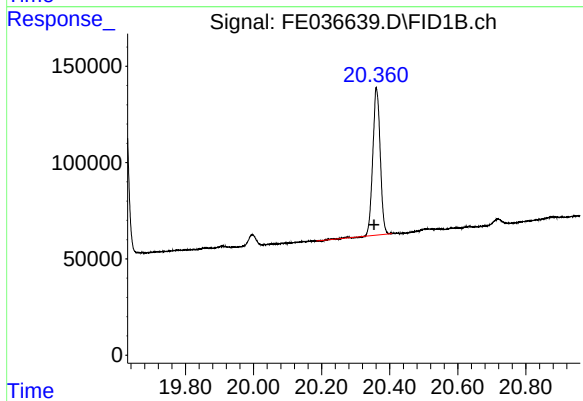
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: 0.006 min
Response: 2197942
Conc: 18.28 ug/ml



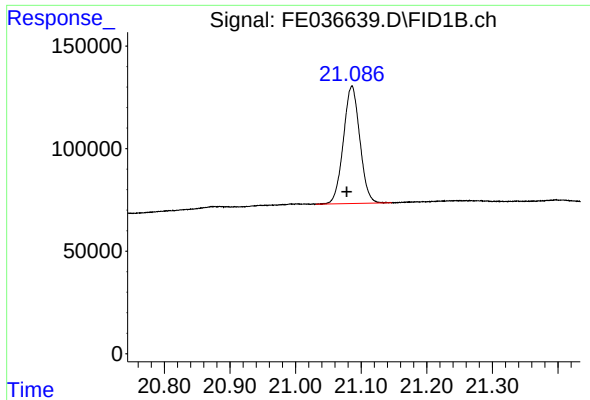
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.005 min
Response: 1584272
Conc: 19.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.361 min
Delta R.T.: 0.007 min
Response: 1153316
Conc: 19.64 ug/ml



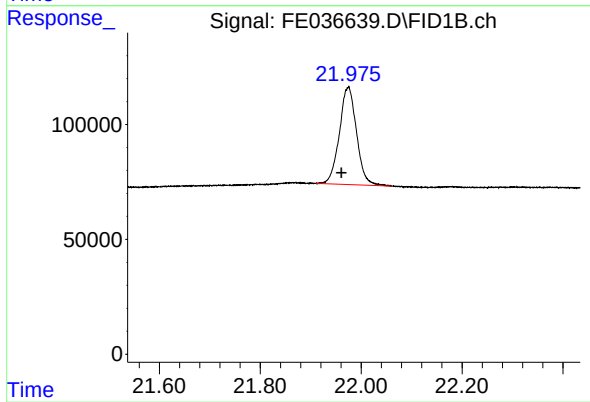
#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.008 min
Response: 996199
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.975 min
Delta R.T.: 0.015 min
Response: 1001852
Conc: 19.40 ug/ml