

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070622AL\
 Data File : FE036400.D
 Signal(s) : FID1B.ch
 Acq On : 06 Jul 2022 23:51
 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 07/07/2022
 Supervised By :Ankita Jodhani 07/07/2022

Integration File: sample.E
 Quant Time: Jul 07 04:02:44 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062022.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 21 03:08:45 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)	11.871	3644281	18.240 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
12) S 1-chlorooctadecane (S...	13.308	2835650	18.316 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
Target Compounds			
1) T n-Nonane (C9)	3.261	3304417	18.372 ug/ml
2) T n-Decane (C10)	4.515	3367838	18.735 ug/ml
3) T A~Naphthalene (C11.7)	6.217	3741015	18.646 ug/ml
4) T n-Dodecane (C12)	6.682	3470994	18.739 ug/ml
5) T A~2-methylnaphthalene...	7.312	3772397	18.531 ug/ml
6) T n-Tetradecane (C14)	8.509	3501675	18.730 ug/ml
7) T n-Hexadecane (C16)	10.115	3496768	18.672 ug/ml
8) T n-Octadecane (C18)	11.556	3453141	18.561 ug/ml
10) T n-Eicosane (C20)	12.864	3329970	18.381 ug/ml
11) T n-Heneicosane (C21)	13.477	3283928	18.282 ug/ml
13) T n-Docosane (C22)	14.063	3238806	18.319 ug/ml
14) T n-Tetracosane (C24)	15.164	3167847	18.496 ug/ml
15) T n-Hexacosane (C26)	16.185	3069175	18.576 ug/ml
16) T n-Octacosane (C28)	17.135	3071932	19.191 ug/ml
17) T n-Tricontane (C30)	18.023	3156705	20.389 ug/ml
18) T n-Dotriacontane (C32)	18.854	3117389	21.332 ug/ml
19) T n-Tetratriacontane (C34)	19.640	2951836	21.331 ug/ml
20) T n-Hexatriacontane (C36)	20.378	2838868	21.146 ug/ml
21) T n-Octatriacontane (C38)	21.108	2800875	21.061 ug/ml
22) T n-Tetracontane (C40)	22.002	3062856	21.905 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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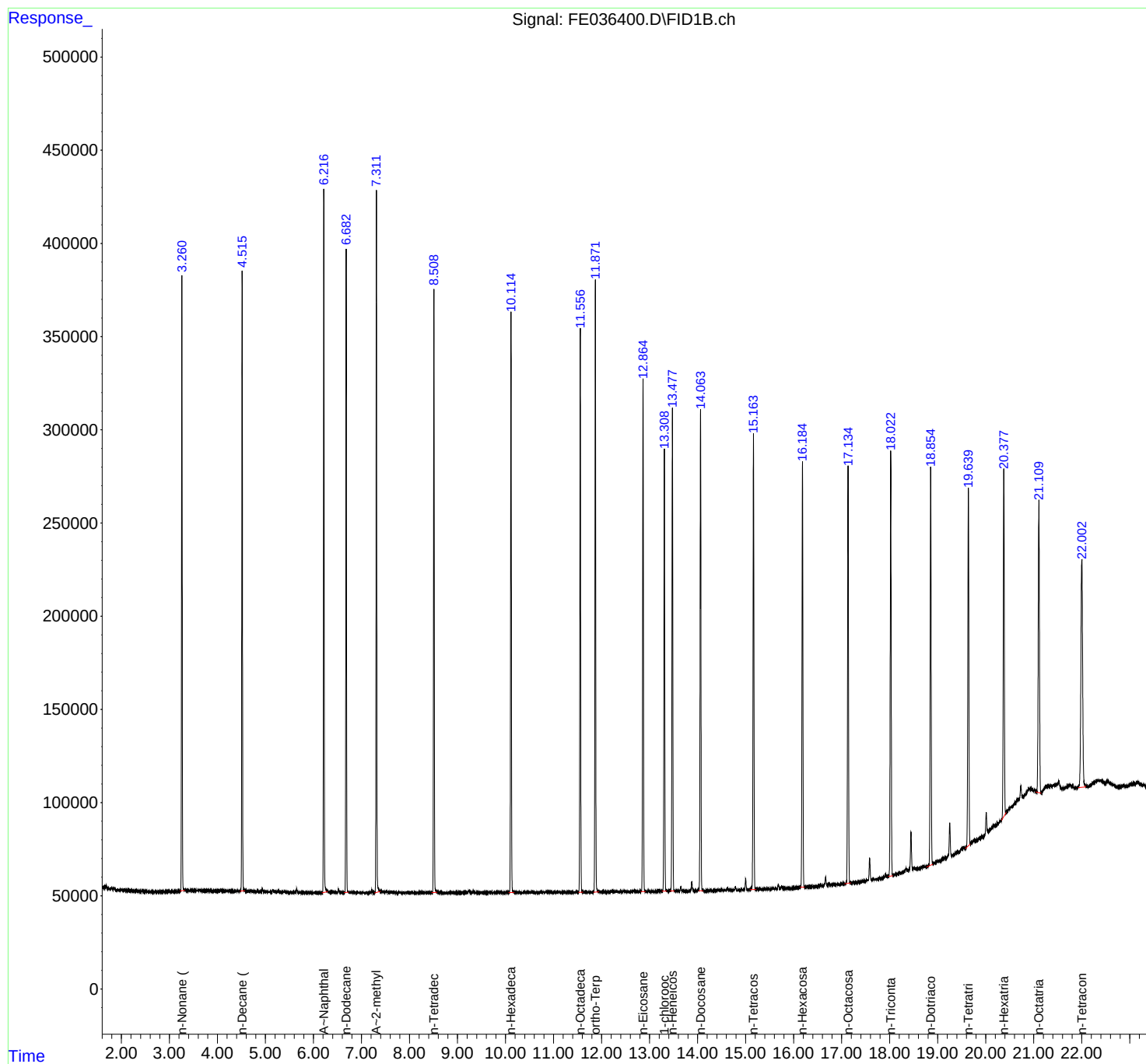
Instrument :
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20 PPM ALIPHATIC HC STD

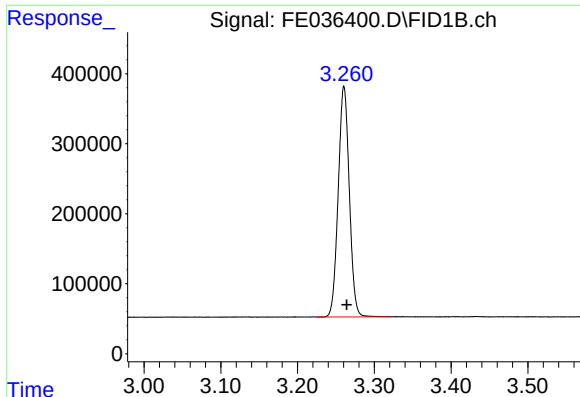
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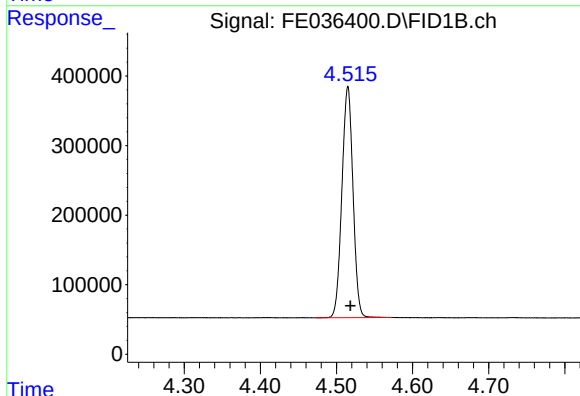
#1 n-Nonane (C9)

R.T.: 3.261 min
Delta R.T.: -0.003 min
Response: 3304417
Conc: 18.37 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

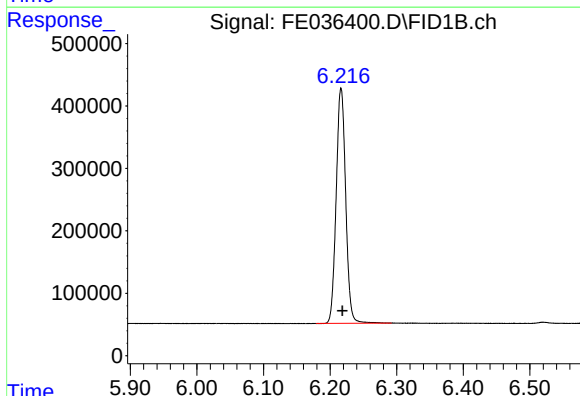
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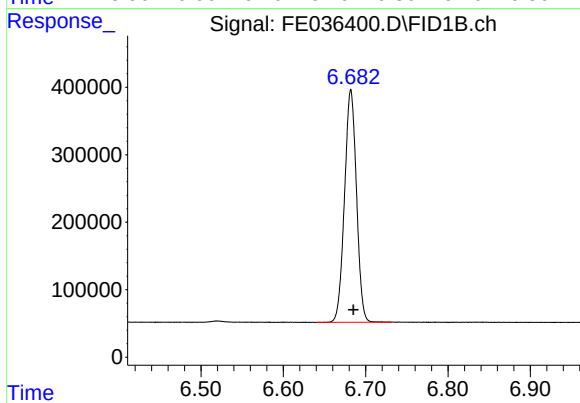
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.003 min
Response: 3367838
Conc: 18.74 ug/ml



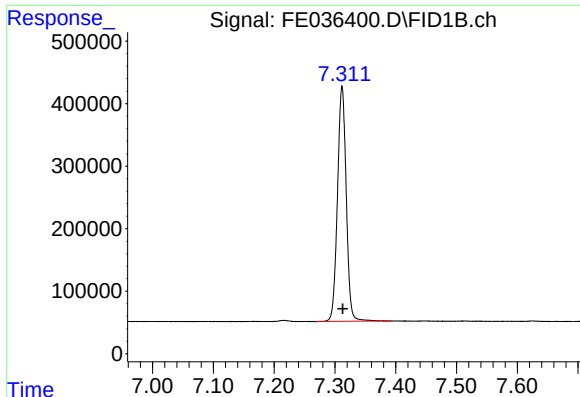
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.002 min
Response: 3741015
Conc: 18.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 3470994
Conc: 18.74 ug/ml



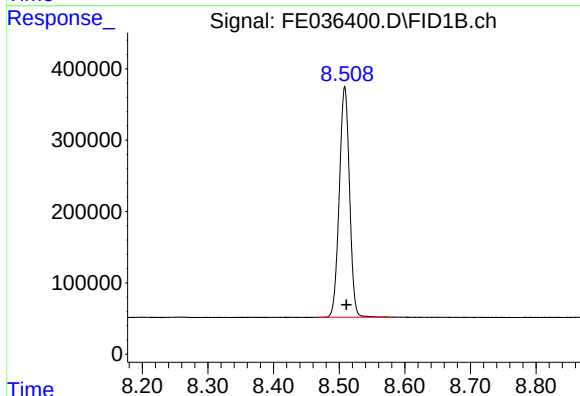
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.001 min
Response: 3772397
Conc: 18.53 ug/ml

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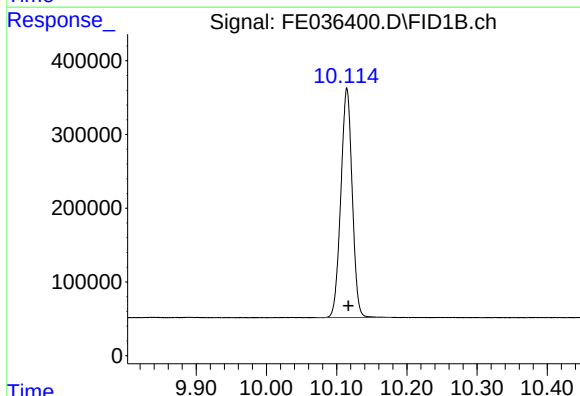
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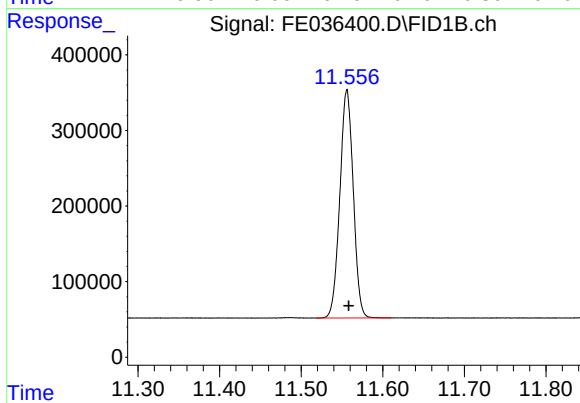
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.003 min
Response: 3501675
Conc: 18.73 ug/ml



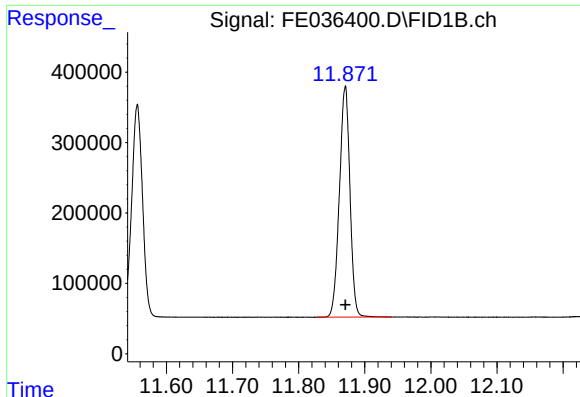
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.002 min
Response: 3496768
Conc: 18.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.002 min
Response: 3453141
Conc: 18.56 ug/ml



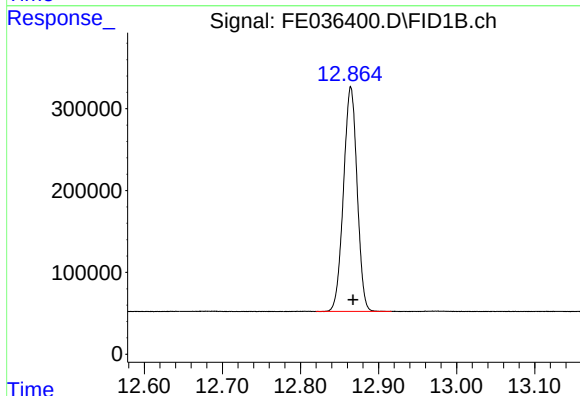
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: 0.000 min
Response: 3644281
Conc: 18.24 ug/ml

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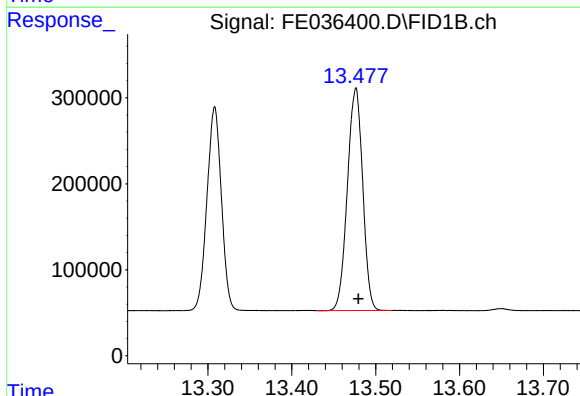
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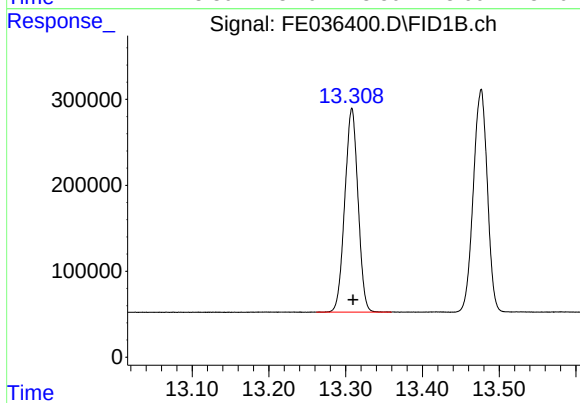
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.003 min
Response: 3329970
Conc: 18.38 ug/ml



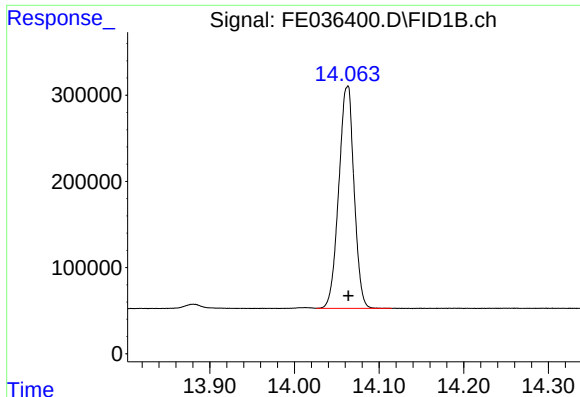
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.003 min
Response: 3283928
Conc: 18.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.002 min
Response: 2835650
Conc: 18.32 ug/ml



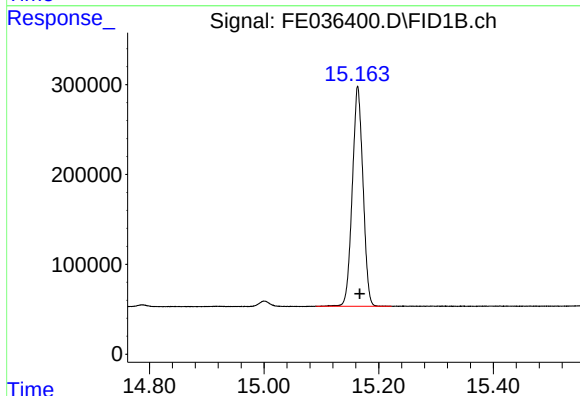
#13 n-Docosane (C22)

R.T.: 14.063 min
Delta R.T.: -0.001 min
Response: 3238806
Conc: 18.32 ug/ml

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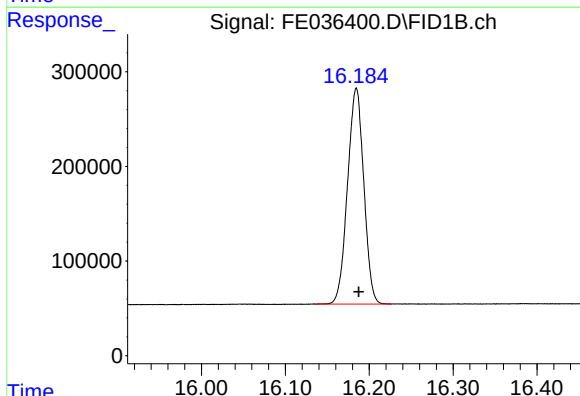
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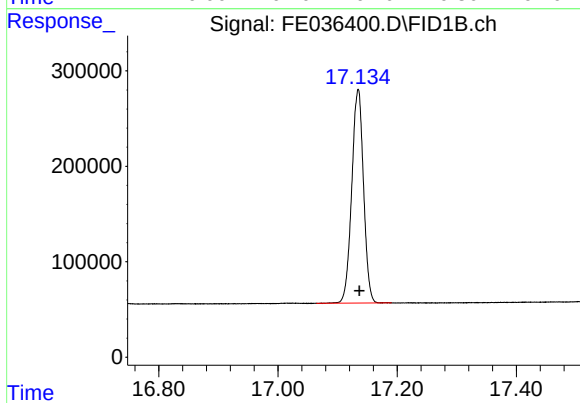
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: -0.004 min
Response: 3167847
Conc: 18.50 ug/ml



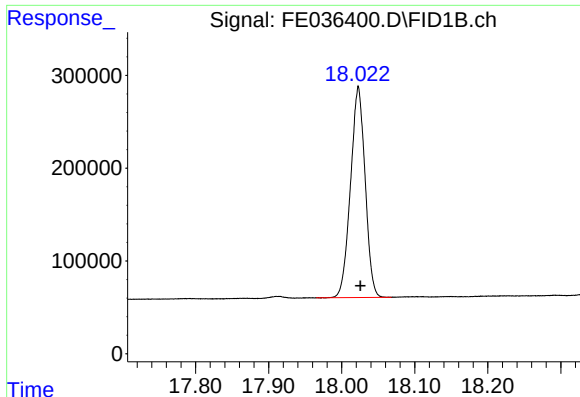
#15 n-Hexacosane (C26)

R.T.: 16.185 min
Delta R.T.: -0.003 min
Response: 3069175
Conc: 18.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: -0.002 min
Response: 3071932
Conc: 19.19 ug/ml



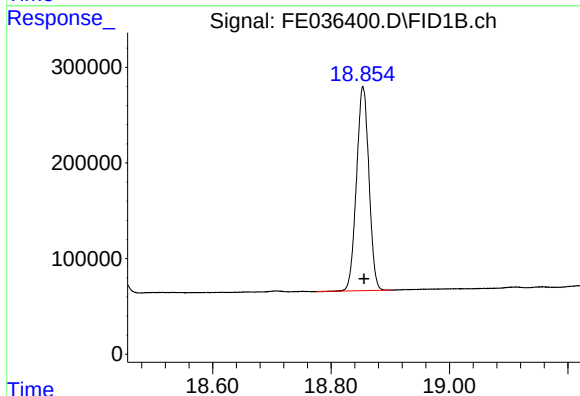
#17 n-Tricontane (C30)

R.T.: 18.023 min
Delta R.T.: -0.003 min
Response: 3156705
Conc: 20.39 ug/ml

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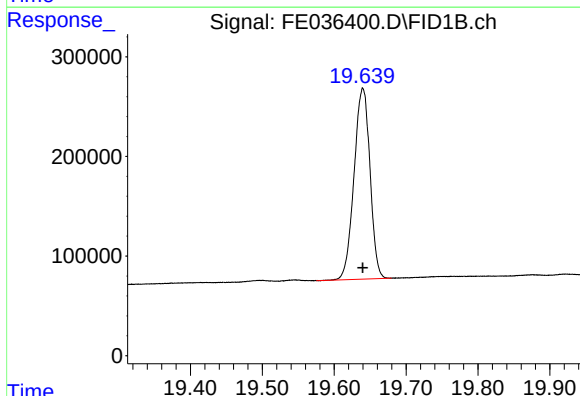
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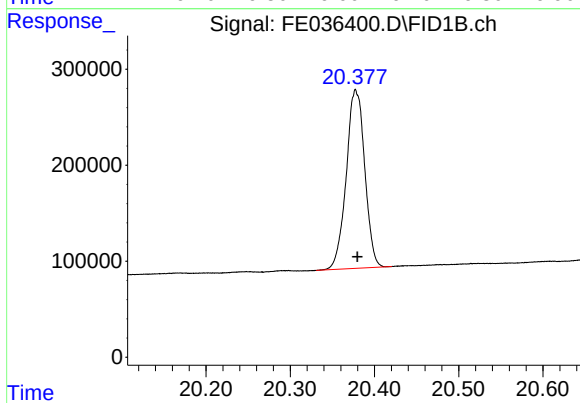
#18 n-Dotriacontane (C32)

R.T.: 18.854 min
Delta R.T.: -0.002 min
Response: 3117389
Conc: 21.33 ug/ml



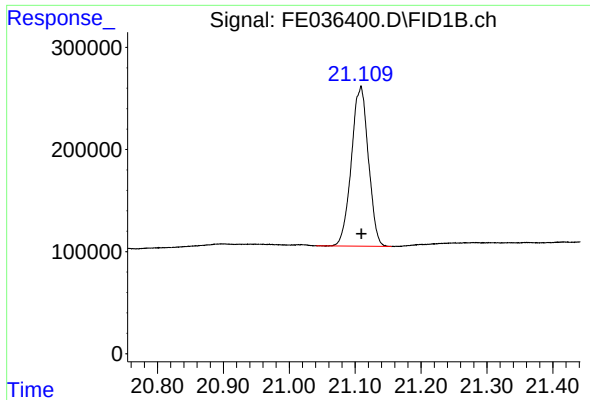
#19 n-Tetratriacontane (C34)

R.T.: 19.640 min
Delta R.T.: 0.000 min
Response: 2951836
Conc: 21.33 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.002 min
Response: 2838868
Conc: 21.15 ug/ml



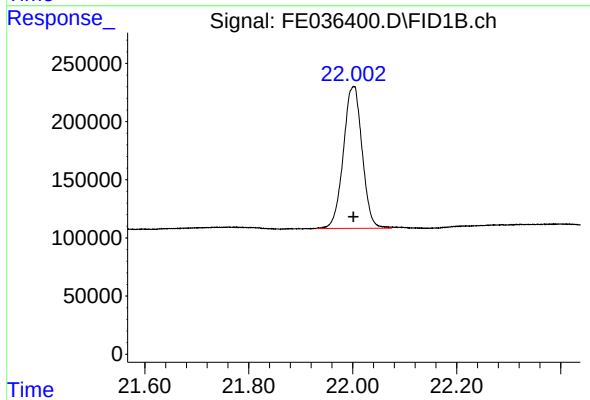
#21 n-Octatriacontane (C38)

R.T.: 21.108 min
Delta R.T.: -0.001 min
Response: 2800875
Conc: 21.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.002 min
Delta R.T.: 0.000 min
Response: 3062856
Conc: 21.90 ug/ml m