

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091922AL\
 Data File : FE037664.D
 Signal(s) : FID1B.ch
 Acq On : 19 Sep 2022 19:41
 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 09/20/2022
 Supervised By :Ankita Jodhani 09/20/2022

Integration File: autoint1.e
 Quant Time: Sep 20 04:23:51 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)	11.625	3374270	19.967 ug/ml
Spiked Amount 50.000		Recovery =	39.93%
12) S 1-chlorooctadecane (S...	13.048	2589799	20.123 ug/ml
Spiked Amount 50.000		Recovery =	40.25%
Target Compounds			
1) T n-Nonane (C9)	3.019	3040199	19.870 ug/ml
2) T n-Decane (C10)	4.277	3217321	20.868 ug/ml
3) T A~Naphthalene (C11.7)	5.993	3153549	21.889 ug/ml
4) T n-Dodecane (C12)	6.450	3289493	20.802 ug/ml
5) T A~2-methylnaphthalene...	7.086	3070890	21.996 ug/ml
6) T n-Tetradecane (C14)	9.869	3303193	20.846 ug/ml
7) T n-Hexadecane (C16)	9.869	3303193	20.846 ug/ml
8) T n-Octadecane (C18)	11.303	3280789	20.602 ug/ml
10) T n-Eicosane (C20)	12.605	3201941	20.237 ug/ml
11) T n-Heneicosane (C21)	13.214	3147682	19.961 ug/ml
13) T n-Docosane (C22)	13.797	3154969	20.267 ug/ml
14) T n-Tetracosane (C24)	14.893	3093972	20.571 ug/ml
15) T n-Hexacosane (C26)	15.909	3006634	20.764 ug/ml
16) T n-Octacosane (C28)	16.853	3018150	21.786 ug/ml
17) T n-Tricontane (C30)	17.736	3199799	23.522 ug/ml
18) T n-Dotriacontane (C32)	18.564	3249389	24.334 ug/ml
19) T n-Tetratriacontane (C34)	19.343	3110615	24.585 ug/ml
20) T n-Hexatriacontane (C36)	20.079	3073558	23.898 ug/mlm
21) T n-Octatriacontane (C38)	20.777	3101714	24.921 ug/mlm
22) T n-Tetracontane (C40)	21.553	3032293	23.522 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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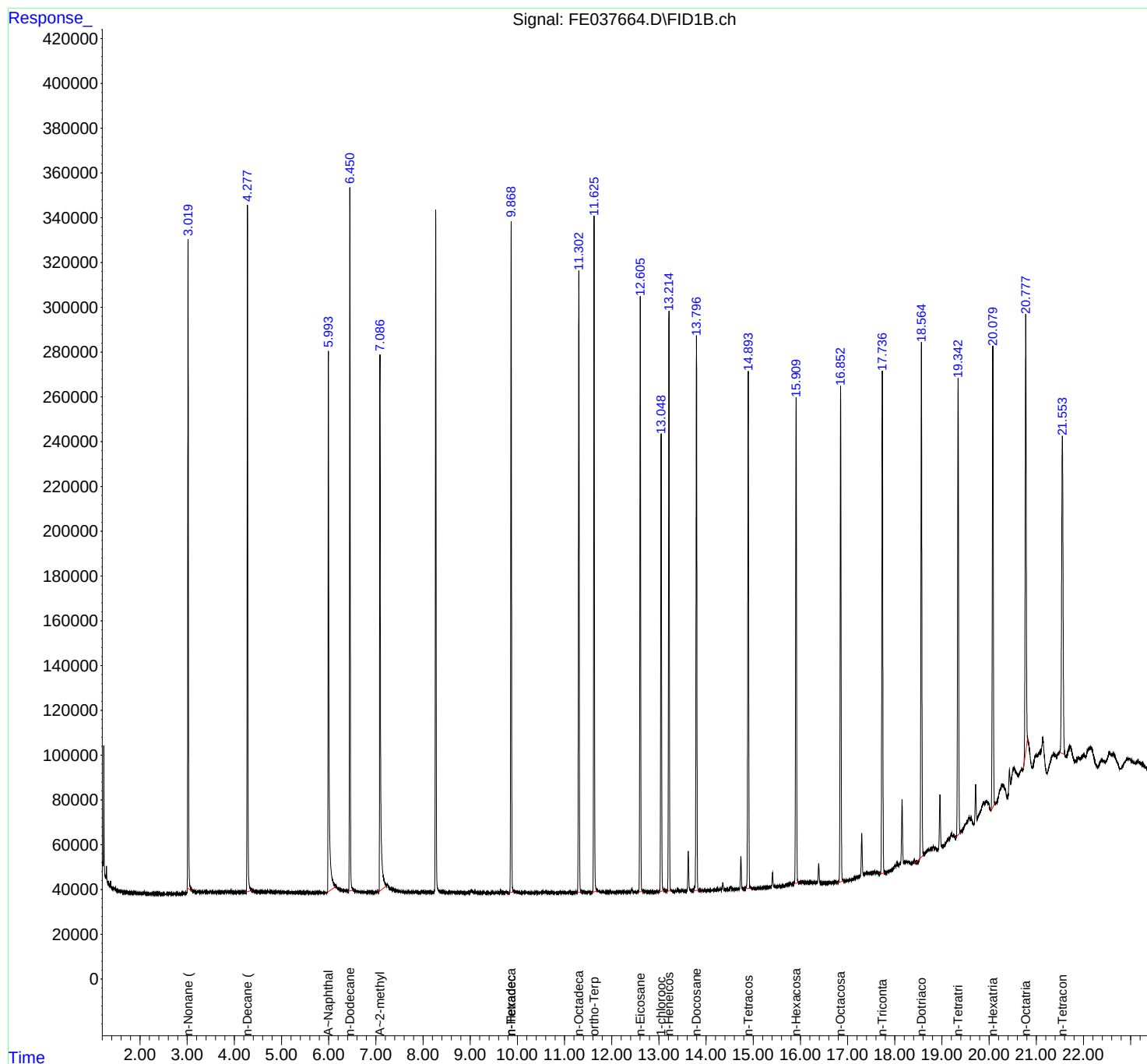
Instrument :
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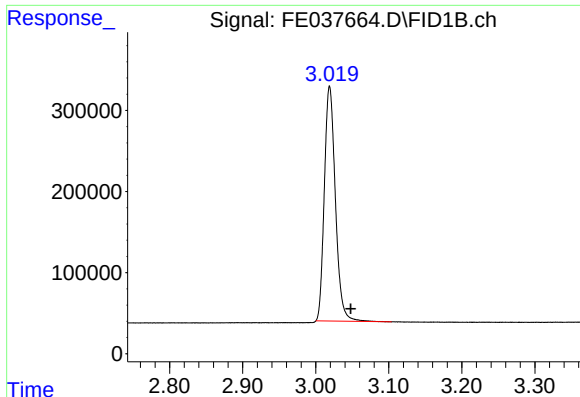
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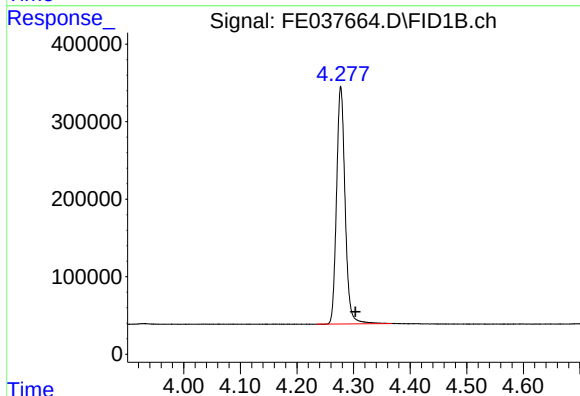
#1 n-Nonane (C9)

R.T.: 3.019 min
Delta R.T.: -0.029 min
Response: 3040199
Conc: 19.87 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

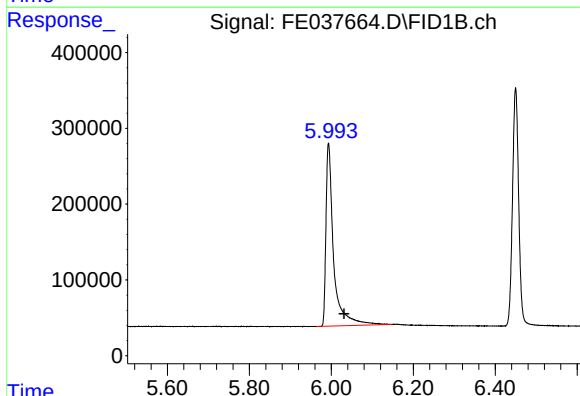
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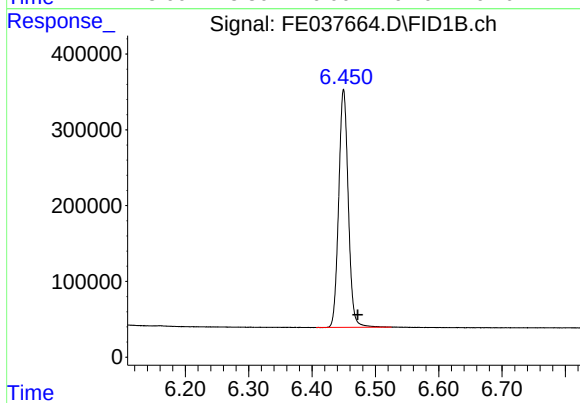
#2 n-Decane (C10)

R.T.: 4.277 min
Delta R.T.: -0.026 min
Response: 3217321
Conc: 20.87 ug/ml



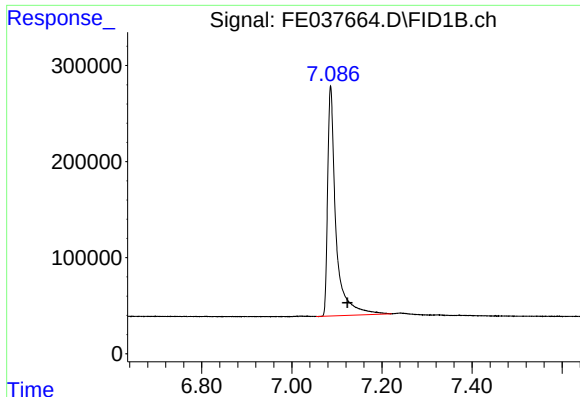
#3 A~Naphthalene (C11.7)

R.T.: 5.993 min
Delta R.T.: -0.037 min
Response: 3153549
Conc: 21.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.450 min
Delta R.T.: -0.023 min
Response: 3289493
Conc: 20.80 ug/ml



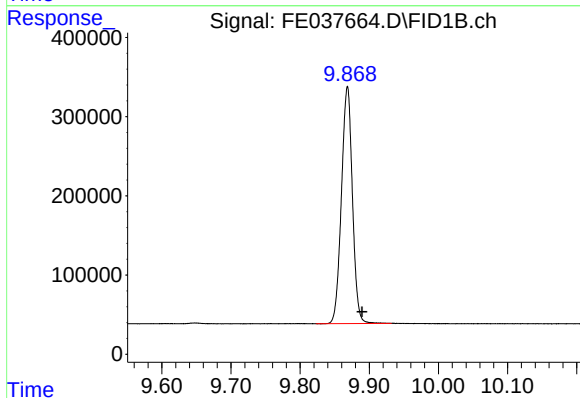
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.086 min
Delta R.T.: -0.037 min
Response: 3070890
Conc: 22.00 ug/ml

Instrument :
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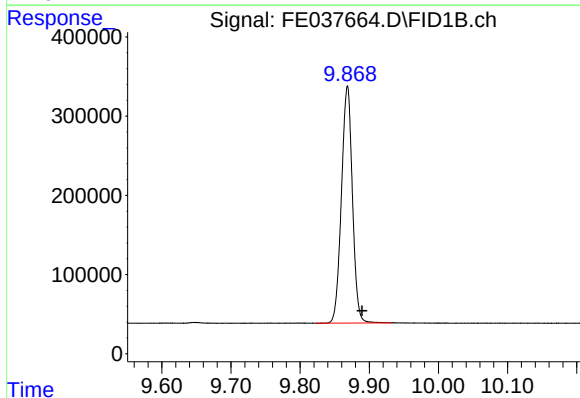
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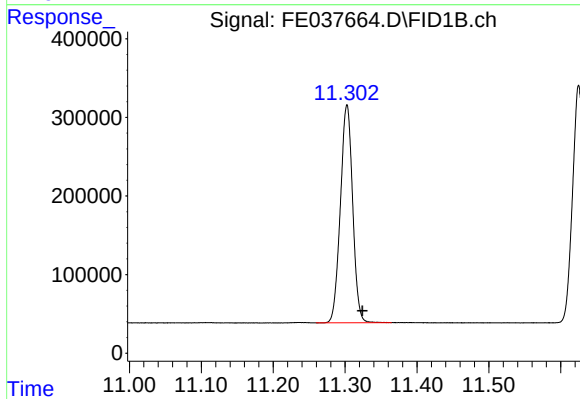
#6 n-Tetradecane (C14)

R.T.: 9.869 min
Delta R.T.: -0.021 min
Response: 3303193
Conc: 20.85 ug/ml



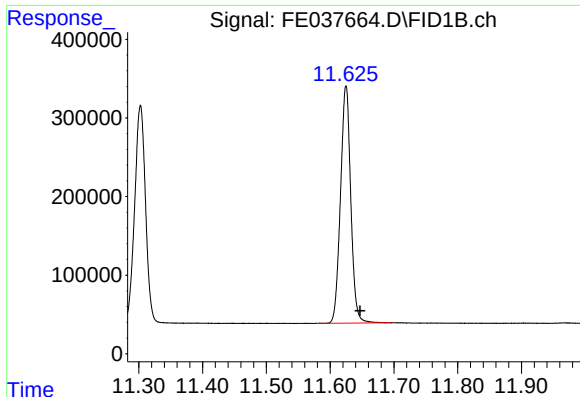
#7 n-Hexadecane (C16)

R.T.: 9.869 min
Delta R.T.: -0.021 min
Response: 3303193
Conc: 20.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.303 min
Delta R.T.: -0.021 min
Response: 3280789
Conc: 20.60 ug/ml



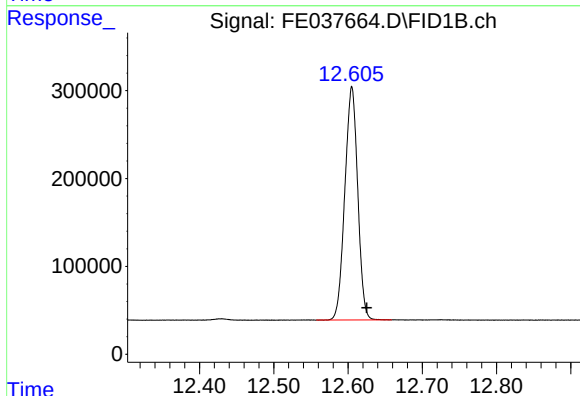
#9 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: -0.022 min
Response: 3374270
Conc: 19.97 ug/ml

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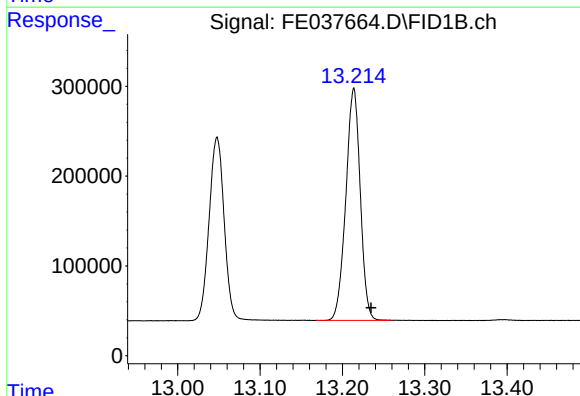
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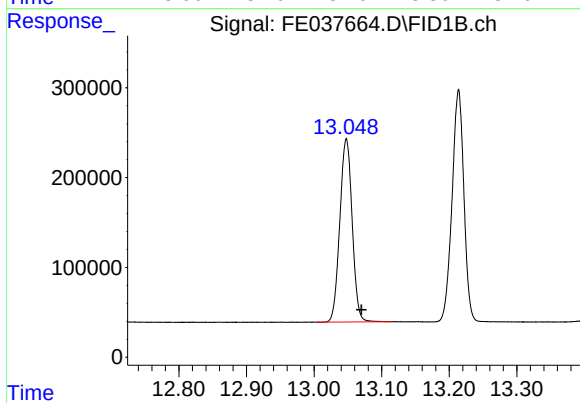
#10 n-Eicosane (C20)

R.T.: 12.605 min
Delta R.T.: -0.020 min
Response: 3201941
Conc: 20.24 ug/ml



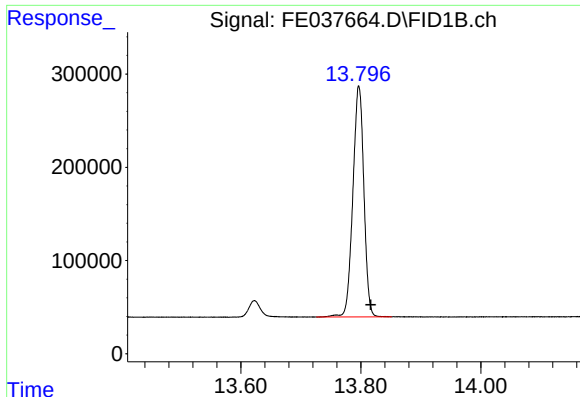
#11 n-Heneicosane (C21)

R.T.: 13.214 min
Delta R.T.: -0.021 min
Response: 3147682
Conc: 19.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.048 min
Delta R.T.: -0.022 min
Response: 2589799
Conc: 20.12 ug/ml



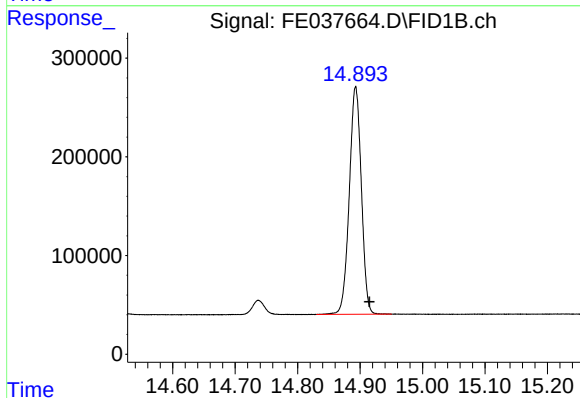
#13 n-Docosane (C22)

R.T.: 13.797 min
Delta R.T.: -0.020 min
Response: 3154969
Conc: 20.27 ug/ml

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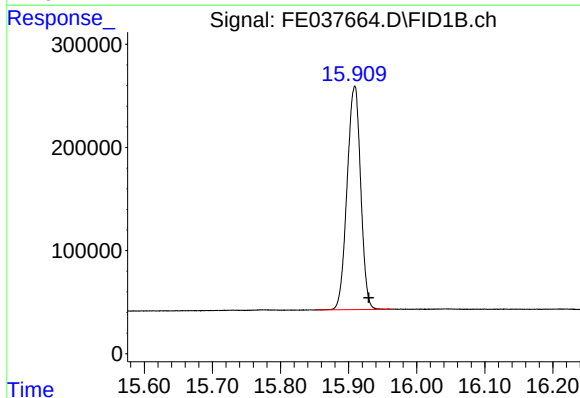
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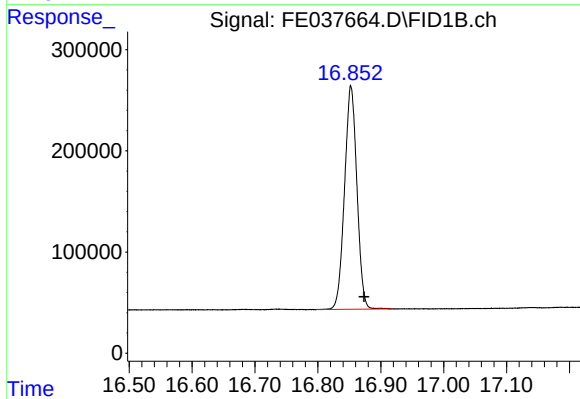
#14 n-Tetracosane (C24)

R.T.: 14.893 min
Delta R.T.: -0.022 min
Response: 3093972
Conc: 20.57 ug/ml



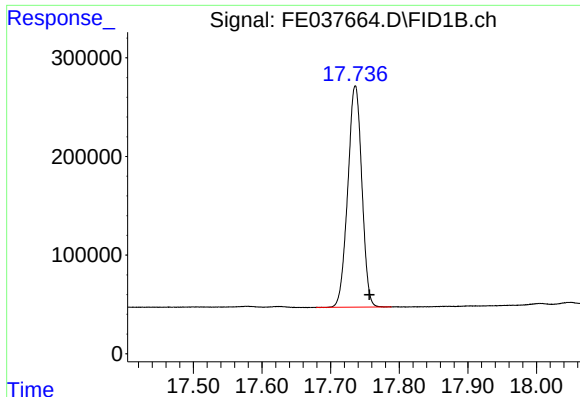
#15 n-Hexacosane (C26)

R.T.: 15.909 min
Delta R.T.: -0.020 min
Response: 3006634
Conc: 20.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.853 min
Delta R.T.: -0.021 min
Response: 3018150
Conc: 21.79 ug/ml



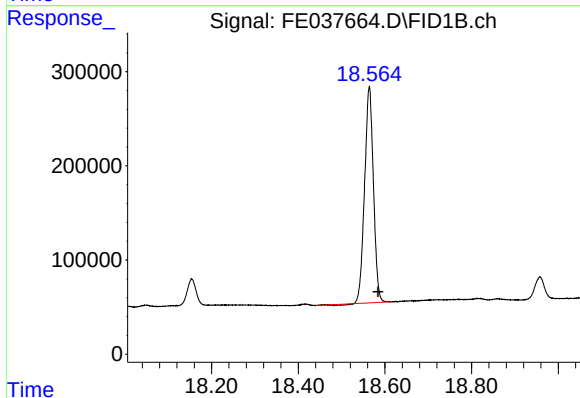
#17 n-Tricontane (C30)

R.T.: 17.736 min
Delta R.T.: -0.021 min
Response: 3199799
Conc: 23.52 ug/ml

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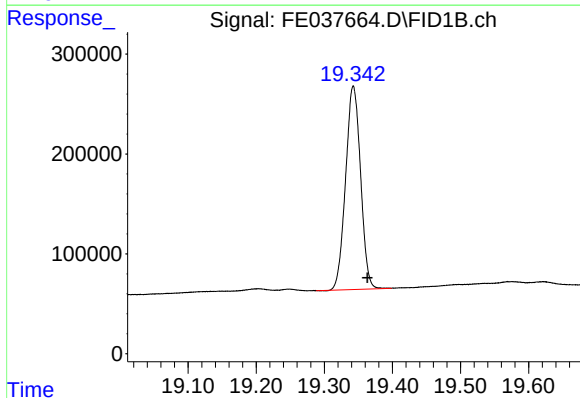
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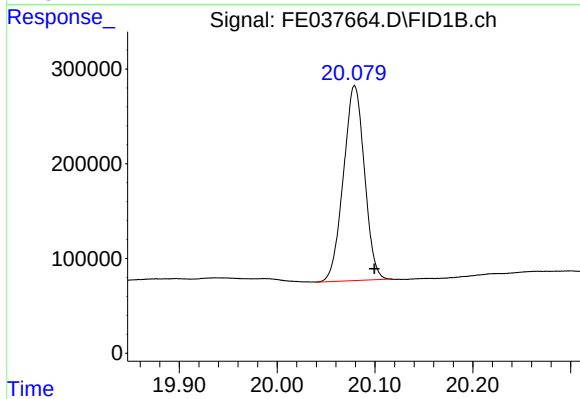
#18 n-Dotriacontane (C32)

R.T.: 18.564 min
Delta R.T.: -0.020 min
Response: 3249389
Conc: 24.33 ug/ml



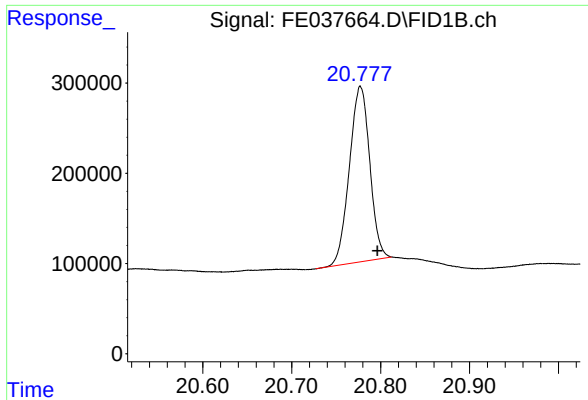
#19 n-Tetratriacontane (C34)

R.T.: 19.343 min
Delta R.T.: -0.021 min
Response: 3110615
Conc: 24.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.079 min
Delta R.T.: -0.021 min
Response: 3073558
Conc: 23.90 ug/ml m



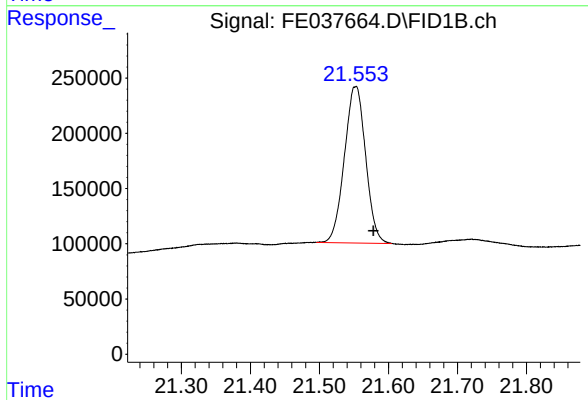
#21 n-Octatriacontane (C38)

R.T.: 20.777 min
Delta R.T.: -0.020 min
Response: 3101714
Conc: 24.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.553 min
Delta R.T.: -0.025 min
Response: 3032293
Conc: 23.52 ug/ml m