

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092322AL\
 Data File : FE037773.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2022 03:14
 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 24 17:21:13 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)	11.620	3442962	20.373 ug/ml
Spiked Amount 50.000		Recovery =	40.75%
12) S 1-chlorooctadecane (S...	13.042	2643875	20.543 ug/ml
Spiked Amount 50.000		Recovery =	41.09%
Target Compounds			
1) T n-Nonane (C9)	3.014	3317888	21.685 ug/mlm
2) T n-Decane (C10)	4.272	3371450	21.867 ug/ml
3) T A~Naphthalene (C11.7)	5.988	3280806	22.772 ug/ml
4) T n-Dodecane (C12)	6.444	3434311	21.718 ug/ml
5) T A~2-methylnaphthalene...	7.081	3181312	22.786 ug/ml
6) T n-Tetradecane (C14)	9.863	3405154	21.490 ug/ml
7) T n-Hexadecane (C16)	9.863	3405154	21.490 ug/ml
8) T n-Octadecane (C18)	11.297	3350880	21.043 ug/ml
10) T n-Eicosane (C20)	12.599	3246029	20.516 ug/ml
11) T n-Heneicosane (C21)	13.208	3196274	20.269 ug/ml
13) T n-Docosane (C22)	13.791	3141639	20.181 ug/ml
14) T n-Tetracosane (C24)	14.887	3053425	20.301 ug/ml
15) T n-Hexacosane (C26)	15.903	2987856	20.634 ug/ml
16) T n-Octacosane (C28)	16.848	2972417	21.456 ug/ml
17) T n-Tricontane (C30)	17.731	3077799	22.626 ug/ml
18) T n-Dotriacontane (C32)	18.561	3159522	23.661 ug/ml
19) T n-Tetratriacontane (C34)	19.339	2960858	23.401 ug/ml
20) T n-Hexatriacontane (C36)	20.076	2939749	22.857 ug/ml
21) T n-Octatriacontane (C38)	20.773	2777285	22.315 ug/ml
22) T n-Tetracontane (C40)	21.550	2715913	21.067 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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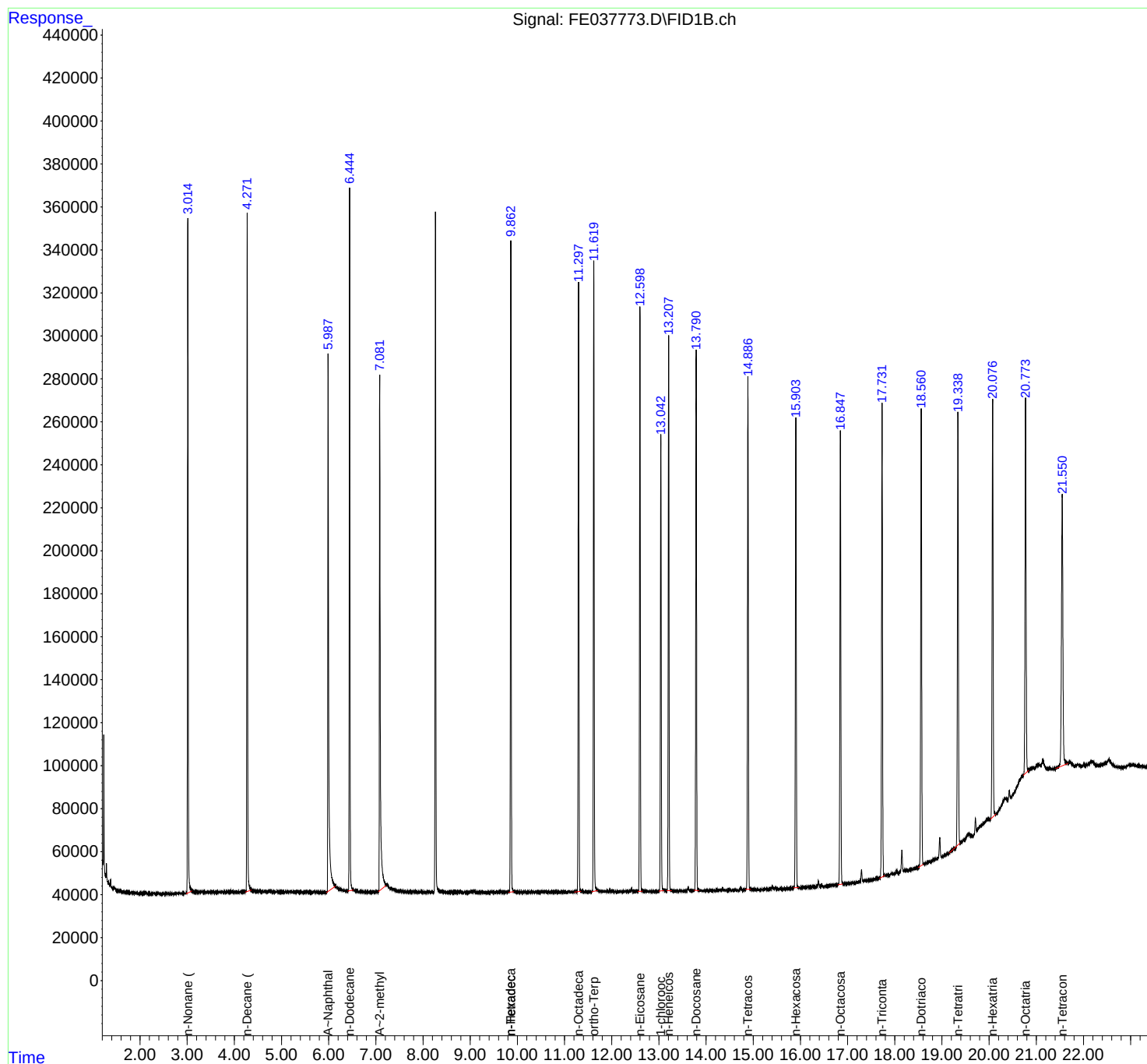
Instrument :
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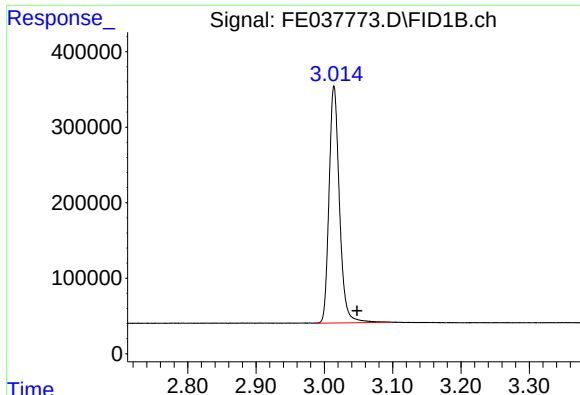
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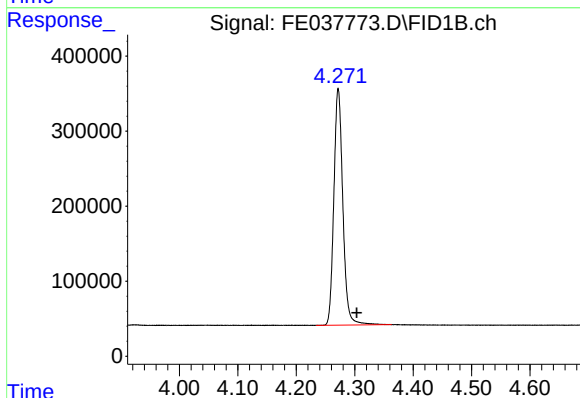
#1 n-Nonane (C9)

R.T.: 3.014 min
Delta R.T.: -0.034 min
Response: 3317888
Conc: 21.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

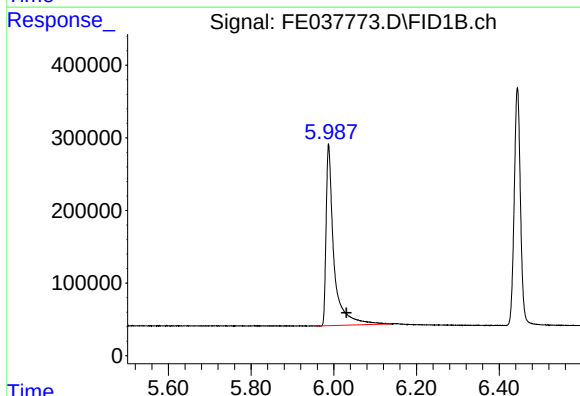
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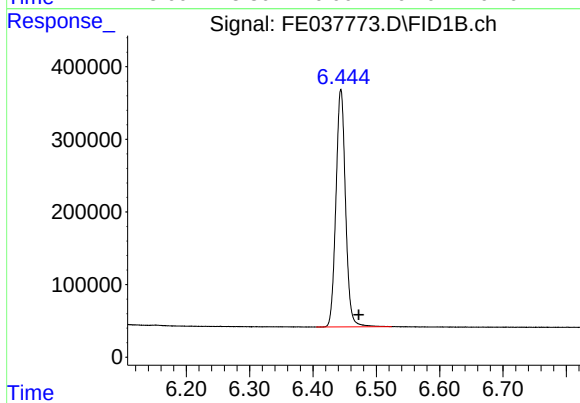
#2 n-Decane (C10)

R.T.: 4.272 min
Delta R.T.: -0.031 min
Response: 3371450
Conc: 21.87 ug/ml



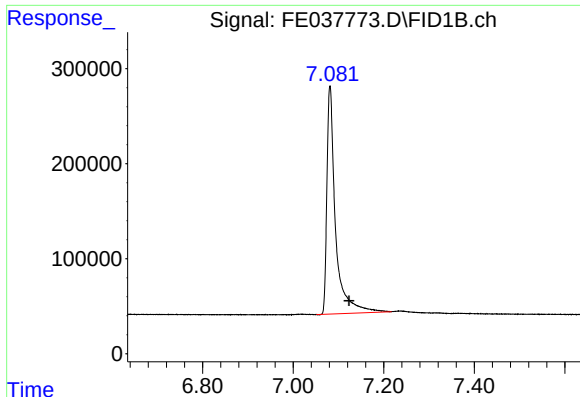
#3 A~Naphthalene (C11.7)

R.T.: 5.988 min
Delta R.T.: -0.043 min
Response: 3280806
Conc: 22.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.444 min
Delta R.T.: -0.028 min
Response: 3434311
Conc: 21.72 ug/ml



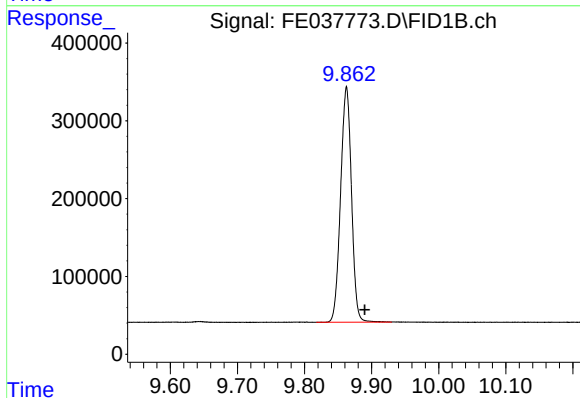
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.081 min
Delta R.T.: -0.042 min
Response: 3181312
Conc: 22.79 ug/ml

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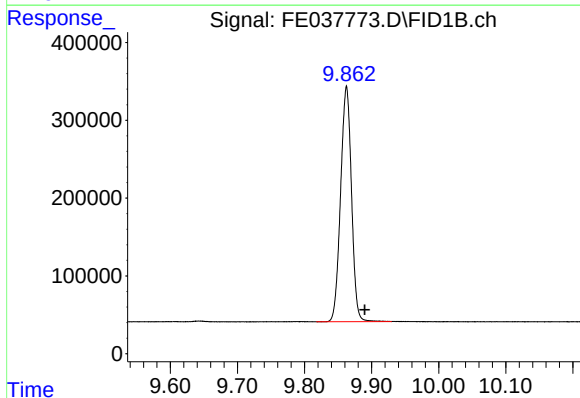
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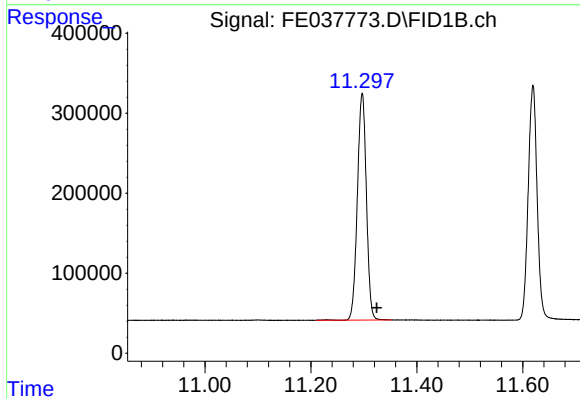
#6 n-Tetradecane (C14)

R.T.: 9.863 min
Delta R.T.: -0.027 min
Response: 3405154
Conc: 21.49 ug/ml



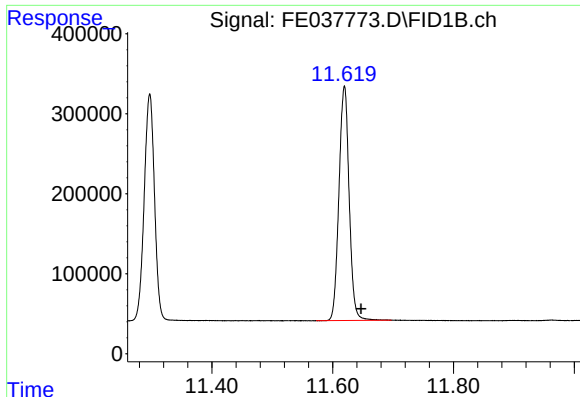
#7 n-Hexadecane (C16)

R.T.: 9.863 min
Delta R.T.: -0.027 min
Response: 3405154
Conc: 21.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.297 min
Delta R.T.: -0.027 min
Response: 3350880
Conc: 21.04 ug/ml



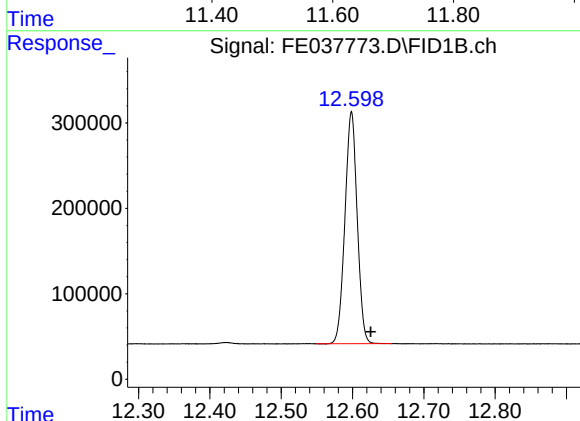
#9 ortho-Terphenyl (SURR)

R.T.: 11.620 min
Delta R.T.: -0.027 min
Response: 3442962
Conc: 20.37 ug/ml

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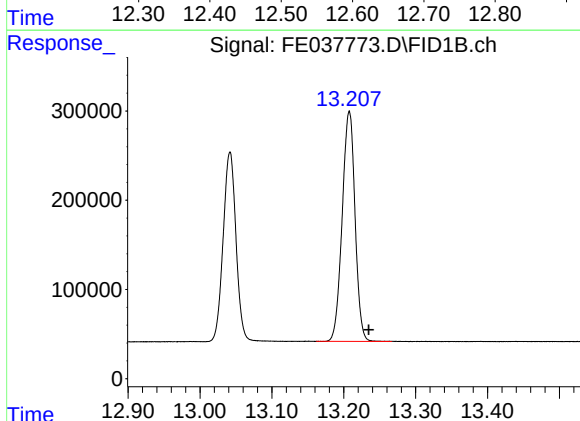
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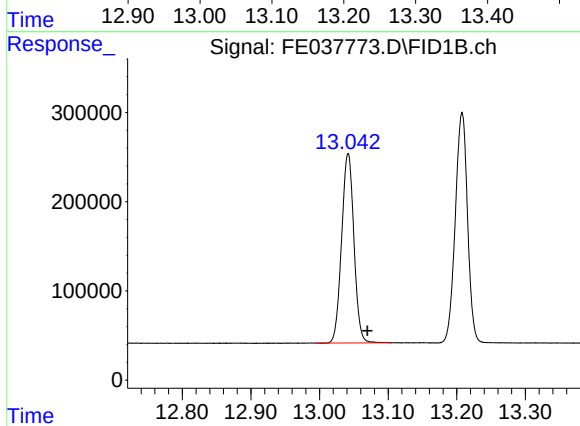
#10 n-Eicosane (C20)

R.T.: 12.599 min
Delta R.T.: -0.027 min
Response: 3246029
Conc: 20.52 ug/ml



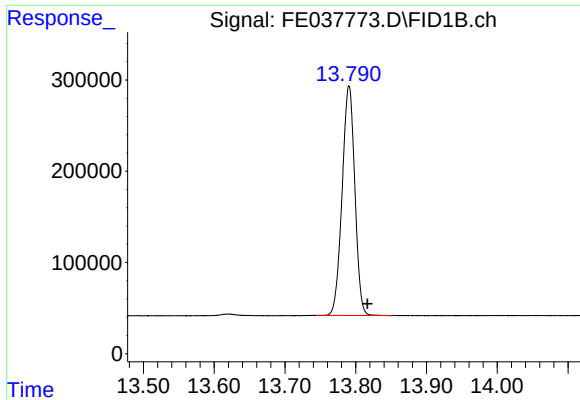
#11 n-Heneicosane (C21)

R.T.: 13.208 min
Delta R.T.: -0.027 min
Response: 3196274
Conc: 20.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.042 min
Delta R.T.: -0.028 min
Response: 2643875
Conc: 20.54 ug/ml



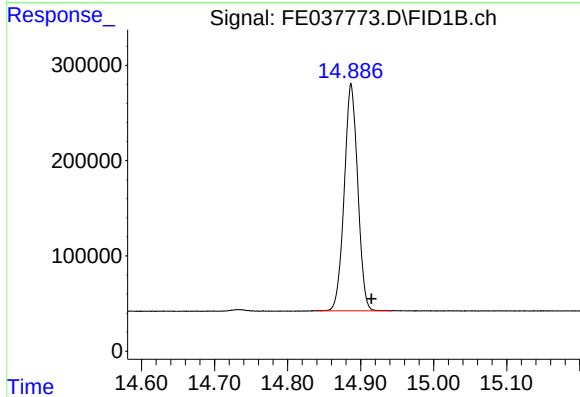
#13 n-Docosane (C22)

R.T.: 13.791 min
Delta R.T.: -0.026 min
Response: 3141639
Conc: 20.18 ug/ml

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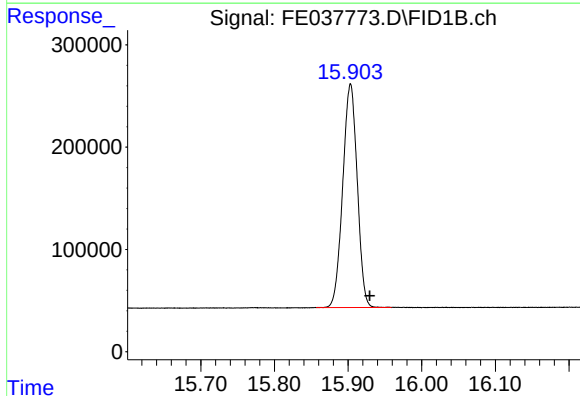
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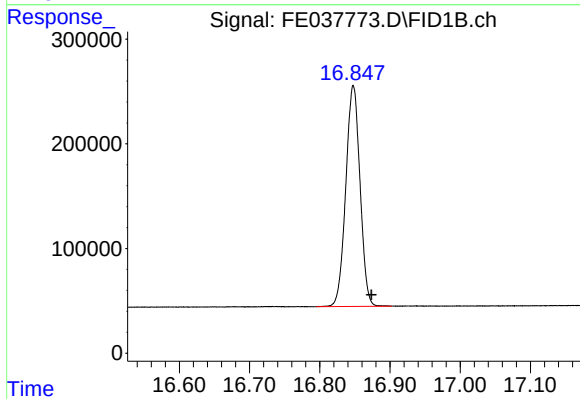
#14 n-Tetracosane (C24)

R.T.: 14.887 min
Delta R.T.: -0.028 min
Response: 3053425
Conc: 20.30 ug/ml



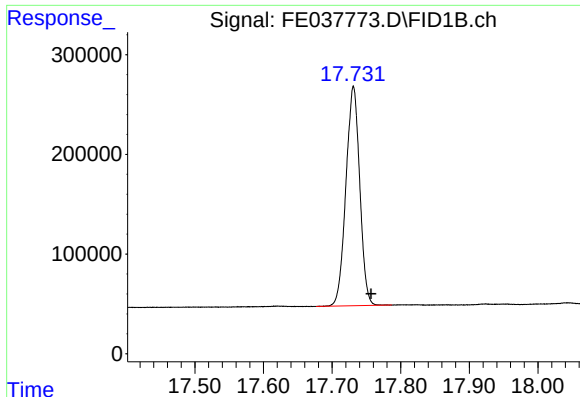
#15 n-Hexacosane (C26)

R.T.: 15.903 min
Delta R.T.: -0.026 min
Response: 2987856
Conc: 20.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.848 min
Delta R.T.: -0.026 min
Response: 2972417
Conc: 21.46 ug/ml



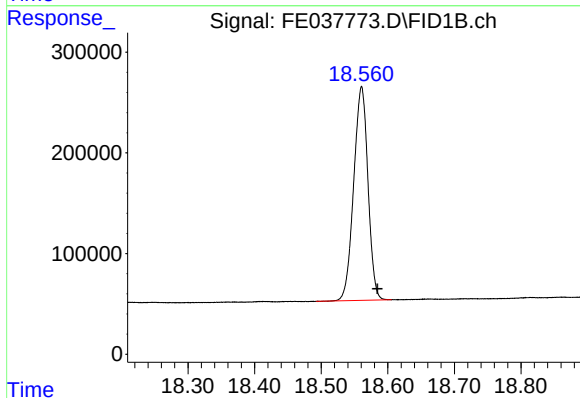
#17 n-Tricontane (C30)

R.T.: 17.731 min
Delta R.T.: -0.026 min
Response: 3077799
Conc: 22.63 ug/ml

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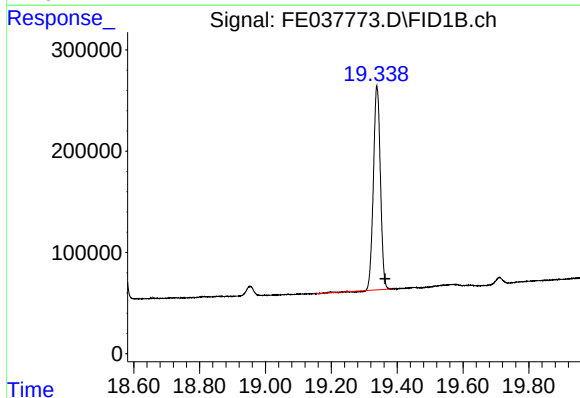
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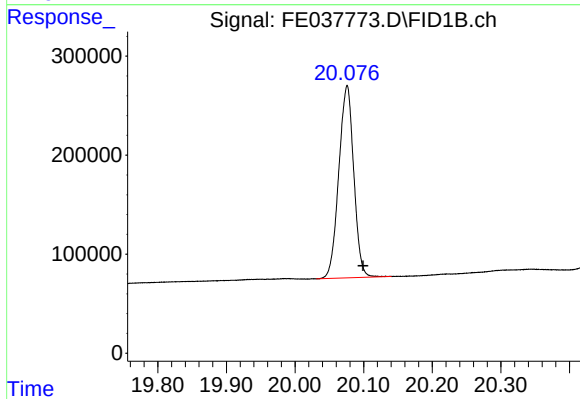
#18 n-Dotriacontane (C32)

R.T.: 18.561 min
Delta R.T.: -0.024 min
Response: 3159522
Conc: 23.66 ug/ml



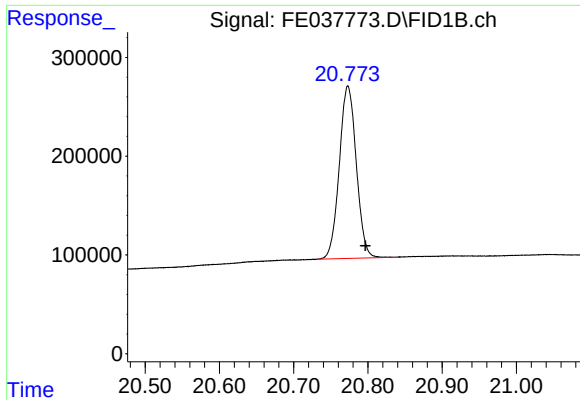
#19 n-Tetratriacontane (C34)

R.T.: 19.339 min
Delta R.T.: -0.025 min
Response: 2960858
Conc: 23.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.076 min
Delta R.T.: -0.023 min
Response: 2939749
Conc: 22.86 ug/ml



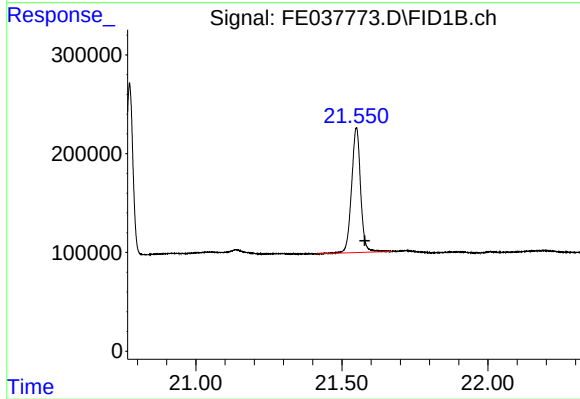
#21 n-Octatriacontane (C38)

R.T.: 20.773 min
Delta R.T.: -0.023 min
Response: 2777285
Conc: 22.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.550 min
Delta R.T.: -0.029 min
Response: 2715913
Conc: 21.07 ug/ml