

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090122AL\
 Data File : FE037394.D
 Signal(s) : FID1B.ch
 Acq On : 02 Sep 2022 04:22
 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 09/02/2022
 Supervised By :Ankita Jodhani 09/02/2022

Integration File: autoint1.e
 Quant Time: Sep 02 04:51:16 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)	11.633	3347062	19.806 ug/ml
Spiked Amount 50.000		Recovery =	39.61%
12) S 1-chlorooctadecane (S...	13.056	2593797	20.154 ug/ml
Spiked Amount 50.000		Recovery =	40.31%
Target Compounds			
1) T n-Nonane (C9)	3.029	3219632	21.043 ug/ml
2) T n-Decane (C10)	4.285	3281695	21.285 ug/ml
3) T A~Naphthalene (C11.7)	6.000	3323156	23.066 ug/ml
4) T n-Dodecane (C12)	6.456	3330751	21.063 ug/ml
5) T A~2-methylnaphthalene...	7.093	3249305	23.273 ug/ml
6) T n-Tetradecane (C14)	9.876	3281420	20.709 ug/ml
7) T n-Hexadecane (C16)	9.876	3281420	20.709 ug/ml
8) T n-Octadecane (C18)	11.311	3239553	20.343 ug/ml
10) T n-Eicosane (C20)	12.613	3182889	20.117 ug/ml
11) T n-Heneicosane (C21)	13.221	3141844	19.924 ug/ml
13) T n-Docosane (C22)	13.805	3081514	19.795 ug/ml
14) T n-Tetracosane (C24)	14.901	2995457	19.916 ug/ml
15) T n-Hexacosane (C26)	15.919	2862544	19.768 ug/ml
16) T n-Octacosane (C28)	16.862	2782421	20.084 ug/ml
17) T n-Tricontane (C30)	17.746	2842440	20.895 ug/ml
18) T n-Dotriacontane (C32)	18.574	2909816	21.791 ug/ml
19) T n-Tetratriacontane (C34)	19.353	2784147	22.004 ug/ml
20) T n-Hexatriacontane (C36)	20.089	2891220	22.480 ug/mlm
21) T n-Octatriacontane (C38)	20.785	2718843	21.845 ug/mlm
22) T n-Tetracontane (C40)	21.562	3099487	24.043 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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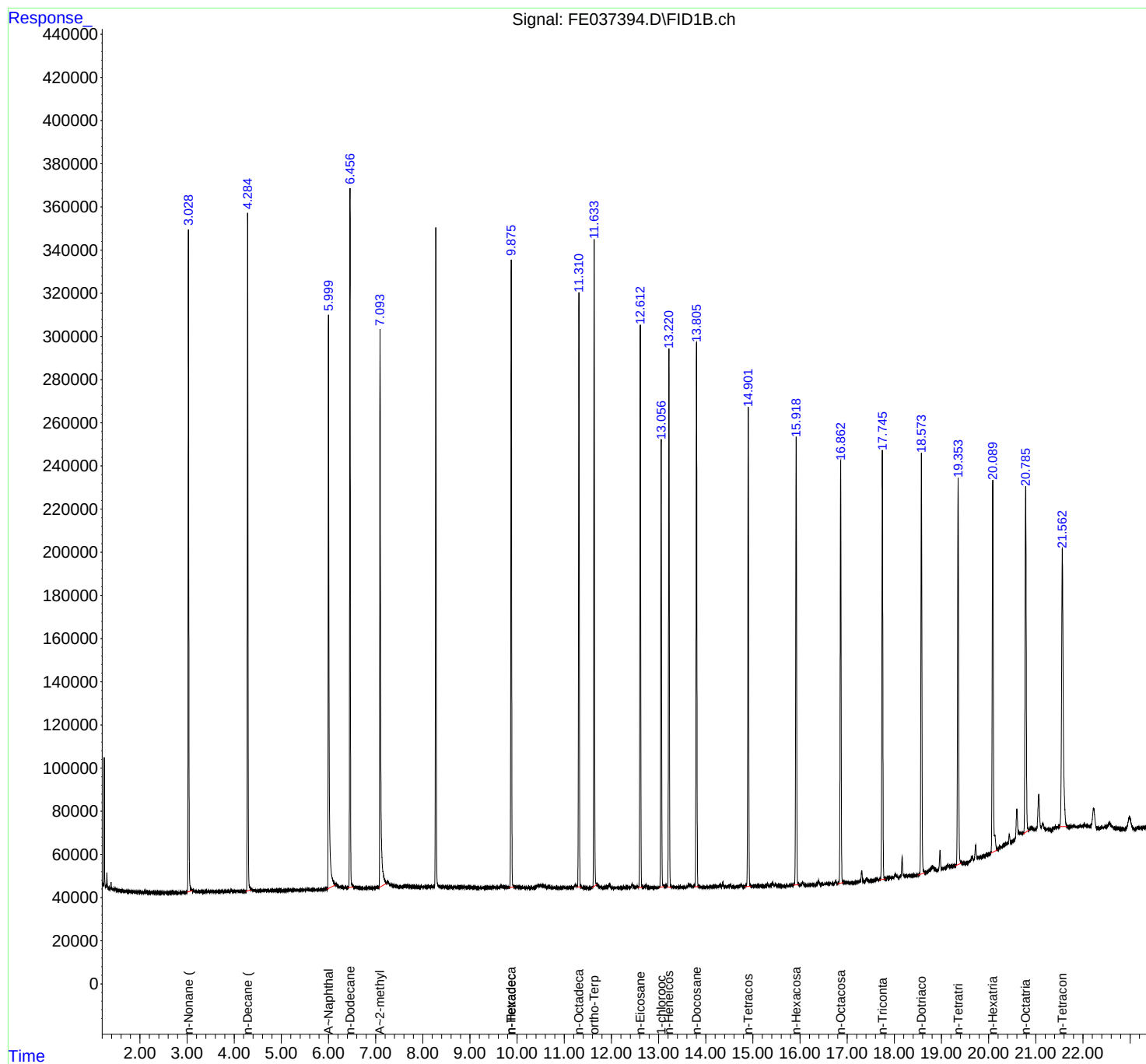
Instrument :
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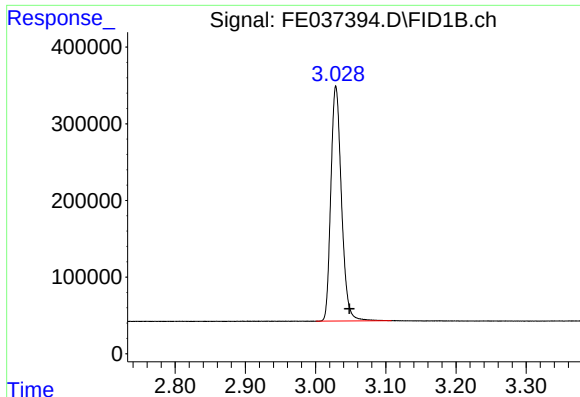
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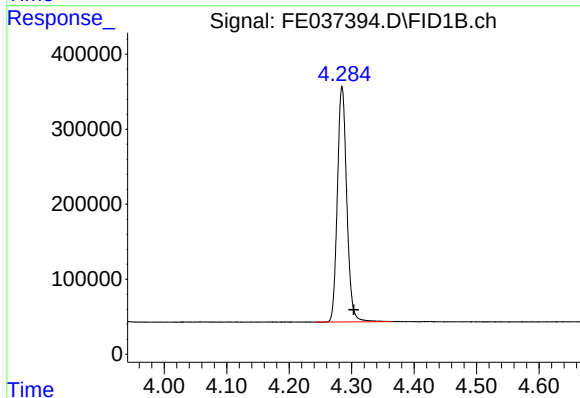
#1 n-Nonane (C9)

R.T.: 3.029 min
Delta R.T.: -0.019 min
Response: 3219632
Conc: 21.04 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

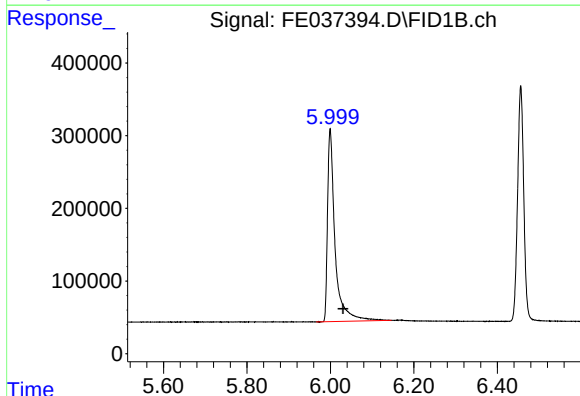
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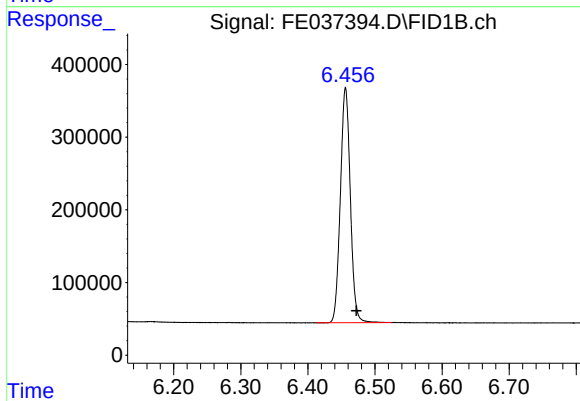
#2 n-Decane (C10)

R.T.: 4.285 min
Delta R.T.: -0.019 min
Response: 3281695
Conc: 21.29 ug/ml



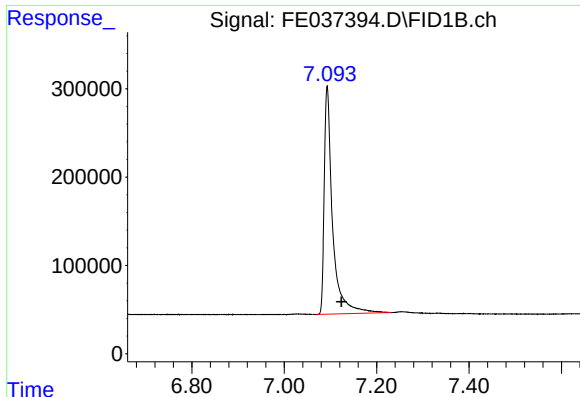
#3 A~Naphthalene (C11.7)

R.T.: 6.000 min
Delta R.T.: -0.031 min
Response: 3323156
Conc: 23.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.456 min
Delta R.T.: -0.016 min
Response: 3330751
Conc: 21.06 ug/ml



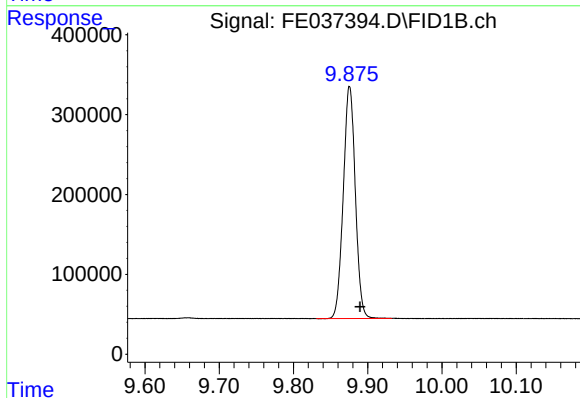
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.093 min
Delta R.T.: -0.030 min
Response: 3249305
Conc: 23.27 ug/ml

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20 PPM ALIPHATIC HC STD

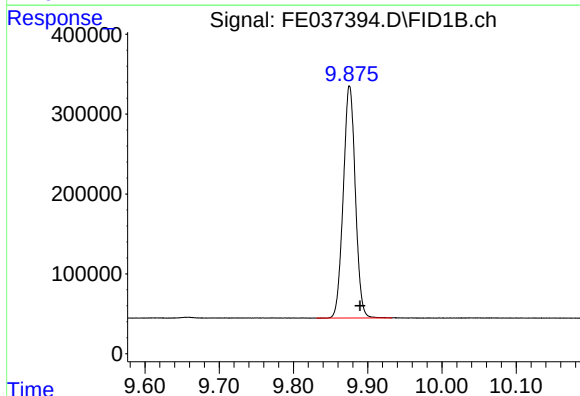
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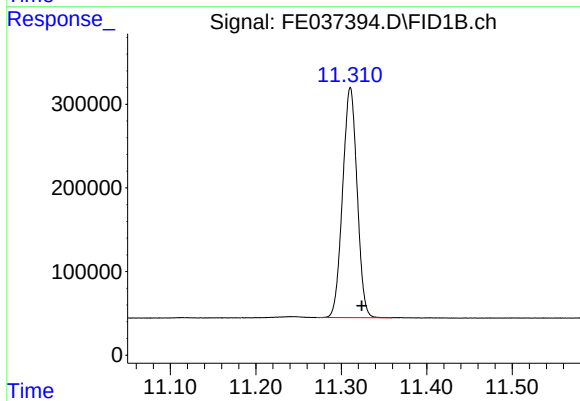
#6 n-Tetradecane (C14)

R.T.: 9.876 min
Delta R.T.: -0.014 min
Response: 3281420
Conc: 20.71 ug/ml



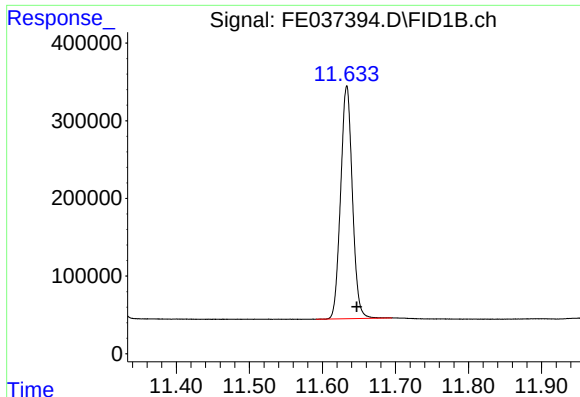
#7 n-Hexadecane (C16)

R.T.: 9.876 min
Delta R.T.: -0.014 min
Response: 3281420
Conc: 20.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.311 min
Delta R.T.: -0.014 min
Response: 3239553
Conc: 20.34 ug/ml



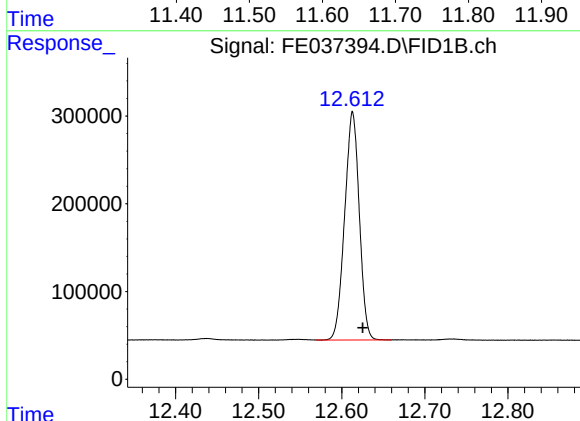
#9 ortho-Terphenyl (SURR)

R.T.: 11.633 min
Delta R.T.: -0.014 min
Response: 3347062
Conc: 19.81 ug/ml

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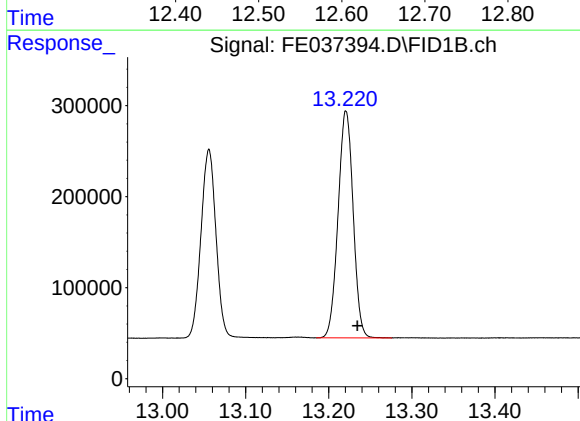
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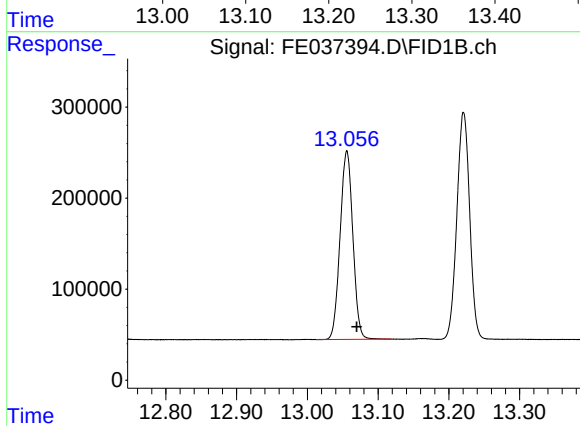
#10 n-Eicosane (C20)

R.T.: 12.613 min
Delta R.T.: -0.012 min
Response: 3182889
Conc: 20.12 ug/ml



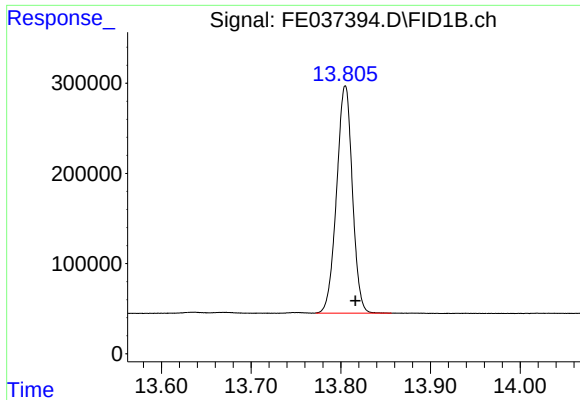
#11 n-Heneicosane (C21)

R.T.: 13.221 min
Delta R.T.: -0.014 min
Response: 3141844
Conc: 19.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.056 min
Delta R.T.: -0.014 min
Response: 2593797
Conc: 20.15 ug/ml



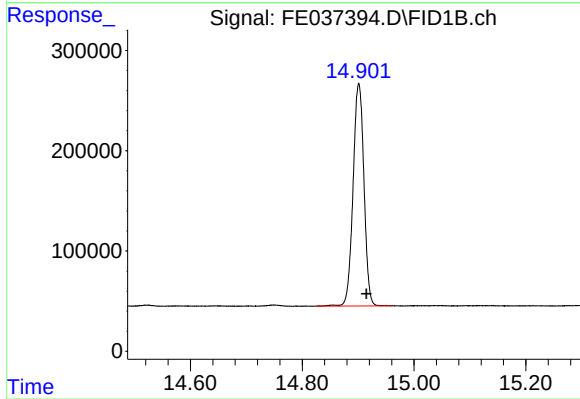
#13 n-Docosane (C22)

R.T.: 13.805 min
Delta R.T.: -0.011 min
Response: 3081514
Conc: 19.80 ug/ml

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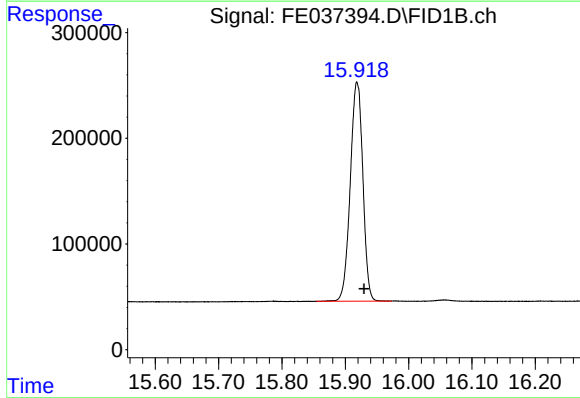
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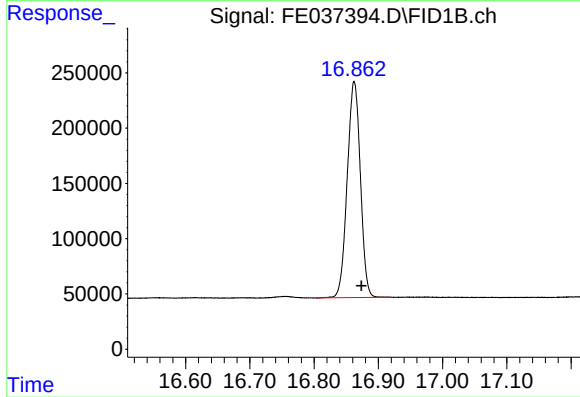
#14 n-Tetracosane (C24)

R.T.: 14.901 min
Delta R.T.: -0.013 min
Response: 2995457
Conc: 19.92 ug/ml



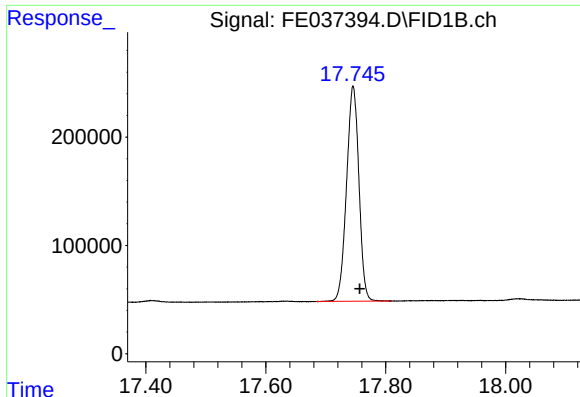
#15 n-Hexacosane (C26)

R.T.: 15.919 min
Delta R.T.: -0.011 min
Response: 2862544
Conc: 19.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.862 min
Delta R.T.: -0.011 min
Response: 2782421
Conc: 20.08 ug/ml



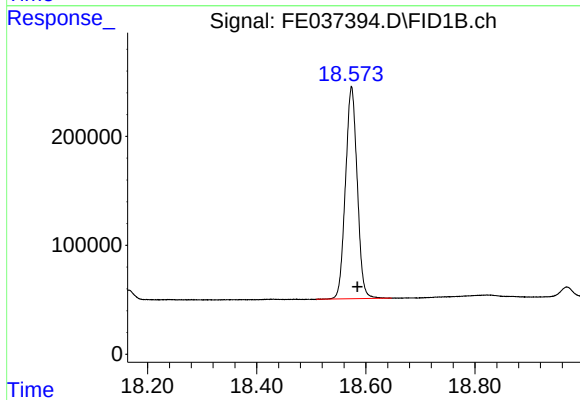
#17 n-Tricontane (C30)

R.T.: 17.746 min
Delta R.T.: -0.011 min
Response: 2842440
Conc: 20.90 ug/ml

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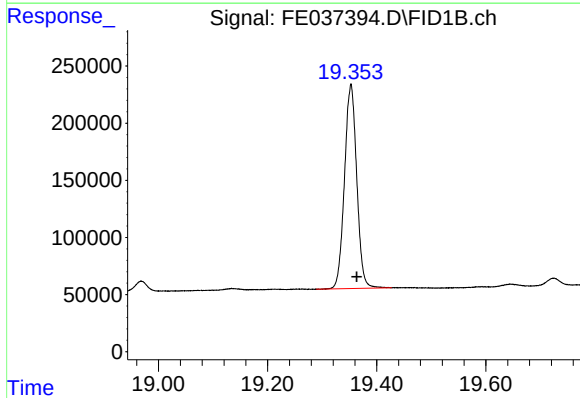
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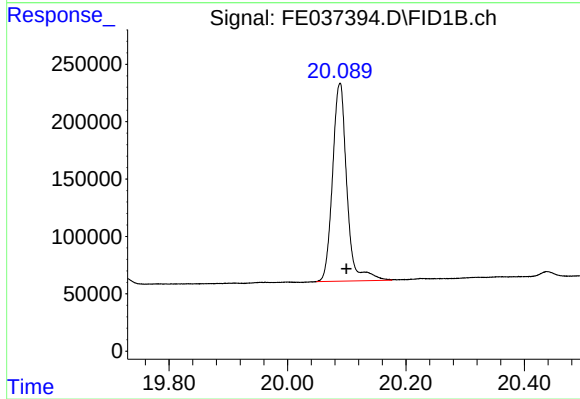
#18 n-Dotriacontane (C32)

R.T.: 18.574 min
Delta R.T.: -0.010 min
Response: 2909816
Conc: 21.79 ug/ml



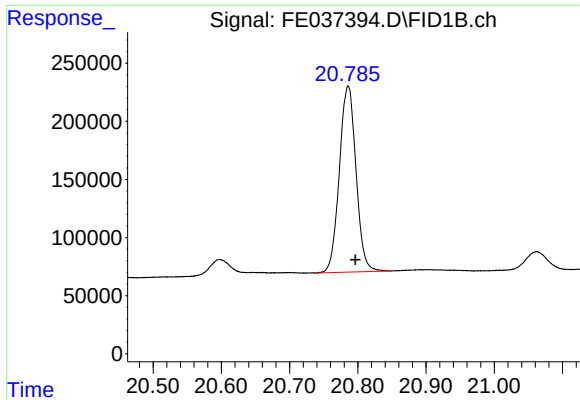
#19 n-Tetratriacontane (C34)

R.T.: 19.353 min
Delta R.T.: -0.010 min
Response: 2784147
Conc: 22.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.089 min
Delta R.T.: -0.010 min
Response: 2891220
Conc: 22.48 ug/ml m



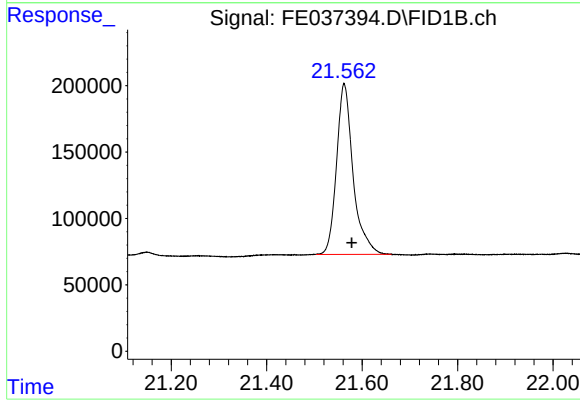
#21 n-Octatriacontane (C38)

R.T.: 20.785 min
Delta R.T.: -0.011 min
Response: 2718843
Conc: 21.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.562 min
Delta R.T.: -0.016 min
Response: 3099487
Conc: 24.04 ug/ml m