

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061925AL\
 Data File : FE054505.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jun 2025 21:00
 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 06/20/2025
 Supervised By :mohammad ahmed 06/23/2025

Integration File: autoint1.e
 Quant Time: Jun 20 02:14:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 2025
 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)	11.824	3318335	20.082 ug/ml
Spiked Amount 50.000		Recovery =	40.16%
12) S 1-chlorooctadecane (S...	13.269	2468931	20.246 ug/ml
Spiked Amount 50.000		Recovery =	40.49%
Target Compounds			
1) T n-Nonane (C9)	3.172	2424777	19.526 ug/ml
2) T n-Decane (C10)	4.435	2468730	19.868 ug/ml
3) T A~Naphthalene (C11.7)	6.150	2701770	19.992 ug/mlm
4) T n-Dodecane (C12)	6.617	2552190	20.044 ug/ml
5) T A~2-methylnaphthalene...	7.253	2692051	20.325 ug/ml
6) T n-Tetradecane (C14)	8.452	2580349	19.931 ug/ml
7) T n-Hexadecane (C16)	10.064	2649764	19.947 ug/ml
8) T n-Octadecane (C18)	11.511	2712656	20.089 ug/ml
10) T n-Eicosane (C20)	12.824	2691798	20.122 ug/ml
11) T n-Heneicosane (C21)	13.437	2673220	20.104 ug/ml
13) T n-Docosane (C22)	14.024	2659804	20.285 ug/ml
14) T n-Tetracosane (C24)	15.130	2655291	20.585 ug/ml
15) T n-Hexacosane (C26)	16.153	2608223	20.778 ug/ml
16) T n-Octacosane (C28)	17.104	2642270	21.547 ug/ml
17) T n-Tricontane (C30)	17.994	2841289	22.924 ug/ml
18) T n-Dotriacontane (C32)	18.828	2951954	23.495 ug/ml
19) T n-Tetratriacontane (C34)	19.613	2847910	22.892 ug/ml
20) T n-Hexatriacontane (C36)	20.353	2827688	21.966 ug/ml
21) T n-Octatriacontane (C38)	21.081	2842036	21.524 ug/ml
22) T n-Tetracontane (C40)	21.968	2728788	20.257 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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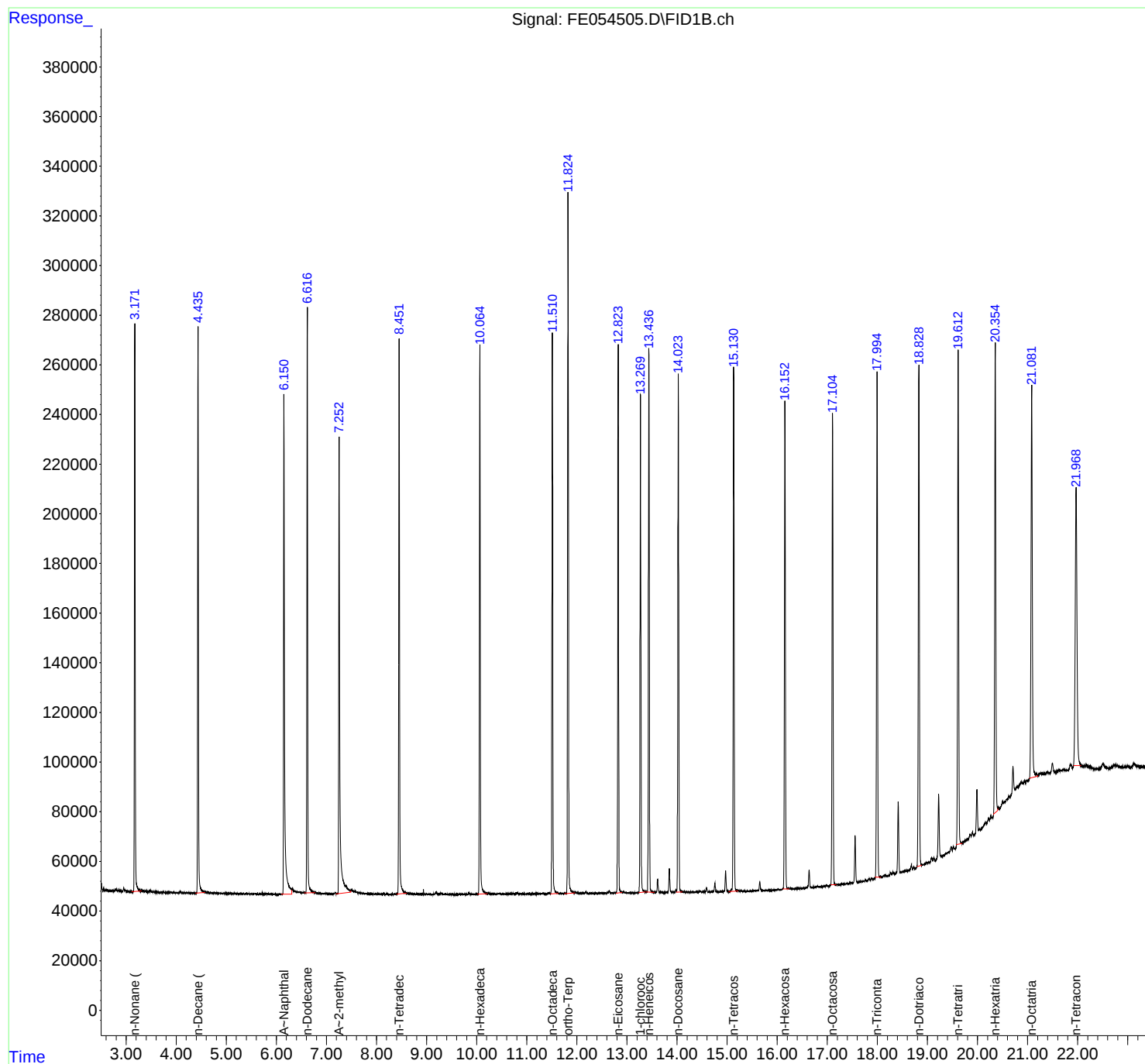
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20 PPM ALIPHATIC HC STD

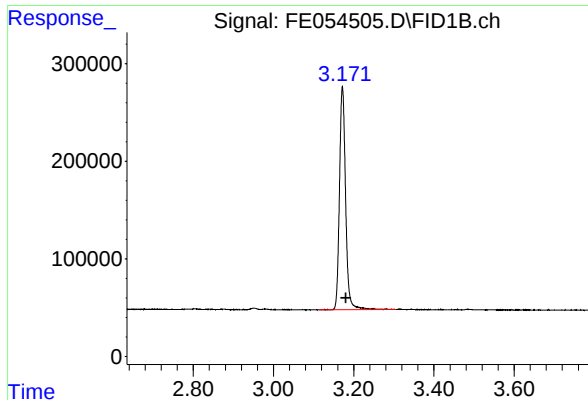
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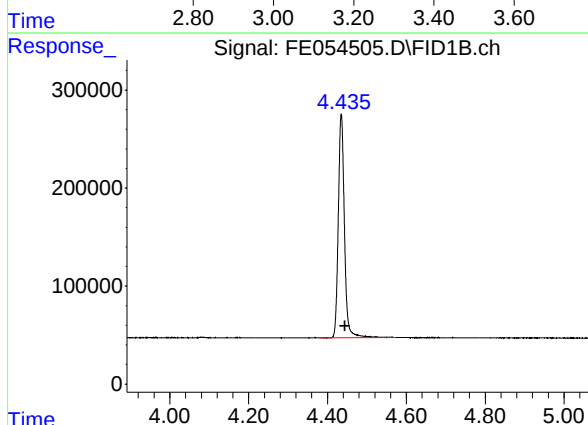
#1 n-Nonane (C9)

R.T.: 3.172 min
Delta R.T.: -0.009 min
Response: 2424777
Conc: 19.53 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

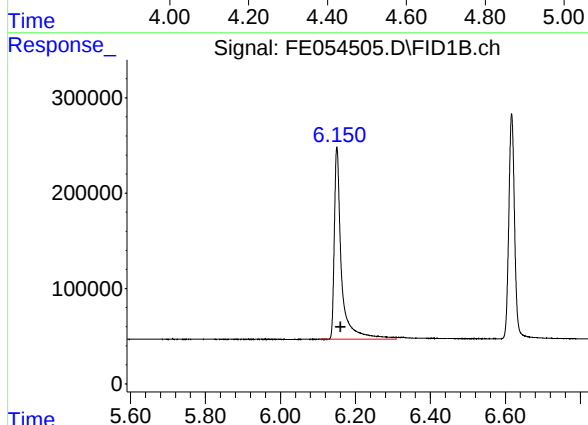
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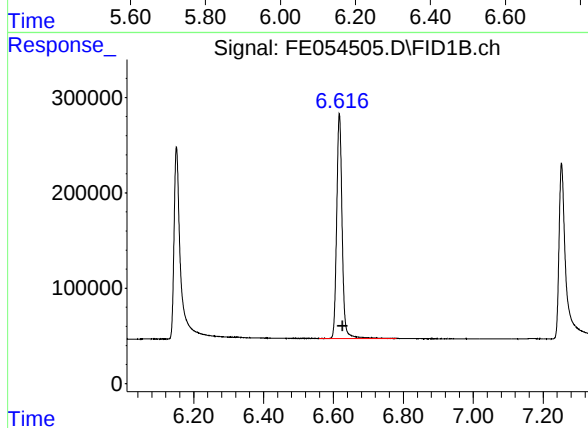
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.009 min
Response: 2468730
Conc: 19.87 ug/ml



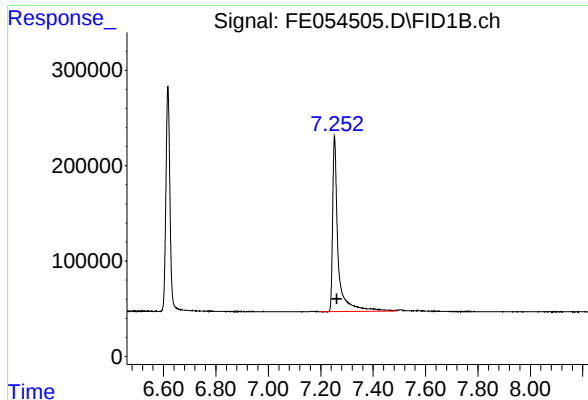
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.010 min
Response: 2701770
Conc: 19.99 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 2552190
Conc: 20.04 ug/ml



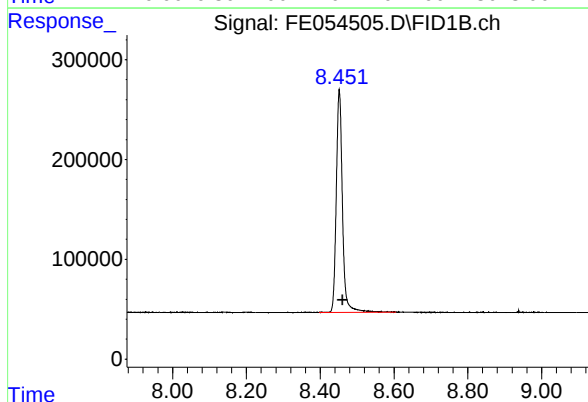
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.253 min
Delta R.T.: -0.010 min
Response: 2692051
Conc: 20.32 ug/ml

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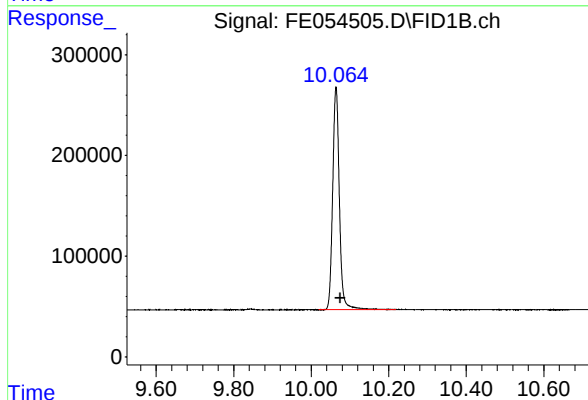
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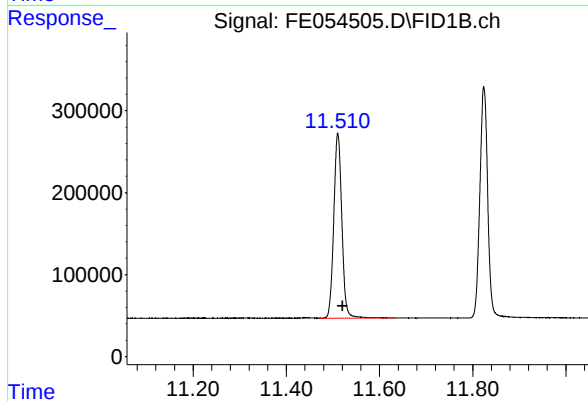
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2580349
Conc: 19.93 ug/ml



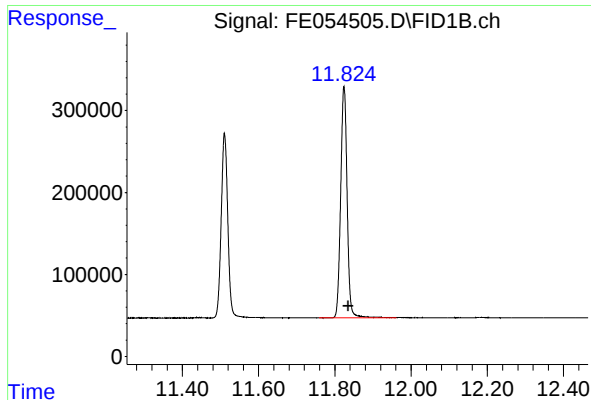
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 2649764
Conc: 19.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 2712656
Conc: 20.09 ug/ml



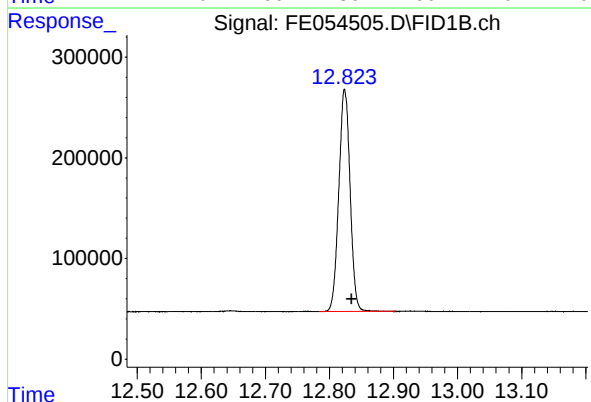
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3318335
Conc: 20.08 ug/ml

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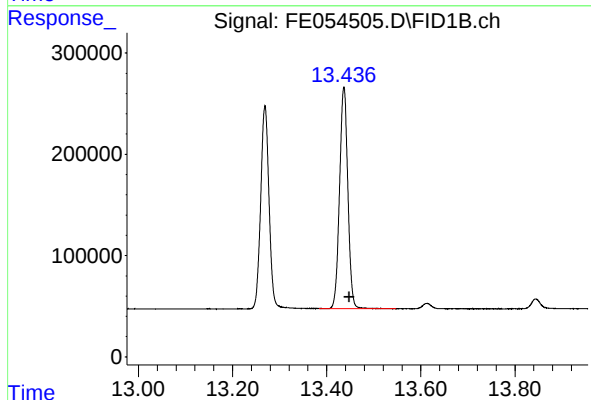
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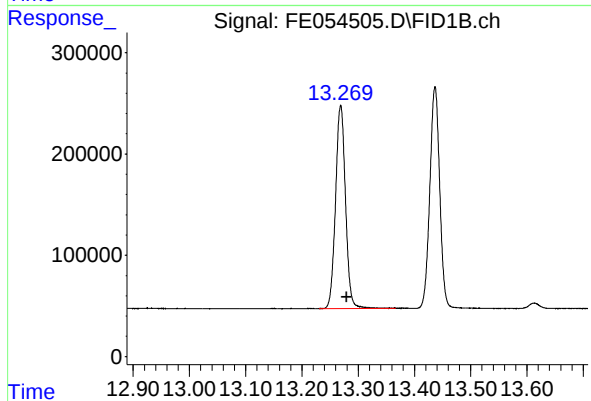
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 2691798
Conc: 20.12 ug/ml



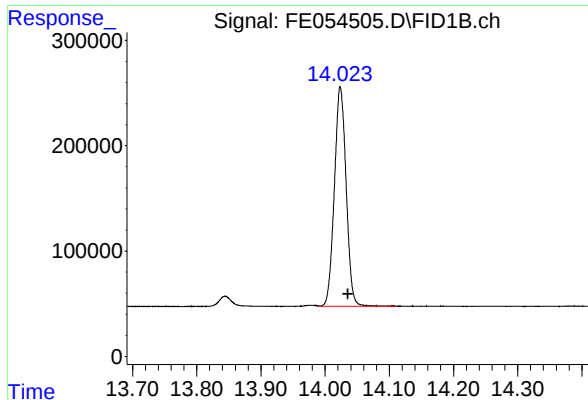
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2673220
Conc: 20.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.011 min
Response: 2468931
Conc: 20.25 ug/ml



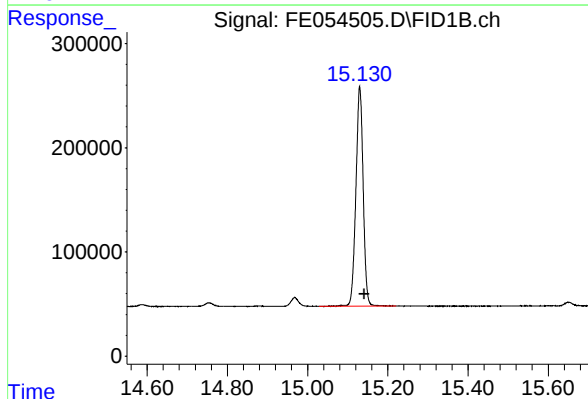
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.012 min
Response: 2659804
Conc: 20.29 ug/ml

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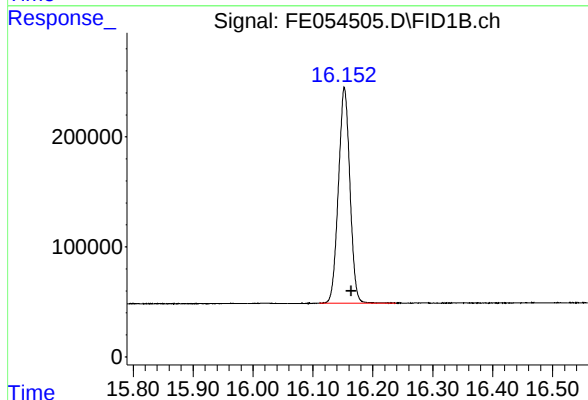
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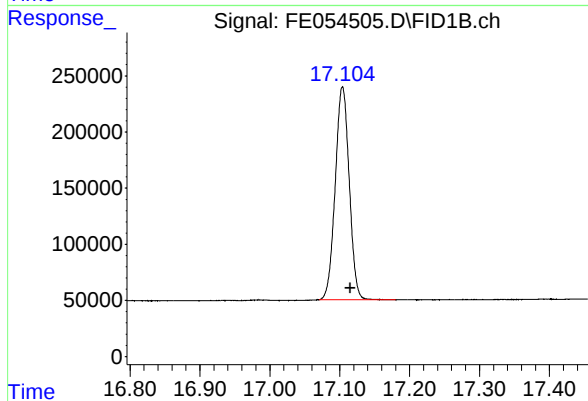
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.011 min
Response: 2655291
Conc: 20.58 ug/ml



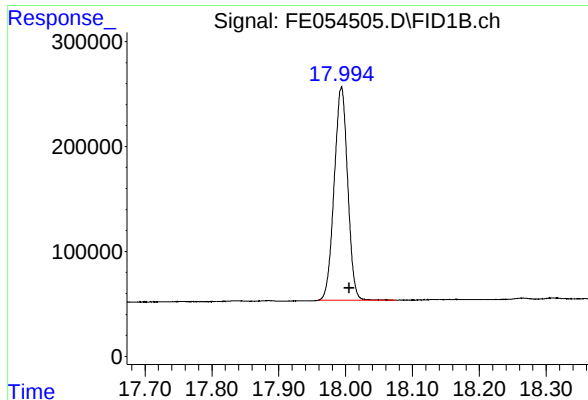
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.011 min
Response: 2608223
Conc: 20.78 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2642270
Conc: 21.55 ug/ml



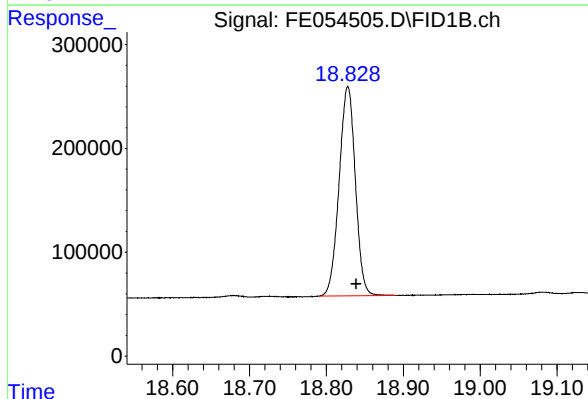
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.012 min
Response: 2841289
Conc: 22.92 ug/ml

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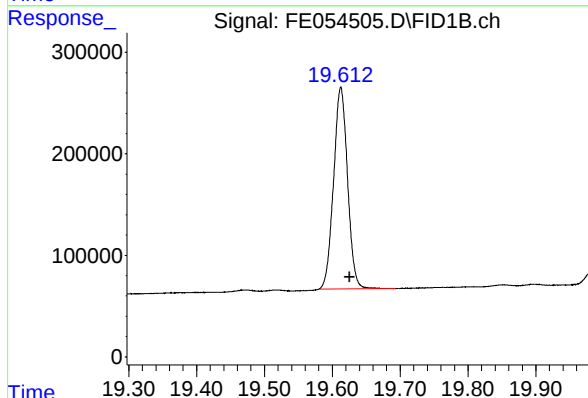
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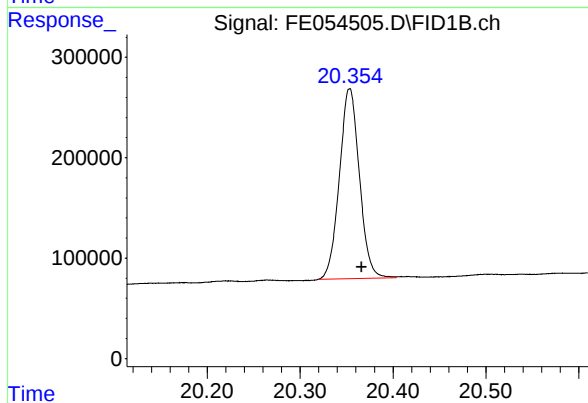
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 2951954
Conc: 23.49 ug/ml



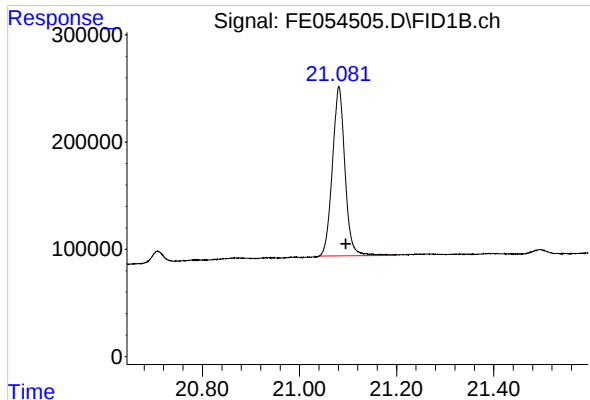
#19 n-Tetatriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.013 min
Response: 2847910
Conc: 22.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 2827688
Conc: 21.97 ug/ml



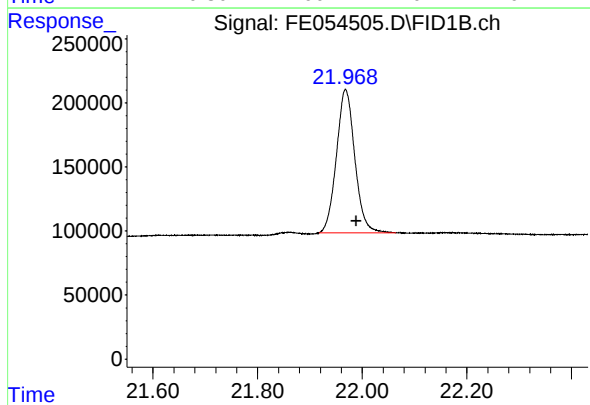
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.014 min
Response: 2842036
Conc: 21.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.021 min
Response: 2728788
Conc: 20.26 ug/ml m