

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061725AL\
 Data File : FE054470.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jun 2025 05:35
 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 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e
 Quant Time: Jun 18 06:25:04 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	3194736	19.334 ug/ml
Spiked Amount 50.000		Recovery =	38.67%
12) S 1-chlorooctadecane (S...	13.269	2383269	19.543 ug/ml
Spiked Amount 50.000		Recovery =	39.09%
Target Compounds			
1) T n-Nonane (C9)	3.173	2392904	19.270 ug/ml
2) T n-Decane (C10)	4.436	2444684	19.675 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2564716	18.978 ug/ml
4) T n-Dodecane (C12)	6.617	2514657	19.749 ug/ml
5) T A~2-methylnaphthalene...	7.254	2650120	20.008 ug/ml
6) T n-Tetradecane (C14)	8.452	2532611	19.562 ug/ml
7) T n-Hexadecane (C16)	10.064	2596032	19.543 ug/ml
8) T n-Octadecane (C18)	11.511	2634461	19.510 ug/ml
10) T n-Eicosane (C20)	12.823	2598369	19.423 ug/ml
11) T n-Heneicosane (C21)	13.437	2577266	19.383 ug/ml
13) T n-Docosane (C22)	14.024	2557271	19.503 ug/ml
14) T n-Tetracosane (C24)	15.128	2529024	19.606 ug/ml
15) T n-Hexacosane (C26)	16.152	2477435	19.736 ug/ml
16) T n-Octacosane (C28)	17.104	2476840	20.198 ug/ml
17) T n-Tricontane (C30)	17.992	2613082	21.083 ug/ml
18) T n-Dotriacontane (C32)	18.827	2712192	21.586 ug/ml
19) T n-Tetratriacontane (C34)	19.610	2613299	21.006 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	2634395	20.464 ug/ml
21) T n-Octatriacontane (C38)	21.080	2631438	19.929 ug/ml
22) T n-Tetracontane (C40)	21.967	2657287	19.727 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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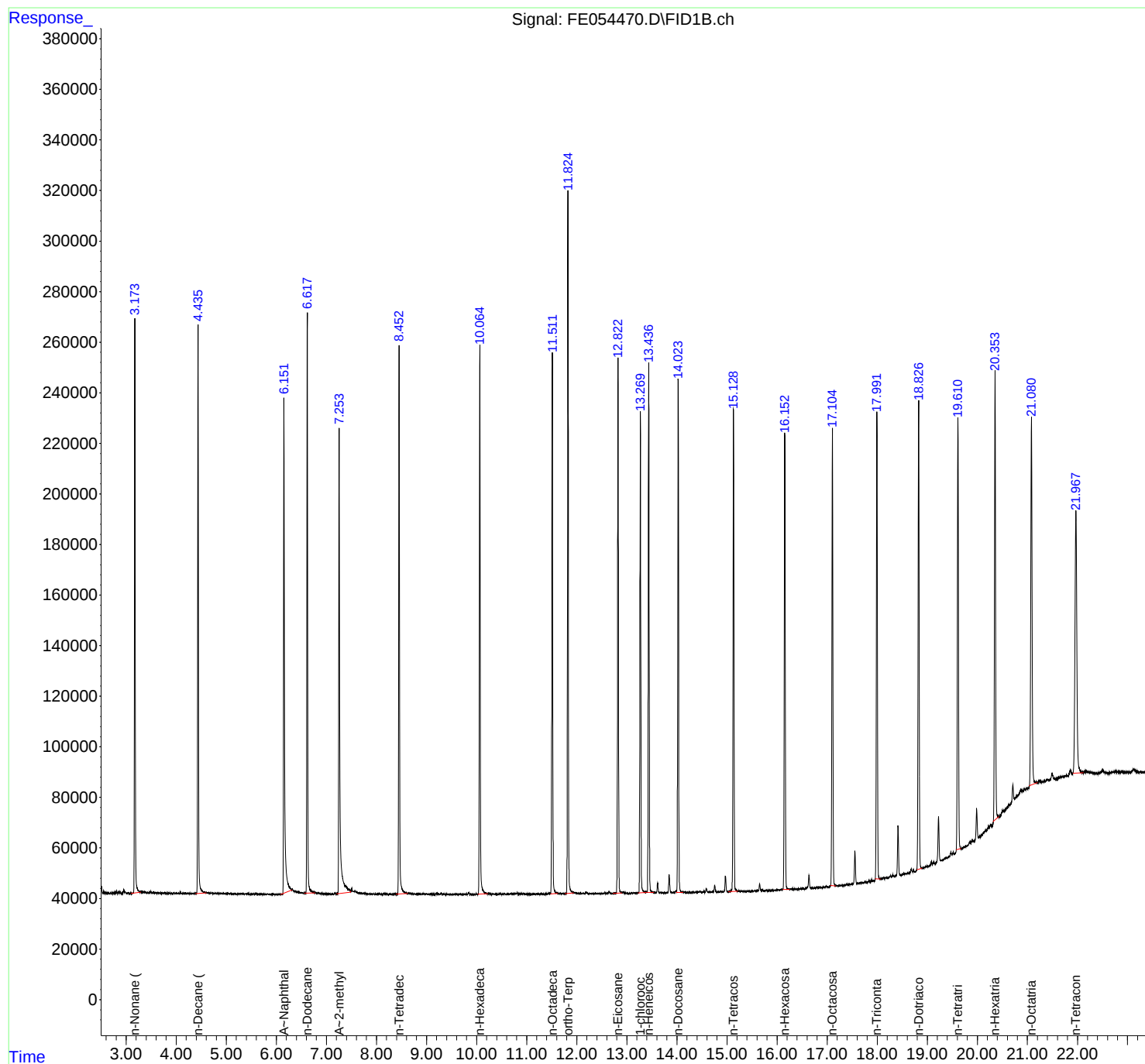
Instrument :
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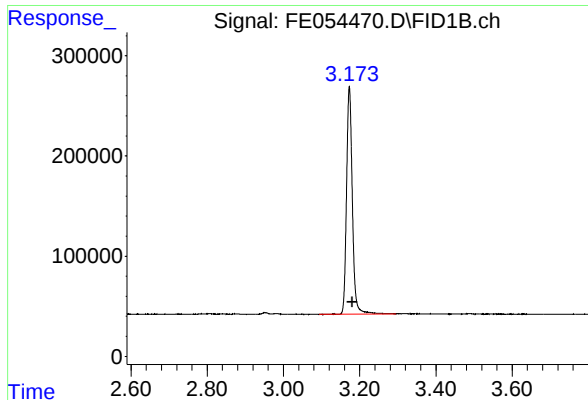
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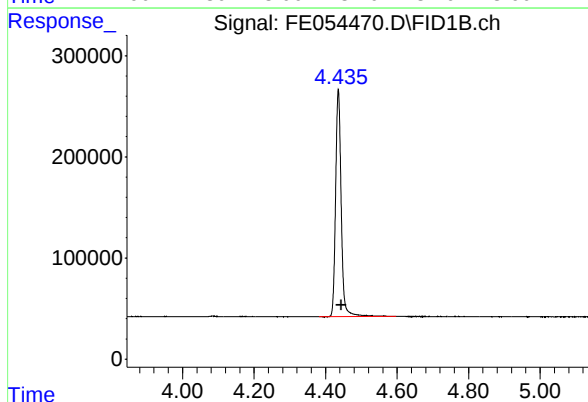
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2392904
Conc: 19.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

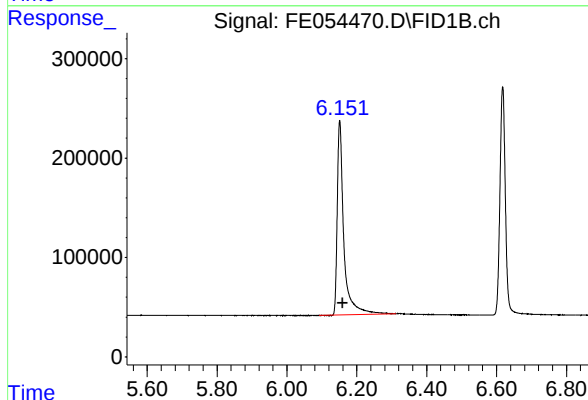
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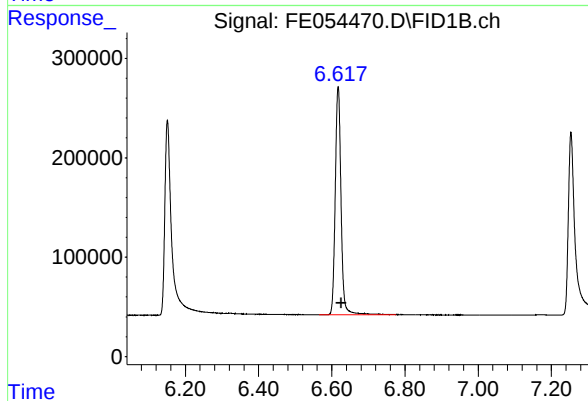
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.009 min
Response: 2444684
Conc: 19.67 ug/ml



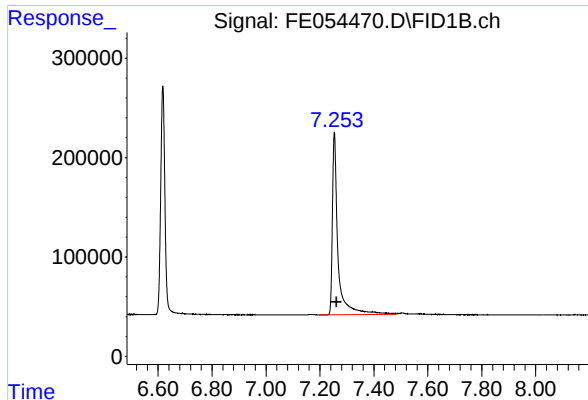
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2564716
Conc: 18.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2514657
Conc: 19.75 ug/ml



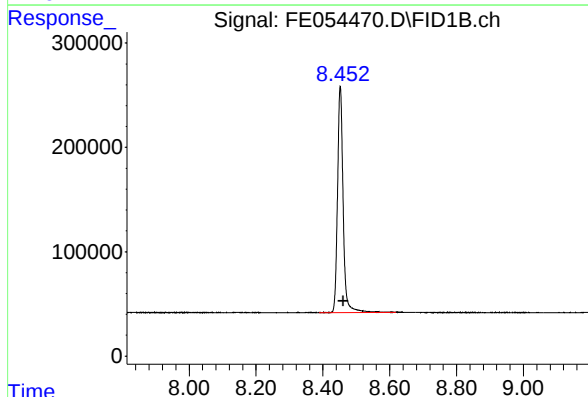
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2650120
Conc: 20.01 ug/ml

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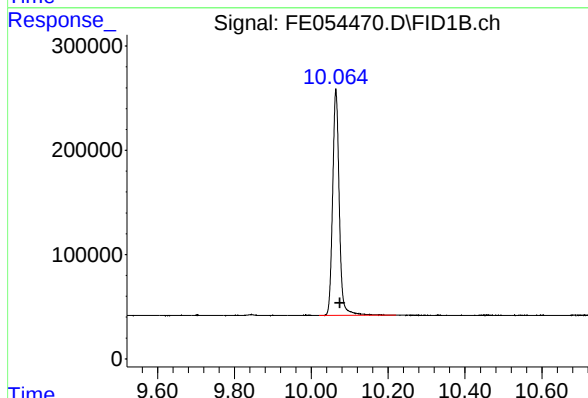
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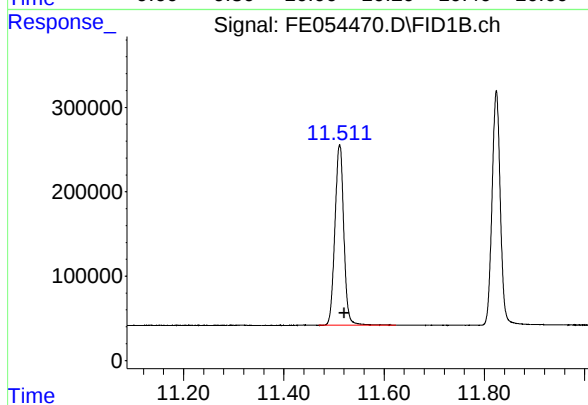
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.009 min
Response: 2532611
Conc: 19.56 ug/ml



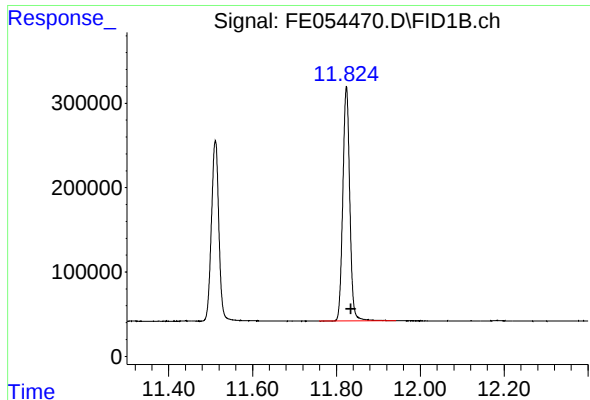
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 2596032
Conc: 19.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 2634461
Conc: 19.51 ug/ml



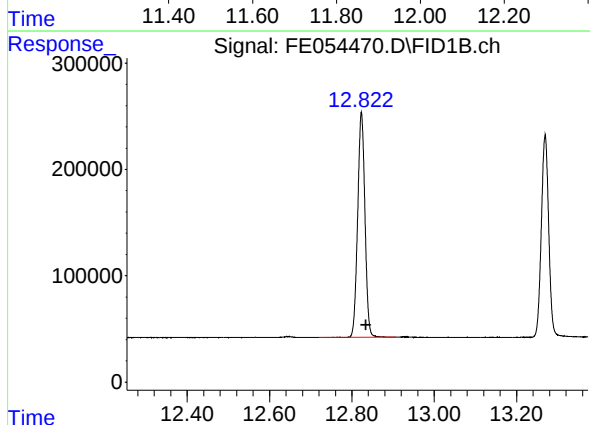
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3194736
Conc: 19.33 ug/ml

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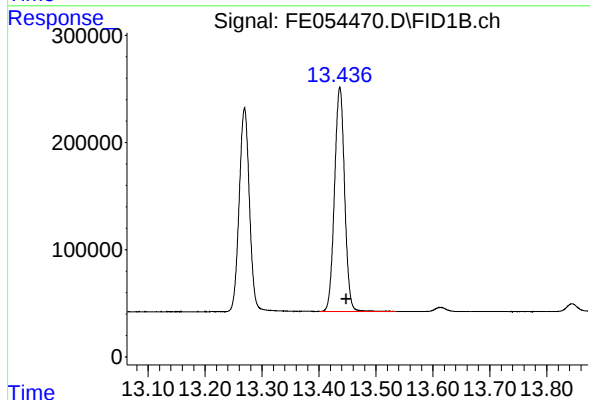
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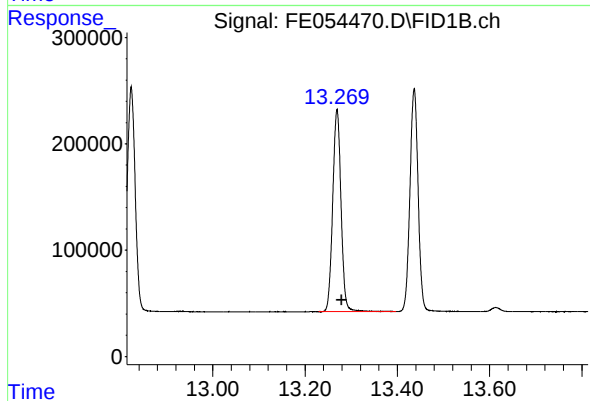
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.011 min
Response: 2598369
Conc: 19.42 ug/ml



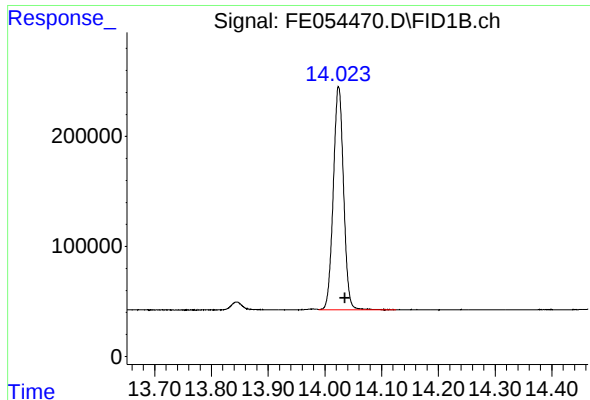
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2577266
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.010 min
Response: 2383269
Conc: 19.54 ug/ml



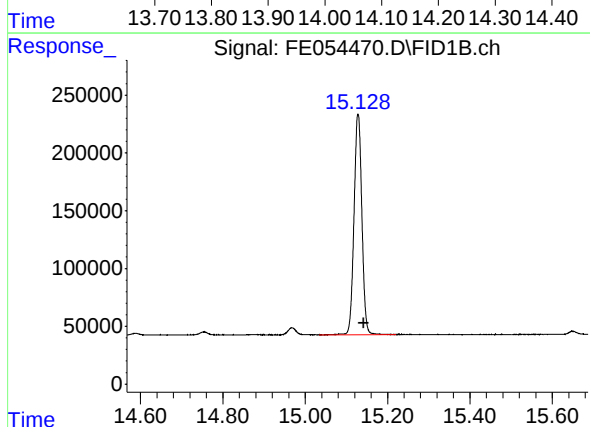
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 2557271
Conc: 19.50 ug/ml

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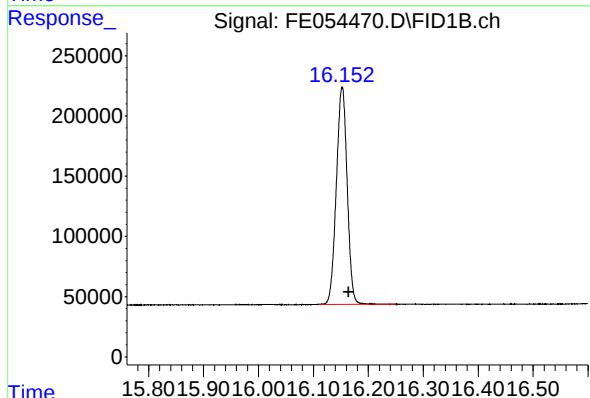
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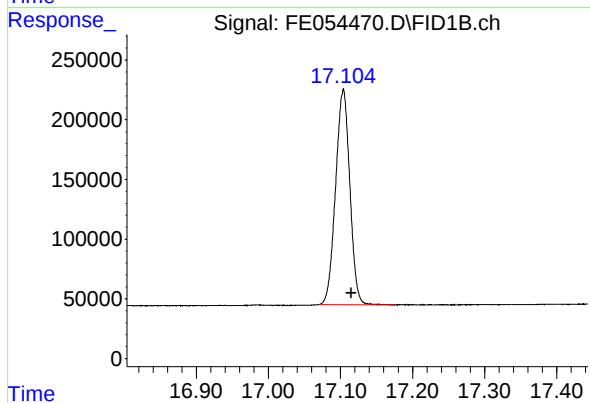
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.013 min
Response: 2529024
Conc: 19.61 ug/ml



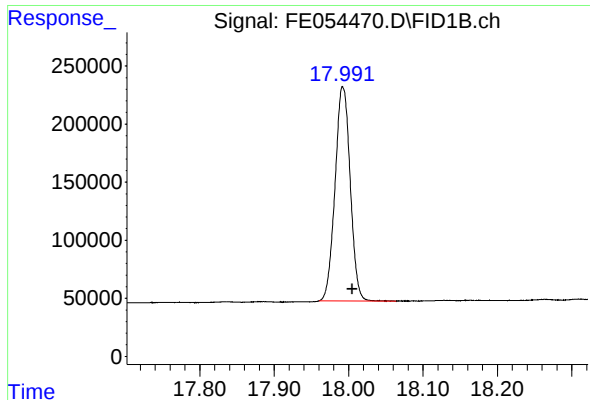
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2477435
Conc: 19.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2476840
Conc: 20.20 ug/ml



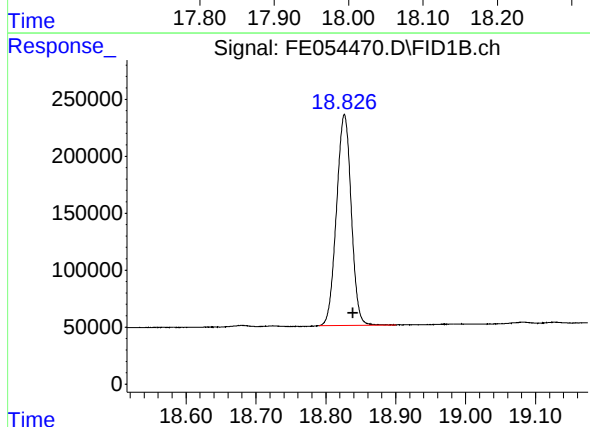
#17 n-Tricontane (C30)

R.T.: 17.992 min
Delta R.T.: -0.013 min
Response: 2613082
Conc: 21.08 ug/ml

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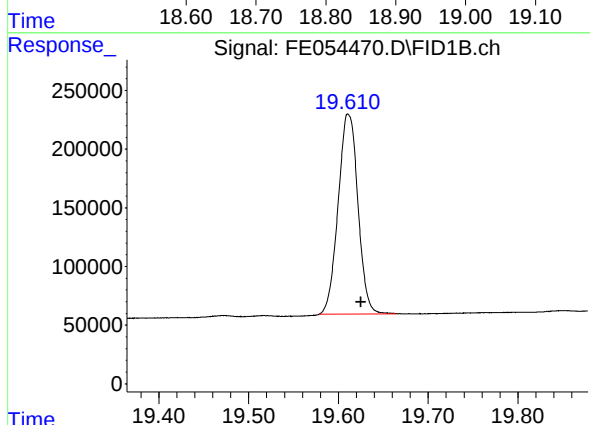
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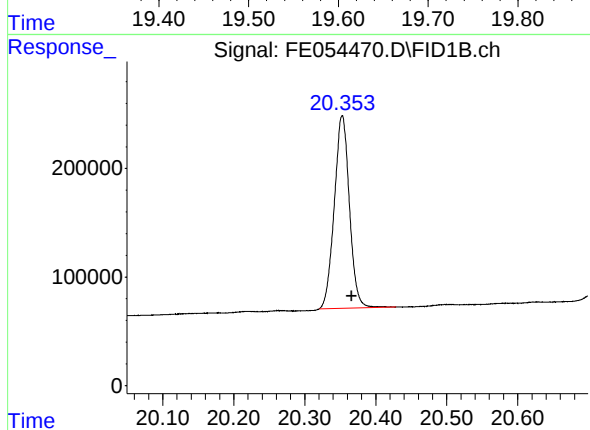
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 2712192
Conc: 21.59 ug/ml



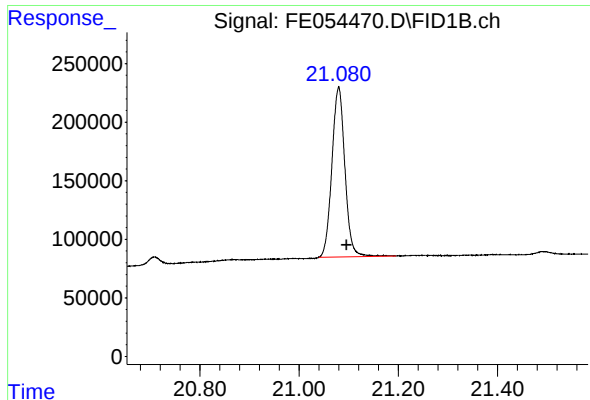
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.015 min
Response: 2613299
Conc: 21.01 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 2634395
Conc: 20.46 ug/ml



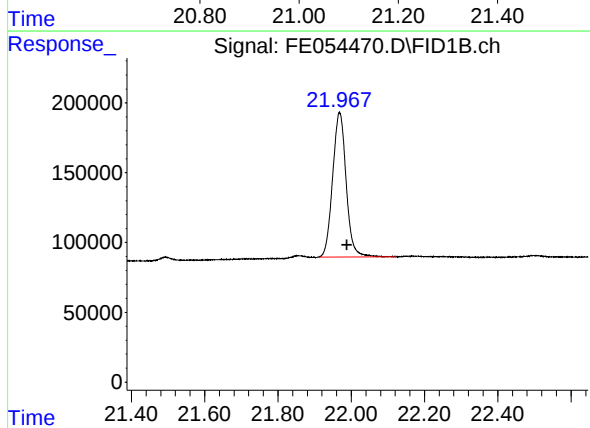
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.016 min
Response: 2631438
Conc: 19.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: -0.021 min
Response: 2657287
Conc: 19.73 ug/ml