

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061725AL\
 Data File : FE054440.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 12:27
 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 01:21:53 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)	11.823	3146032	19.040 ug/ml
Spiked Amount 50.000		Recovery =	38.08%
12) S 1-chlorooctadecane (S...	13.268	2355708	19.317 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
Target Compounds			
1) T n-Nonane (C9)	3.173	2291016	18.449 ug/ml
2) T n-Decane (C10)	4.436	2327718	18.734 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2453107	18.152 ug/ml
4) T n-Dodecane (C12)	6.617	2393275	18.795 ug/ml
5) T A~2-methylnaphthalene...	7.254	2502159	18.891 ug/ml
6) T n-Tetradecane (C14)	8.452	2416647	18.666 ug/ml
7) T n-Hexadecane (C16)	10.064	2501675	18.832 ug/ml
8) T n-Octadecane (C18)	11.510	2562260	18.975 ug/ml
10) T n-Eicosane (C20)	12.823	2547290	19.041 ug/ml
11) T n-Heneicosane (C21)	13.436	2544126	19.133 ug/ml
13) T n-Docosane (C22)	14.023	2527617	19.277 ug/ml
14) T n-Tetracosane (C24)	15.128	2513094	19.482 ug/ml
15) T n-Hexacosane (C26)	16.151	2461495	19.609 ug/ml
16) T n-Octacosane (C28)	17.102	2444290	19.932 ug/ml
17) T n-Tricontane (C30)	17.991	2545009	20.534 ug/ml
18) T n-Dotriacontane (C32)	18.825	2628158	20.917 ug/ml
19) T n-Tetratriacontane (C34)	19.609	2534899	20.376 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	2615263	20.316 ug/mlm
21) T n-Octatriacontane (C38)	21.076	2555259	19.352 ug/mlm
22) T n-Tetracontane (C40)	21.963	2565190	19.043 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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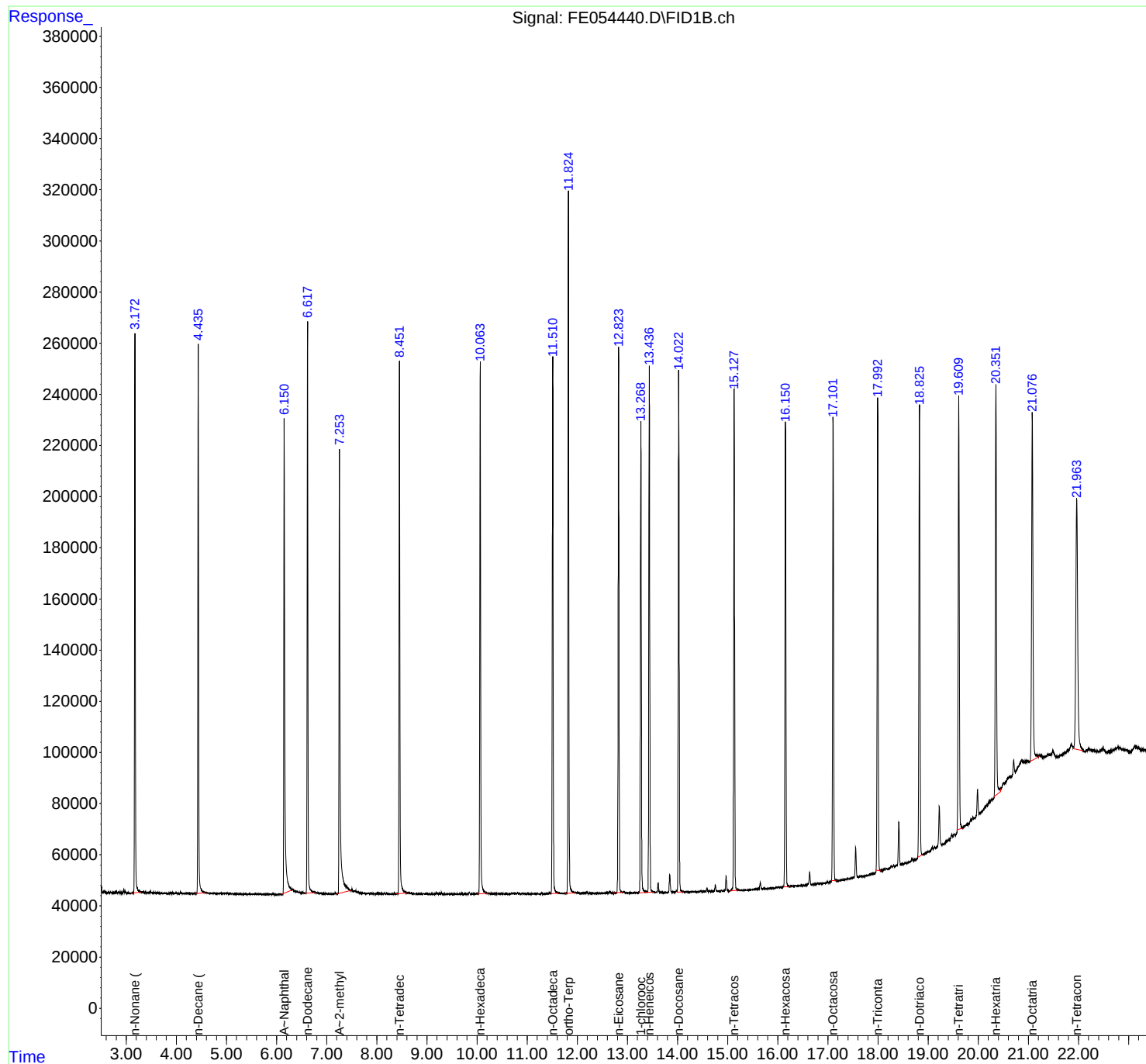
Instrument :
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20 PPM ALIPHATIC HC STD

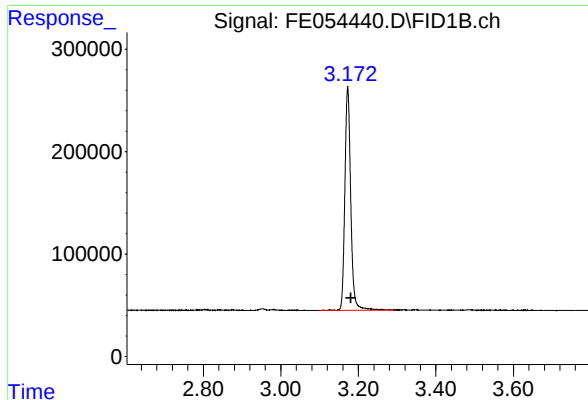
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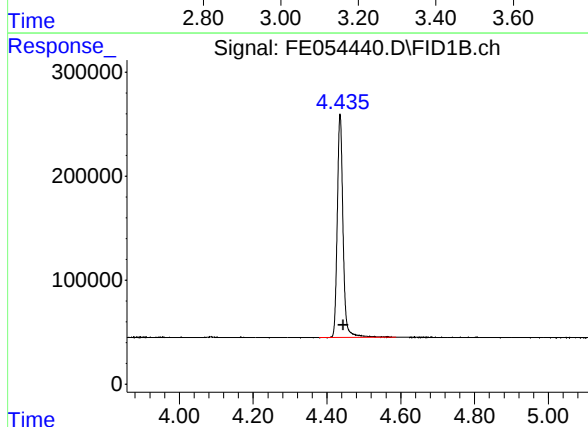
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2291016
Conc: 18.45 ug/ml

Instrument :
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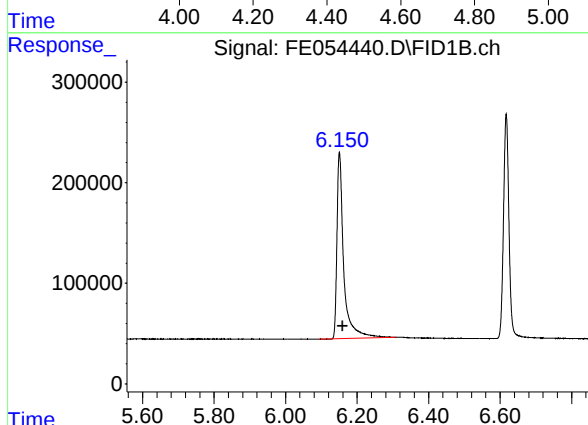
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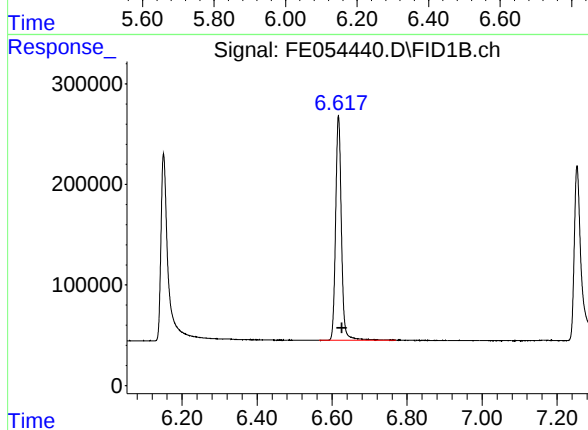
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.009 min
Response: 2327718
Conc: 18.73 ug/ml



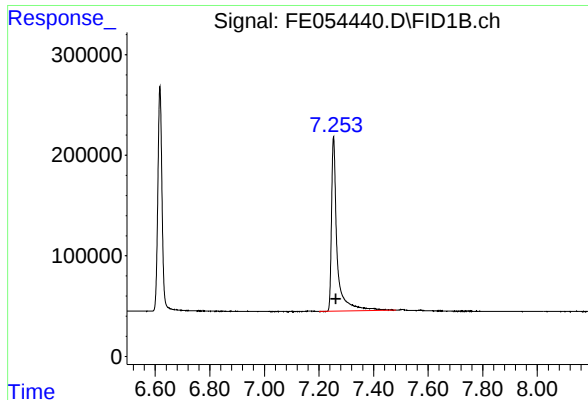
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2453107
Conc: 18.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2393275
Conc: 18.80 ug/ml



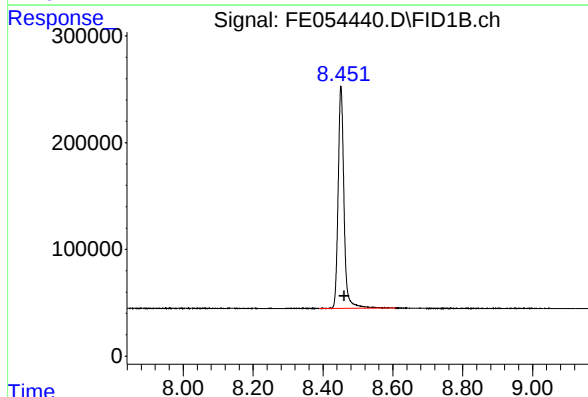
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2502159
Conc: 18.89 ug/ml

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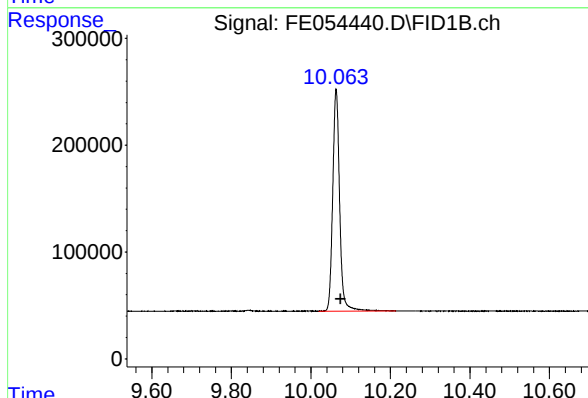
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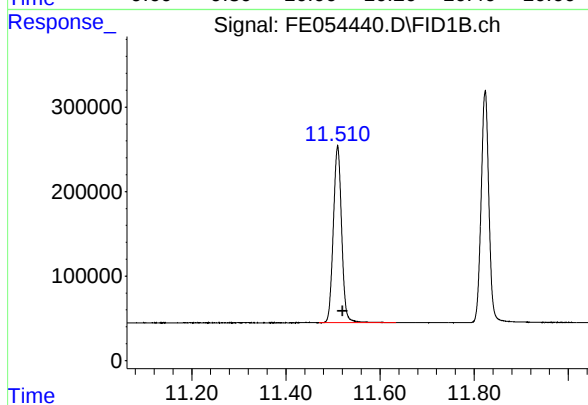
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2416647
Conc: 18.67 ug/ml



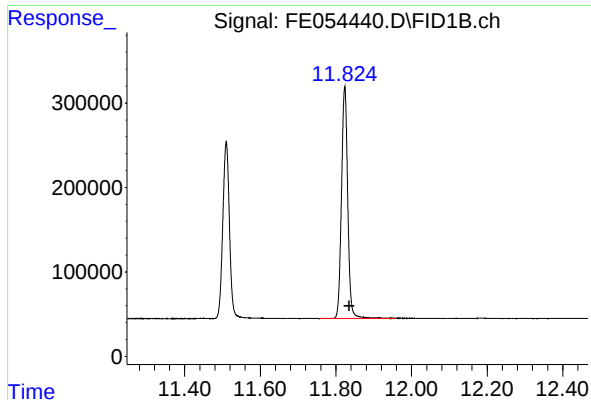
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2501675
Conc: 18.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2562260
Conc: 18.98 ug/ml



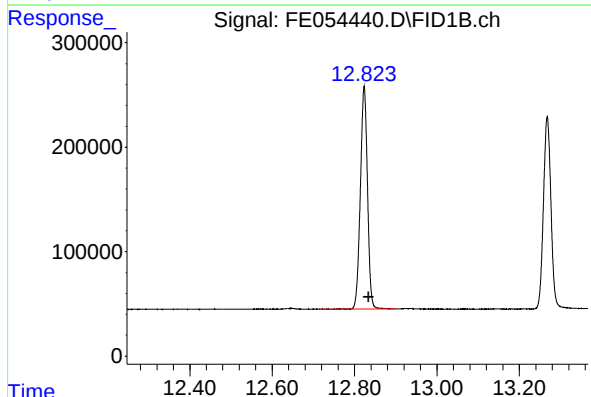
#9 ortho-Terphenyl (SURR)

R.T.: 11.823 min
Delta R.T.: -0.012 min
Response: 3146032
Conc: 19.04 ug/ml

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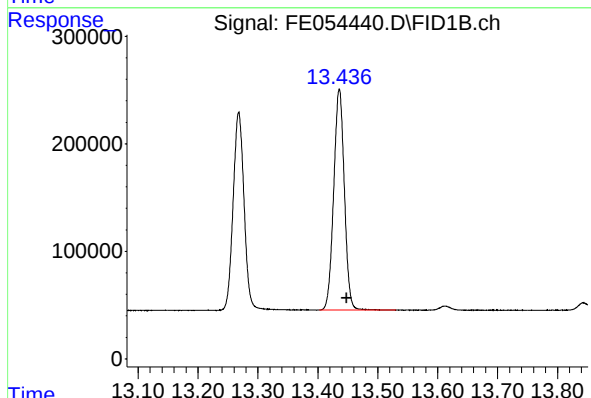
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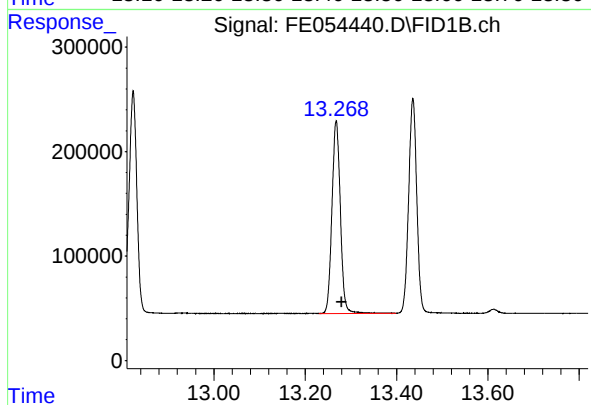
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.011 min
Response: 2547290
Conc: 19.04 ug/ml



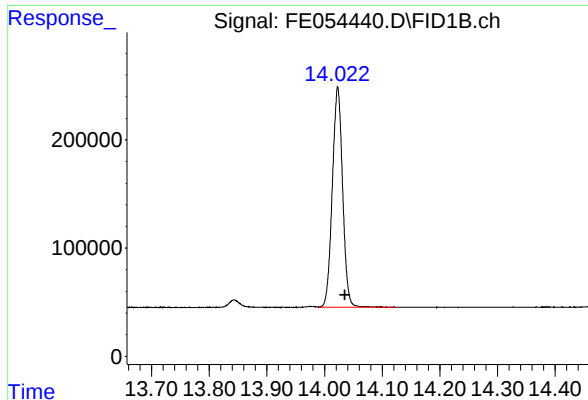
#11 n-Heneicosane (C21)

R.T.: 13.436 min
Delta R.T.: -0.012 min
Response: 2544126
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.012 min
Response: 2355708
Conc: 19.32 ug/ml



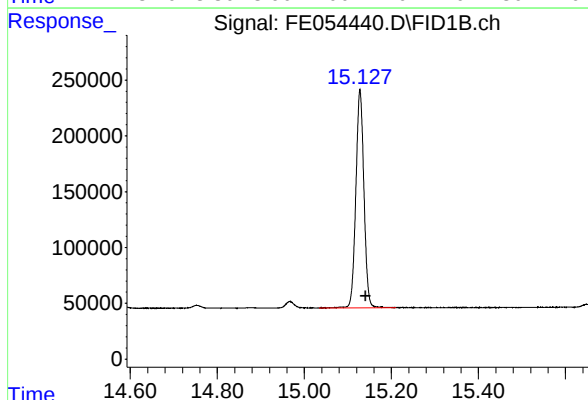
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.012 min
Response: 2527617
Conc: 19.28 ug/ml

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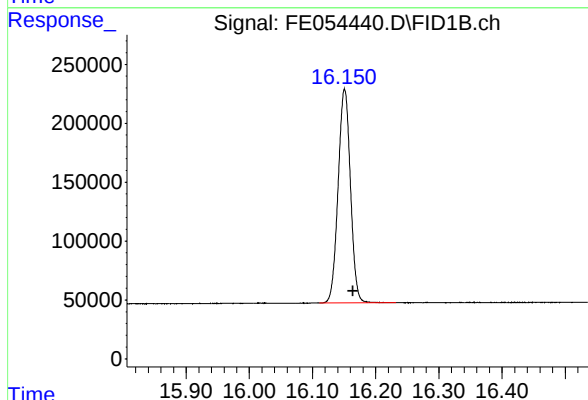
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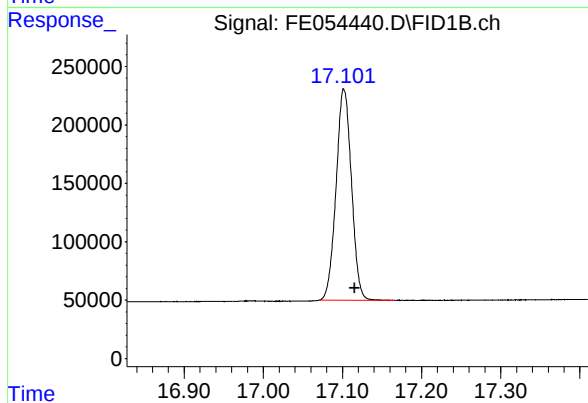
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.013 min
Response: 2513094
Conc: 19.48 ug/ml



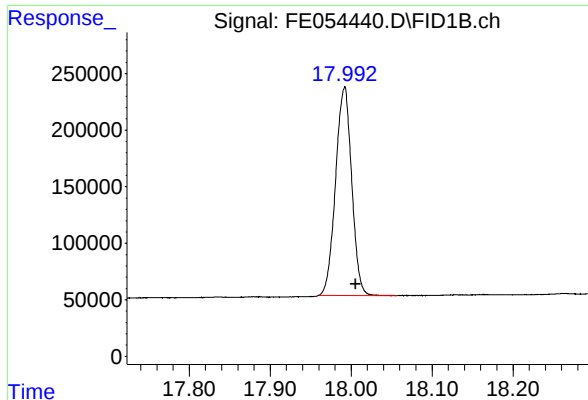
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.013 min
Response: 2461495
Conc: 19.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.102 min
Delta R.T.: -0.013 min
Response: 2444290
Conc: 19.93 ug/ml



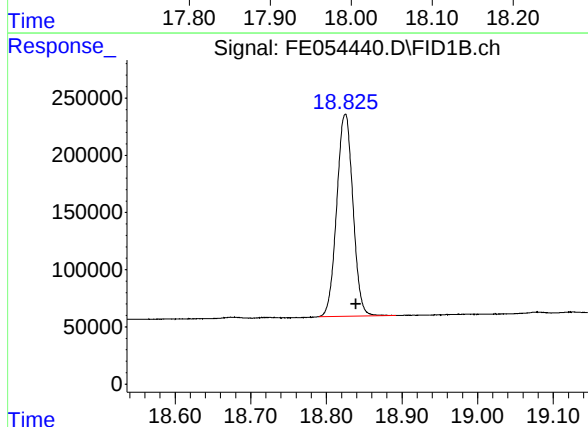
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.014 min
Response: 2545009
Conc: 20.53 ug/ml

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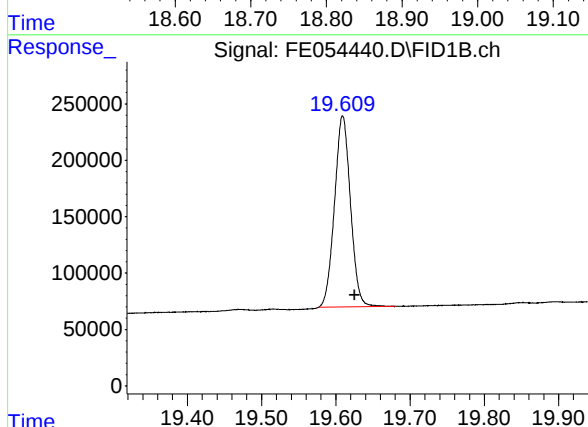
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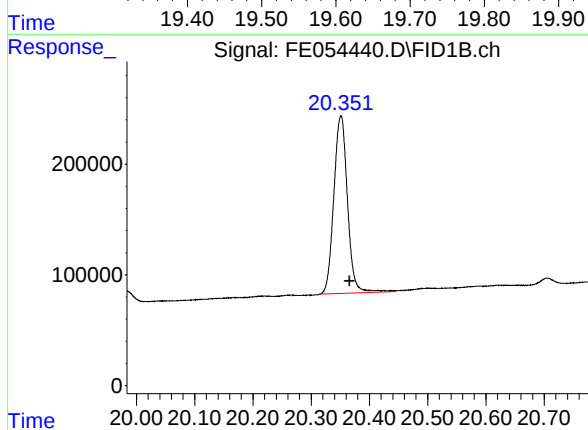
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.014 min
Response: 2628158
Conc: 20.92 ug/ml



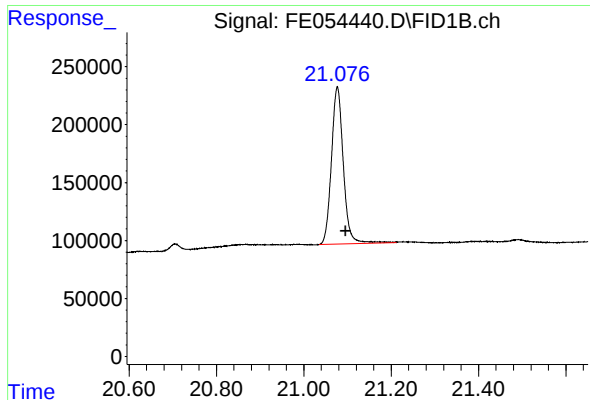
#19 n-Tetatriacontane (C34)

R.T.: 19.609 min
Delta R.T.: -0.016 min
Response: 2534899
Conc: 20.38 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.015 min
Response: 2615263
Conc: 20.32 ug/ml m



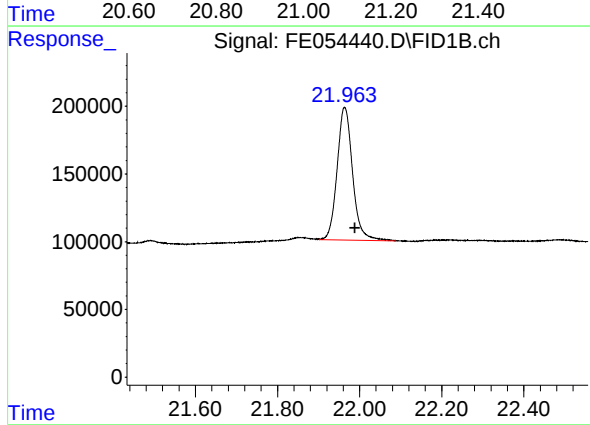
#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.019 min
Response: 2555259
Conc: 19.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.025 min
Response: 2565190
Conc: 19.04 ug/ml m