

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
 Data File : FE054689.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jul 2025 15:16
 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 07/07/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 04 03:01:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.074	3039307	18.716 ug/ml
Spiked Amount 50.000		Recovery =	37.43%
12) S 1-chlorooctadecane (S...	13.510	2312340	18.309 ug/ml
Spiked Amount 50.000		Recovery =	36.62%
Target Compounds			
1) T n-Nonane (C9)	3.420	2635548	19.594 ug/ml
2) T n-Decane (C10)	4.675	2691546	19.726 ug/ml
3) T A~Naphthalene (C11.7)	6.389	2978968	19.674 ug/ml
4) T n-Dodecane (C12)	6.849	2727214	19.877 ug/ml
5) T A~2-methylnaphthalene...	7.490	2889996	19.659 ug/ml
6) T n-Tetradecane (C14)	8.685	2734751	19.728 ug/ml
7) T n-Hexadecane (C16)	10.299	2798267	19.636 ug/ml
8) T n-Octadecane (C18)	11.749	2809038	19.167 ug/ml
10) T n-Eicosane (C20)	13.063	2679880	18.637 ug/ml
11) T n-Heneicosane (C21)	13.677	2623341	18.367 ug/ml
13) T n-Docosane (C22)	14.265	2591902	18.152 ug/ml
14) T n-Tetracosane (C24)	15.371	2567177	17.660 ug/ml
15) T n-Hexacosane (C26)	16.394	2506842	17.323 ug/ml
16) T n-Octacosane (C28)	17.346	2492469	17.102 ug/ml
17) T n-Tricontane (C30)	18.235	2681151	17.014 ug/ml
18) T n-Dotriacontane (C32)	19.069	2812021	17.381 ug/ml
19) T n-Tetratriacontane (C34)	19.852	2722013	17.862 ug/ml
20) T n-Hexatriacontane (C36)	20.594	2416370	17.972 ug/ml
21) T n-Octatriacontane (C38)	21.372	2198372	18.744 ug/ml
22) T n-Tetracontane (C40)	22.359	2074793	19.143 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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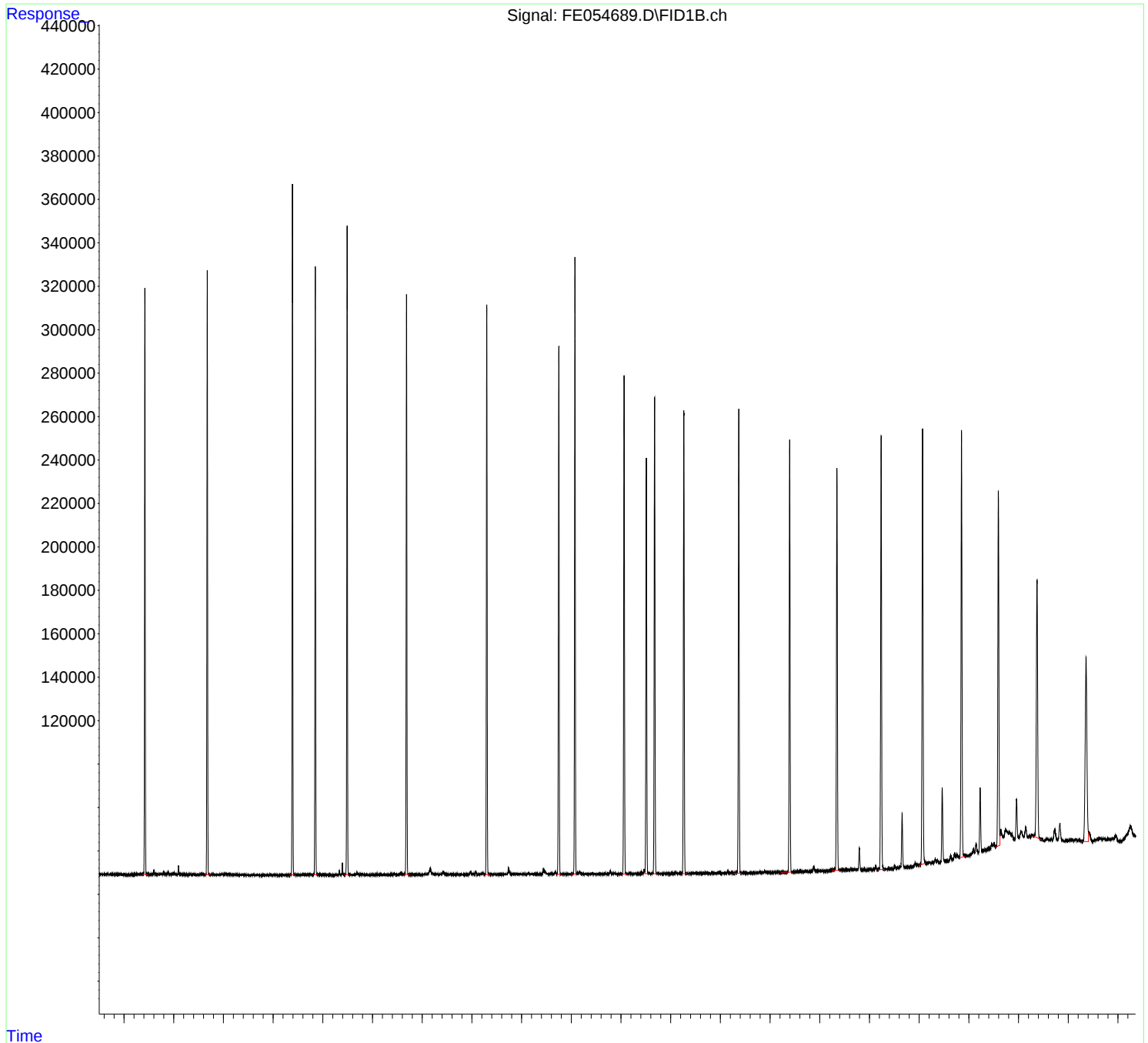
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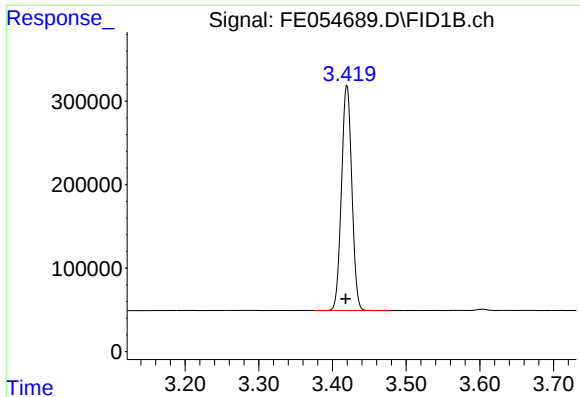
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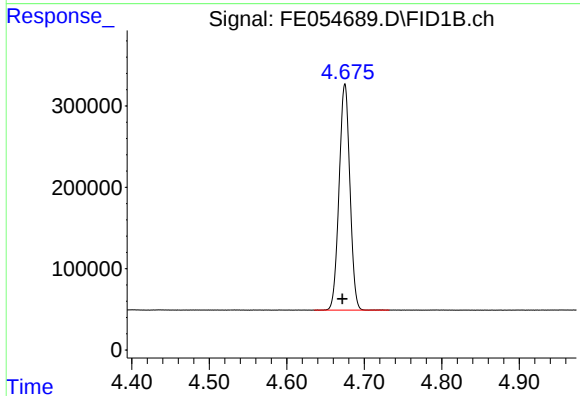
#1 n-Nonane (C9)

R.T.: 3.420 min
Delta R.T.: 0.002 min
Response: 2635548
Conc: 19.59 ug/ml

Instrument :
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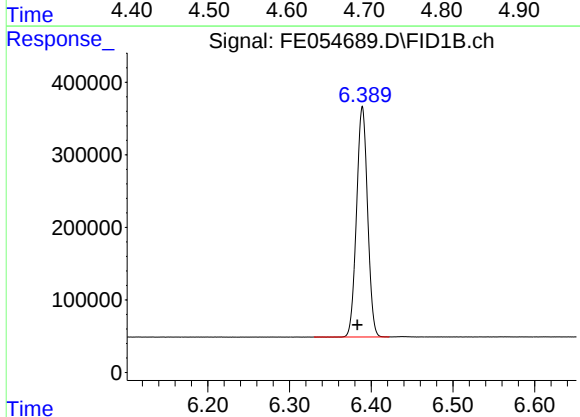
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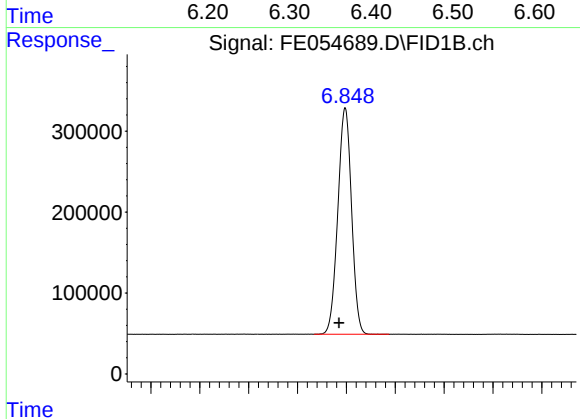
#2 n-Decane (C10)

R.T.: 4.675 min
Delta R.T.: 0.003 min
Response: 2691546
Conc: 19.73 ug/ml



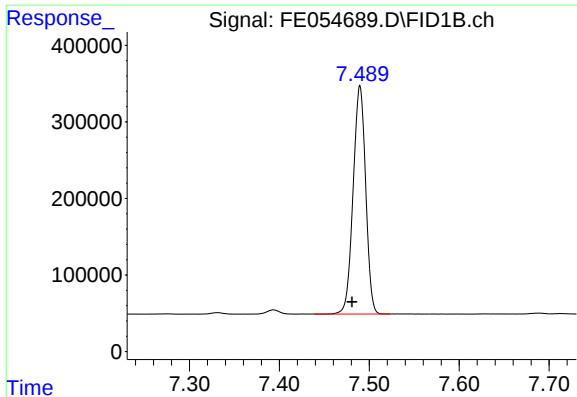
#3 A~Naphthalene (C11.7)

R.T.: 6.389 min
Delta R.T.: 0.006 min
Response: 2978968
Conc: 19.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.849 min
Delta R.T.: 0.006 min
Response: 2727214
Conc: 19.88 ug/ml



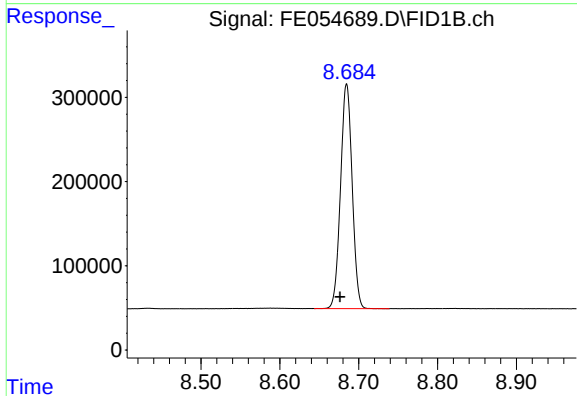
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.490 min
Delta R.T.: 0.009 min
Response: 2889996
Conc: 19.66 ug/ml

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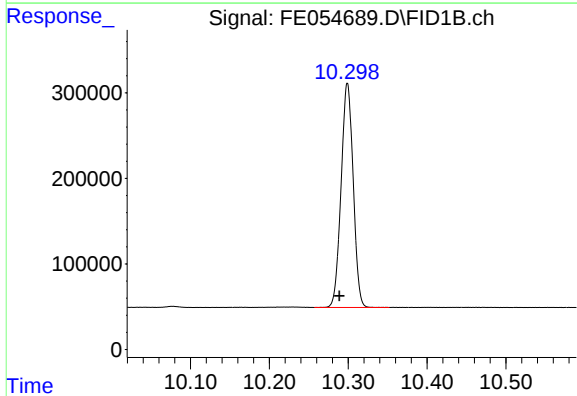
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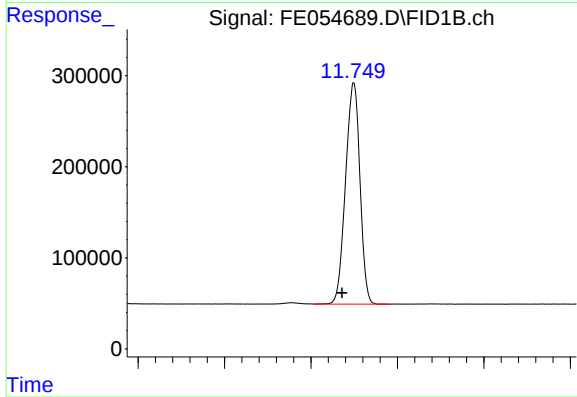
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.008 min
Response: 2734751
Conc: 19.73 ug/ml



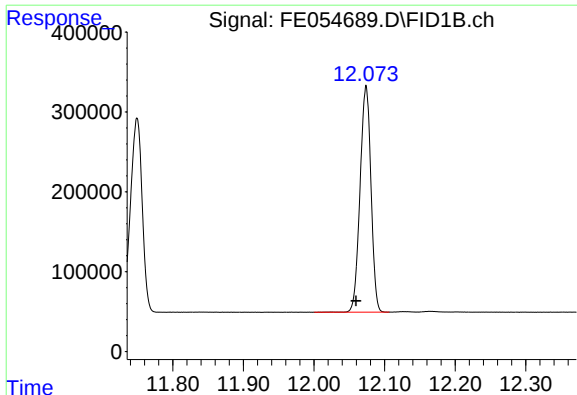
#7 n-Hexadecane (C16)

R.T.: 10.299 min
Delta R.T.: 0.010 min
Response: 2798267
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.749 min
Delta R.T.: 0.013 min
Response: 2809038
Conc: 19.17 ug/ml



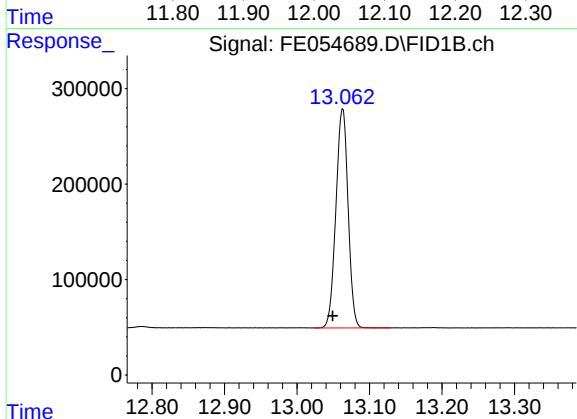
#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: 0.014 min
Response: 3039307
Conc: 18.72 ug/ml

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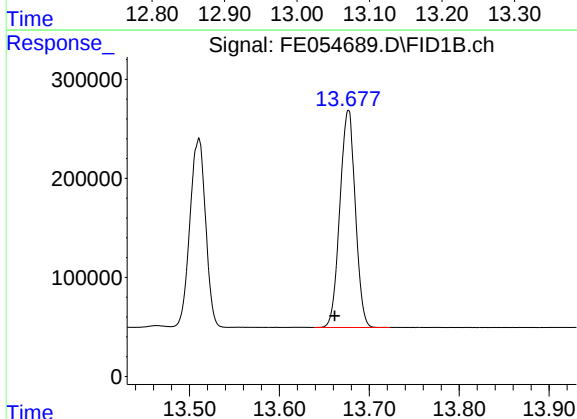
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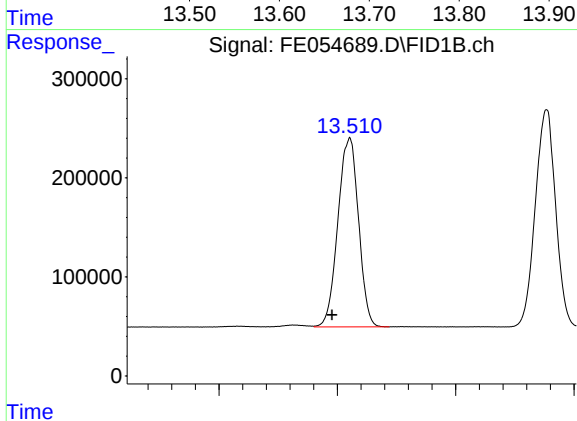
#10 n-Eicosane (C20)

R.T.: 13.063 min
Delta R.T.: 0.014 min
Response: 2679880
Conc: 18.64 ug/ml



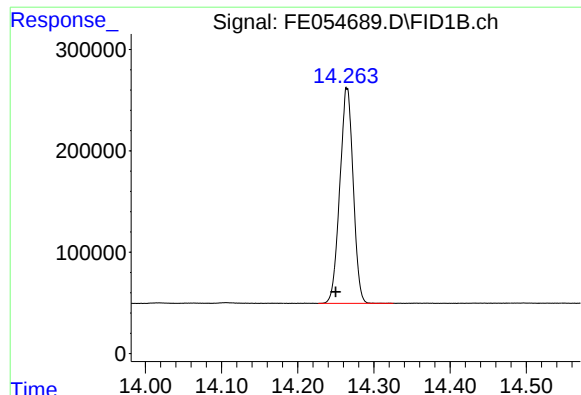
#11 n-Heneicosane (C21)

R.T.: 13.677 min
Delta R.T.: 0.015 min
Response: 2623341
Conc: 18.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: 0.014 min
Response: 2312340
Conc: 18.31 ug/ml



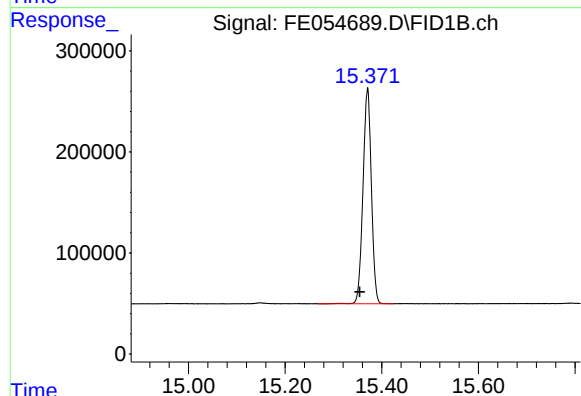
#13 n-Docosane (C22)

R.T.: 14.265 min
Delta R.T.: 0.015 min
Response: 2591902
Conc: 18.15 ug/ml

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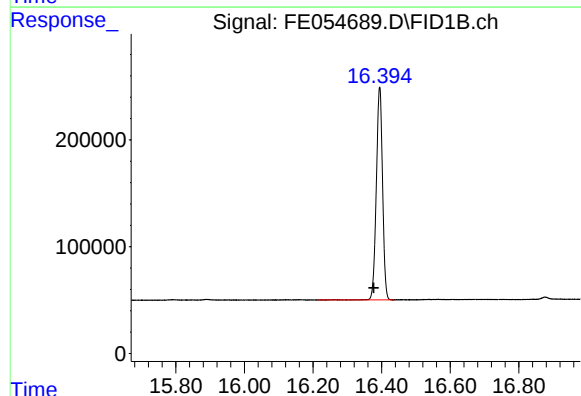
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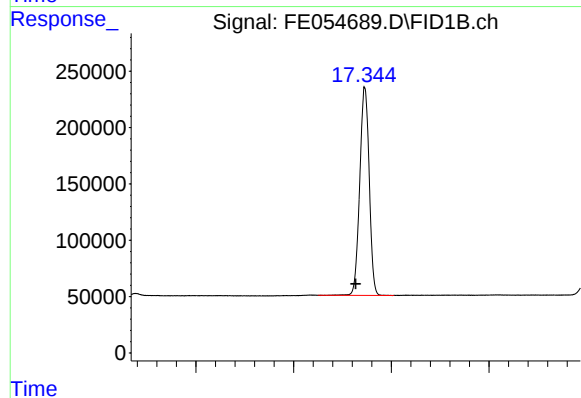
#14 n-Tetracosane (C24)

R.T.: 15.371 min
Delta R.T.: 0.016 min
Response: 2567177
Conc: 17.66 ug/ml



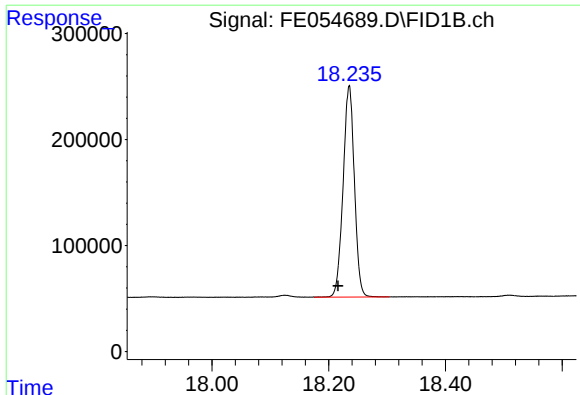
#15 n-Hexacosane (C26)

R.T.: 16.394 min
Delta R.T.: 0.018 min
Response: 2506842
Conc: 17.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.346 min
Delta R.T.: 0.018 min
Response: 2492469
Conc: 17.10 ug/ml



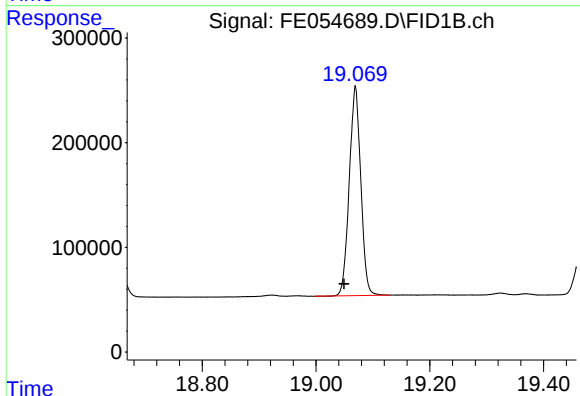
#17 n-Tricontane (C30)

R.T.: 18.235 min
Delta R.T.: 0.019 min
Response: 2681151
Conc: 17.01 ug/ml

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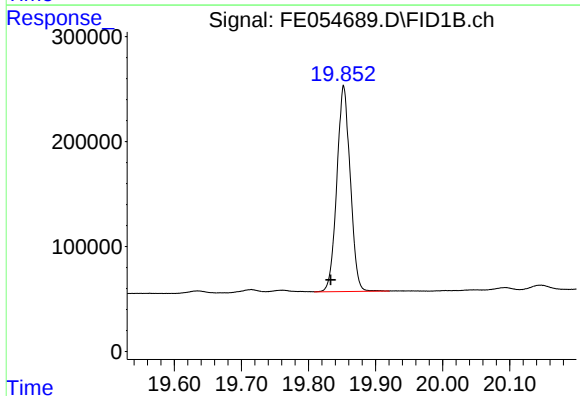
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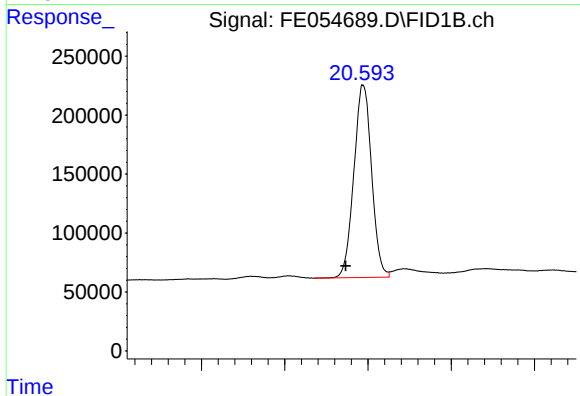
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.020 min
Response: 2812021
Conc: 17.38 ug/ml



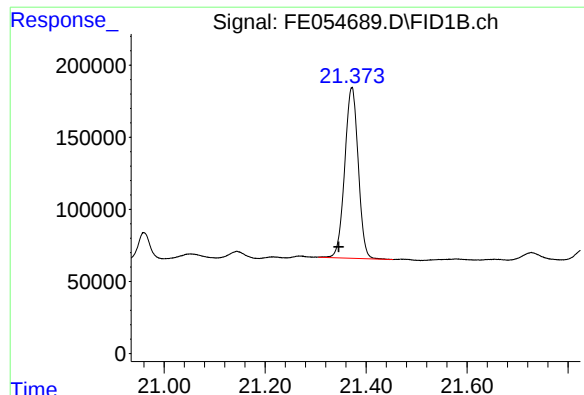
#19 n-Tetratriacontane (C34)

R.T.: 19.852 min
Delta R.T.: 0.019 min
Response: 2722013
Conc: 17.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.594 min
Delta R.T.: 0.021 min
Response: 2416370
Conc: 17.97 ug/ml



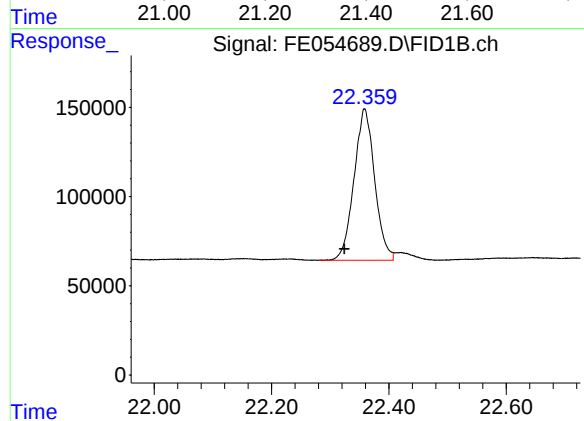
#21 n-Octatriacontane (C38)

R.T.: 21.372 min
Delta R.T.: 0.026 min
Response: 2198372
Conc: 18.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.359 min
Delta R.T.: 0.035 min
Response: 2074793
Conc: 19.14 ug/ml m