

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055446.D
 Signal(s) : FID1B.ch
 Acq On : 22 Aug 2025 01:50
 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 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 02:12:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:47:09 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)	12.084	2991302	20.947 ug/ml
Spiked Amount 50.000		Recovery =	41.89%
12) S 1-chlorooctadecane (S...	13.520	2293060	21.326 ug/ml
Spiked Amount 50.000		Recovery =	42.65%
Target Compounds			
1) T n-Nonane (C9)	3.417	2349821	20.474 ug/ml
2) T n-Decane (C10)	4.676	2397595	20.581 ug/ml
3) T A~Naphthalene (C11.7)	6.397	2763226	20.586 ug/ml
4) T n-Dodecane (C12)	6.853	2465686	20.706 ug/ml
5) T A~2-methylnaphthalene...	7.499	2694503	20.666 ug/ml
6) T n-Tetradecane (C14)	8.691	2510691	20.477 ug/ml
7) T n-Hexadecane (C16)	10.306	2649120	20.721 ug/ml
8) T n-Octadecane (C18)	11.757	2746220	21.048 ug/ml
10) T n-Eicosane (C20)	13.071	2653958	21.152 ug/ml
11) T n-Heneicosane (C21)	13.686	2601426	21.104 ug/ml
13) T n-Docosane (C22)	14.275	2578548	21.115 ug/ml
14) T n-Tetracosane (C24)	15.381	2570750	21.135 ug/ml
15) T n-Hexacosane (C26)	16.406	2513454	21.008 ug/ml
16) T n-Octacosane (C28)	17.359	2501084	21.084 ug/ml
17) T n-Tricontane (C30)	18.248	2610728	21.217 ug/ml
18) T n-Dotriacontane (C32)	19.084	2667020	21.859 ug/ml
19) T n-Tetratriacontane (C34)	19.868	2564640	21.935 ug/ml
20) T n-Hexatriacontane (C36)	20.610	2485055	22.736 ug/ml
21) T n-Octatriacontane (C38)	21.392	2468116	22.838 ug/mlm
22) T n-Tetracontane (C40)	22.383	2280633	21.809 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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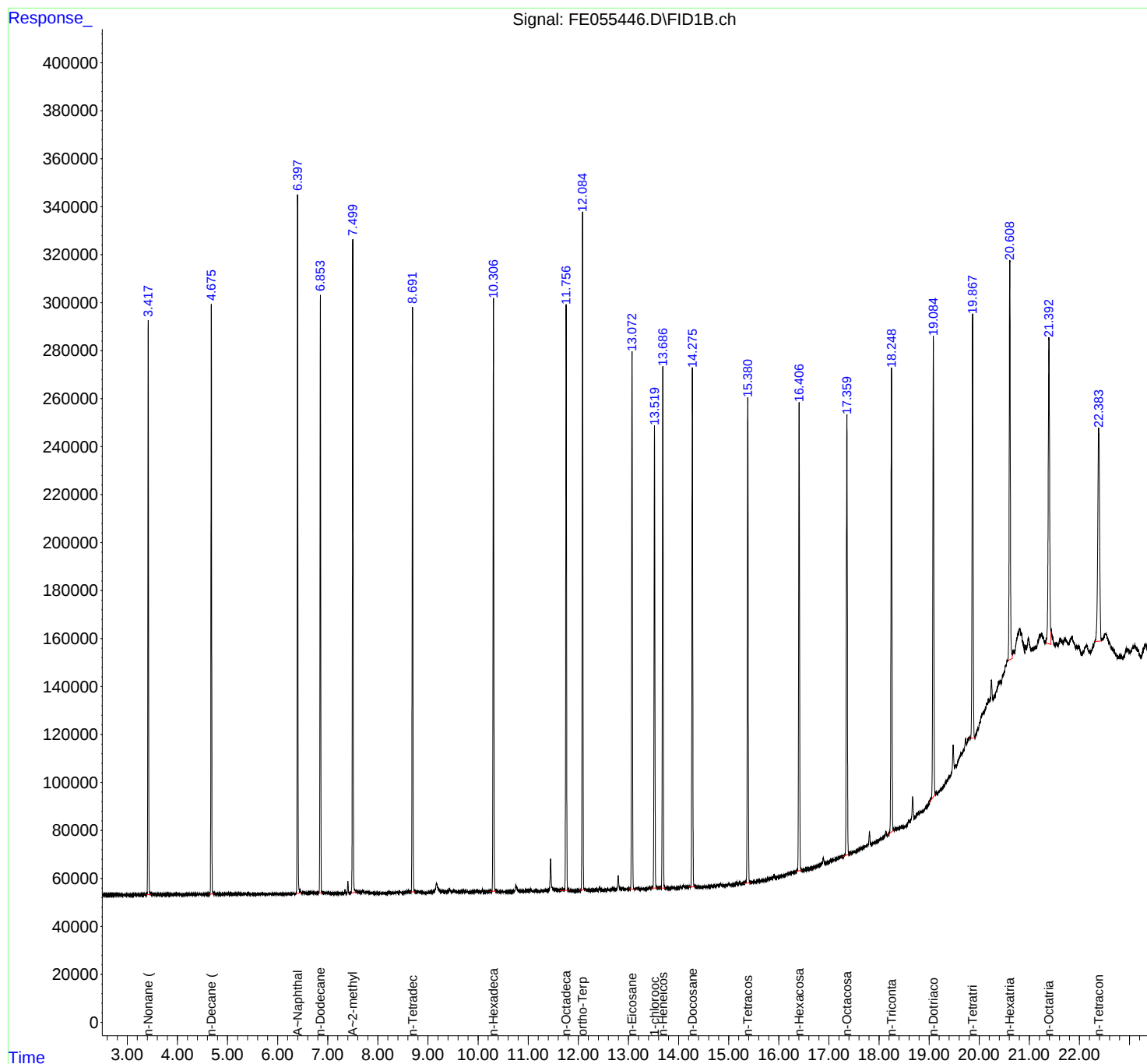
Instrument :
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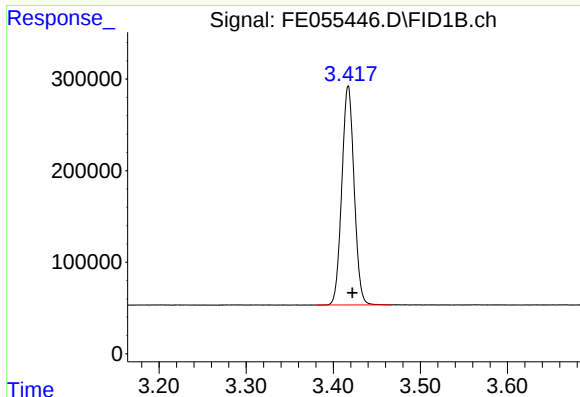
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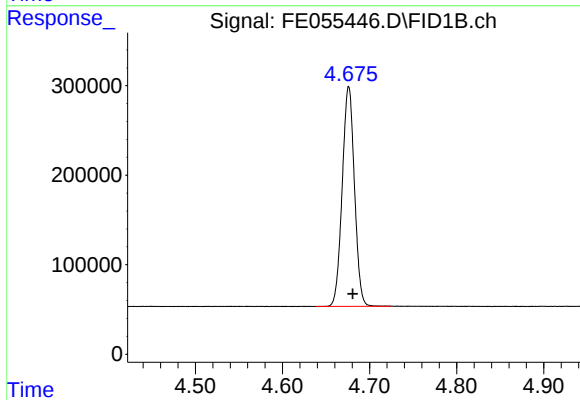
#1 n-Nonane (C9)

R.T.: 3.417 min
Delta R.T.: -0.005 min
Response: 2349821
Conc: 20.47 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

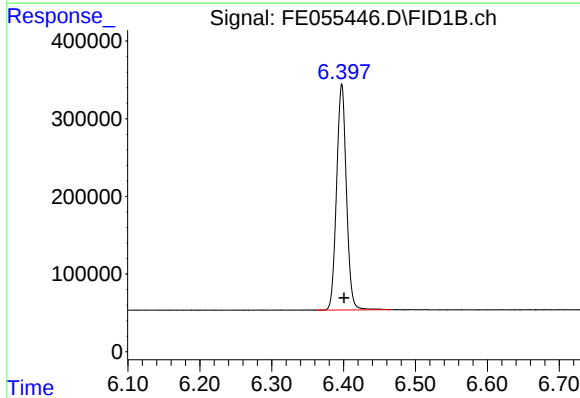
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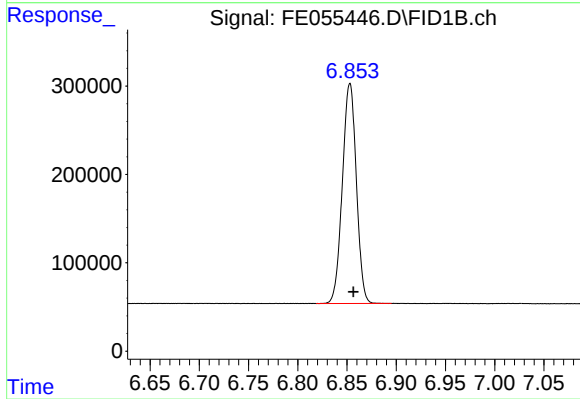
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: -0.005 min
Response: 2397595
Conc: 20.58 ug/ml



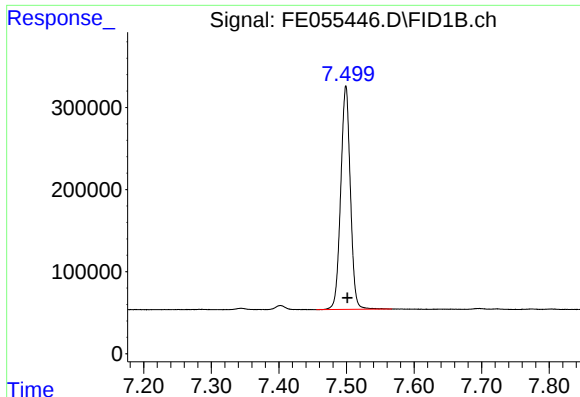
#3 A~Naphthalene (C11.7)

R.T.: 6.397 min
Delta R.T.: -0.003 min
Response: 2763226
Conc: 20.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: -0.003 min
Response: 2465686
Conc: 20.71 ug/ml



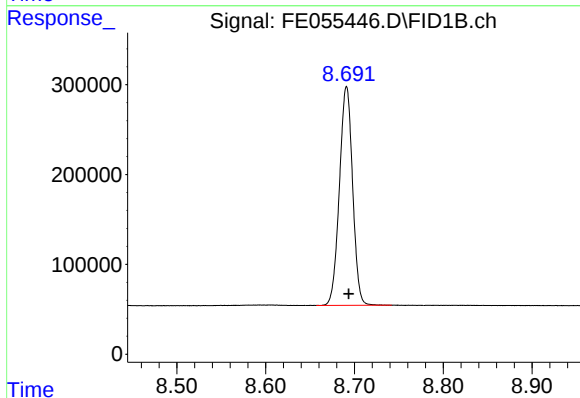
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.499 min
Delta R.T.: -0.002 min
Response: 2694503
Conc: 20.67 ug/ml

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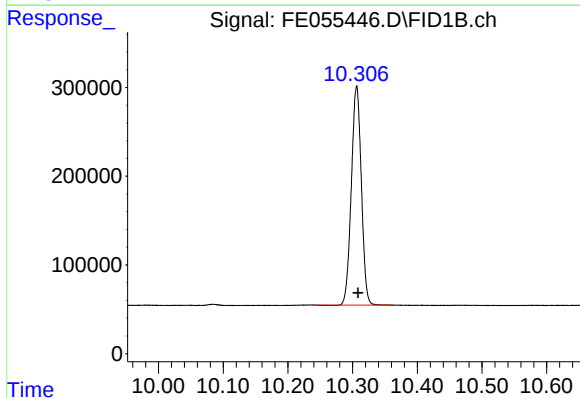
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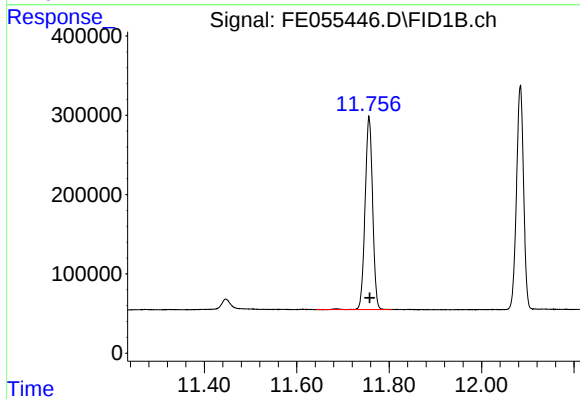
#6 n-Tetradecane (C14)

R.T.: 8.691 min
Delta R.T.: -0.003 min
Response: 2510691
Conc: 20.48 ug/ml



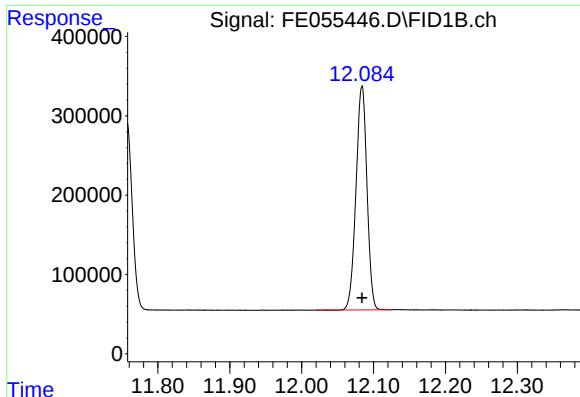
#7 n-Hexadecane (C16)

R.T.: 10.306 min
Delta R.T.: -0.002 min
Response: 2649120
Conc: 20.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.757 min
Delta R.T.: -0.001 min
Response: 2746220
Conc: 21.05 ug/ml



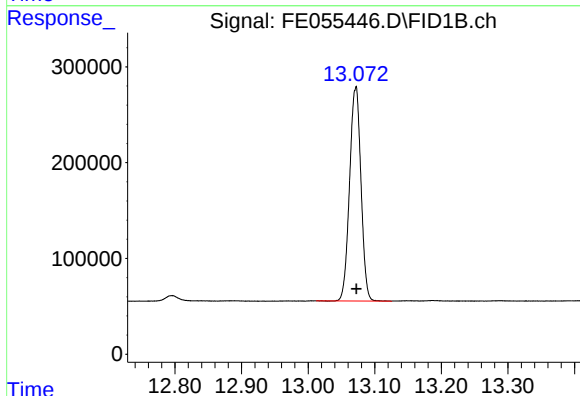
#9 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 2991302
Conc: 20.95 ug/ml

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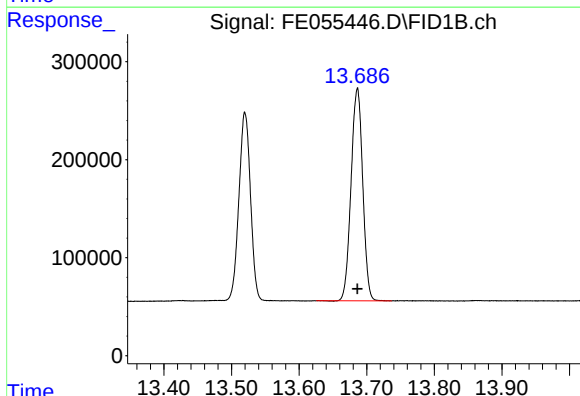
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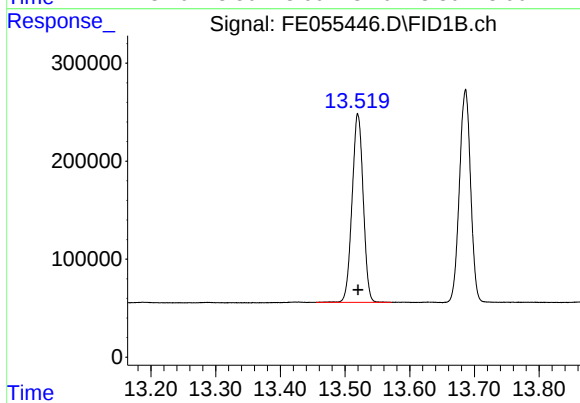
#10 n-Eicosane (C20)

R.T.: 13.071 min
Delta R.T.: -0.001 min
Response: 2653958
Conc: 21.15 ug/ml



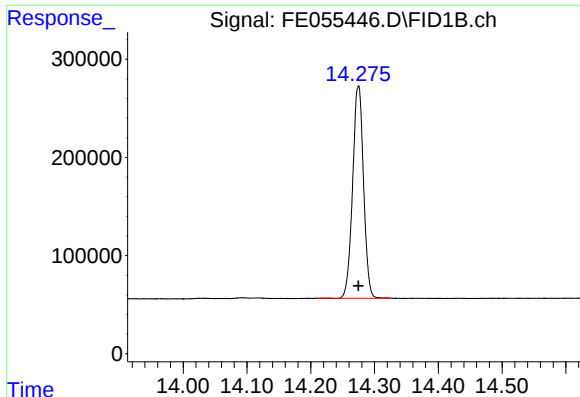
#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.000 min
Response: 2601426
Conc: 21.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 2293060
Conc: 21.33 ug/ml



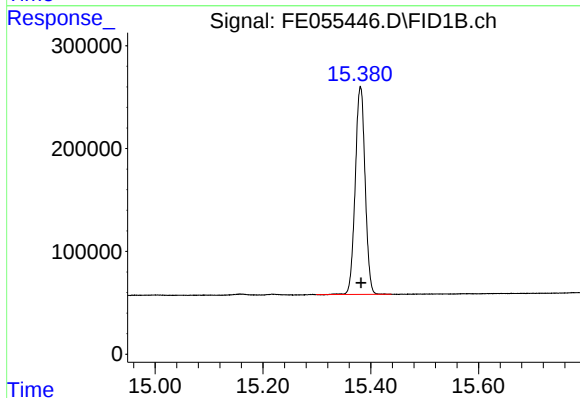
#13 n-Docosane (C22)

R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 2578548
Conc: 21.11 ug/ml

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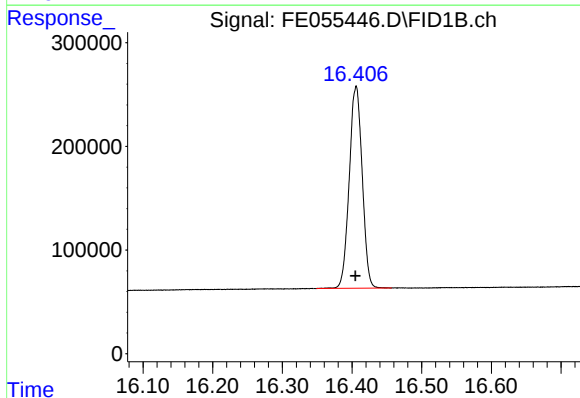
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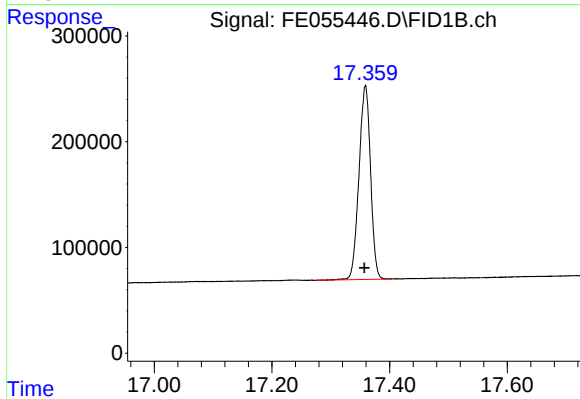
#14 n-Tetracosane (C24)

R.T.: 15.381 min
Delta R.T.: 0.000 min
Response: 2570750
Conc: 21.14 ug/ml



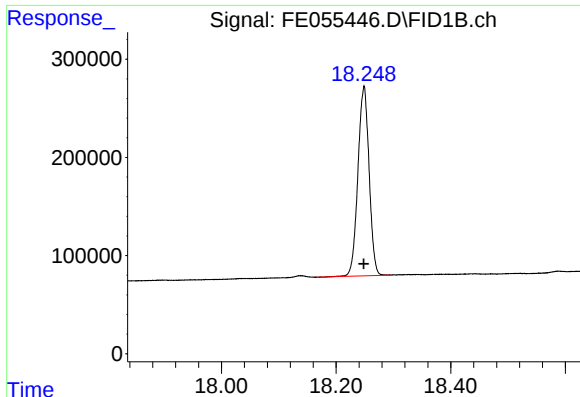
#15 n-Hexacosane (C26)

R.T.: 16.406 min
Delta R.T.: 0.000 min
Response: 2513454
Conc: 21.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2501084
Conc: 21.08 ug/ml



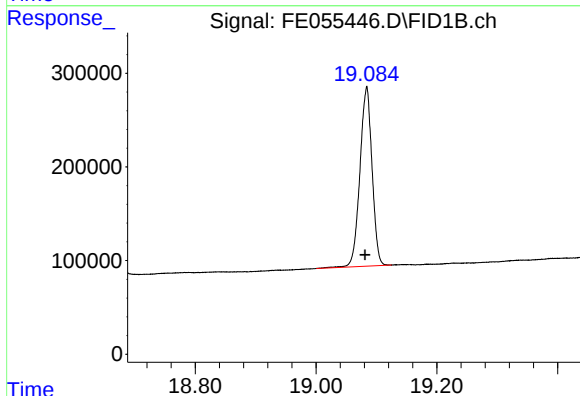
#17 n-Tricontane (C30)

R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2610728
Conc: 21.22 ug/ml

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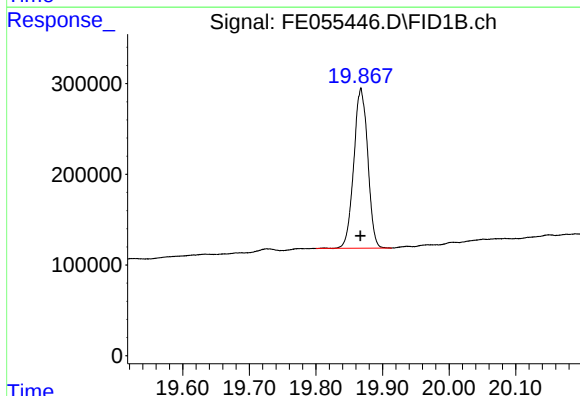
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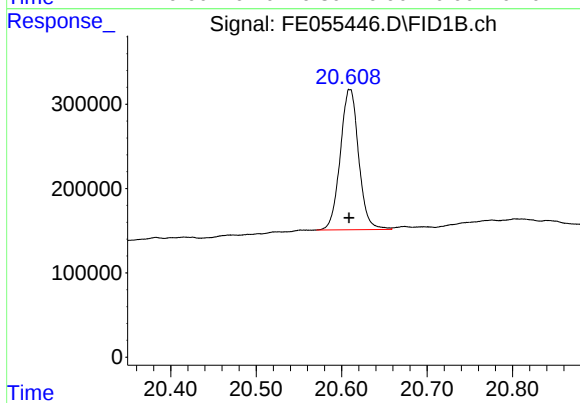
#18 n-Dotriacontane (C32)

R.T.: 19.084 min
Delta R.T.: 0.002 min
Response: 2667020
Conc: 21.86 ug/ml



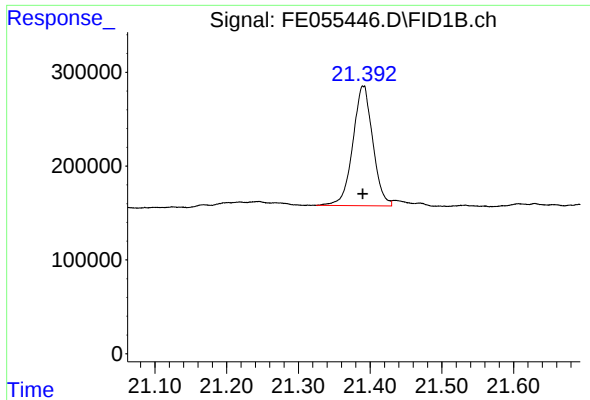
#19 n-Tetratriacontane (C34)

R.T.: 19.868 min
Delta R.T.: 0.000 min
Response: 2564640
Conc: 21.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.610 min
Delta R.T.: 0.001 min
Response: 2485055
Conc: 22.74 ug/ml



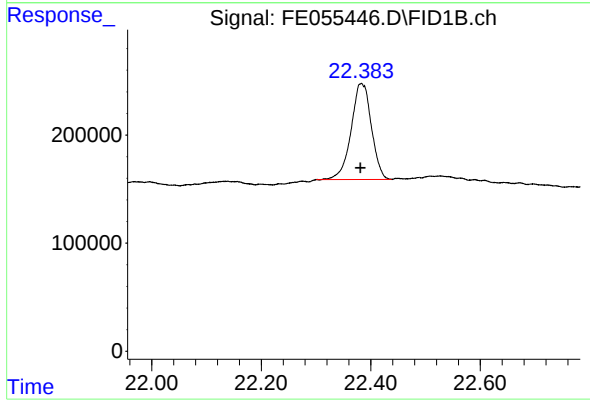
#21 n-Octatriacontane (C38)

R.T.: 21.392 min
Delta R.T.: 0.003 min
Response: 2468116
Conc: 22.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.383 min
Delta R.T.: 0.002 min
Response: 2280633
Conc: 21.81 ug/ml