

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062625AL\
 Data File : FC069289.D
 Signal(s) : FID1A.ch
 Acq On : 26 Jun 2025 12:27
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: sample.E
 Quant Time: Jun 27 01:16:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.674	3290419	19.046 ug/ml
Spiked Amount 50.000		Recovery =	38.09%
12) S 1-chlorooctadecane (S...	13.110	2504304	19.169 ug/ml
Spiked Amount 50.000		Recovery =	38.34%
Target Compounds			
1) T n-Nonane (C9)	3.405	2896894	20.369 ug/ml
2) T n-Decane (C10)	4.478	2978762	20.347 ug/ml
3) T A~Naphthalene (C11.7)	6.073	3279660	20.384 ug/ml
4) T n-Dodecane (C12)	6.504	3068296	20.263 ug/ml
5) T A~2-methylnaphthalene...	7.132	3192509	20.174 ug/ml
6) T n-Tetradecane (C14)	8.304	3122853	20.147 ug/ml
7) T n-Hexadecane (C16)	9.908	3225740	19.739 ug/ml
8) T n-Octadecane (C18)	11.353	3183804	19.500 ug/ml
10) T n-Eicosane (C20)	12.664	2961202	19.400 ug/ml
11) T n-Heneicosane (C21)	13.277	2862995	19.424 ug/ml
13) T n-Docosane (C22)	13.864	2793753	19.417 ug/ml
14) T n-Tetracosane (C24)	14.970	2678376	19.418 ug/ml
15) T n-Hexacosane (C26)	15.991	2537027	19.408 ug/ml
16) T n-Octacosane (C28)	16.943	2389199	19.373 ug/ml
17) T n-Tricontane (C30)	17.831	2304398	19.384 ug/mlm
18) T n-Dotriacontane (C32)	18.666	2136647	19.542 ug/ml
19) T n-Tetratriacontane (C34)	19.450	1919952	19.882 ug/mlm
20) T n-Hexatriacontane (C36)	20.193	1651604	20.041 ug/mlm
21) T n-Octatriacontane (C38)	20.959	1519374	20.331 ug/ml
22) T n-Tetracontane (C40)	21.926	1472851	20.798 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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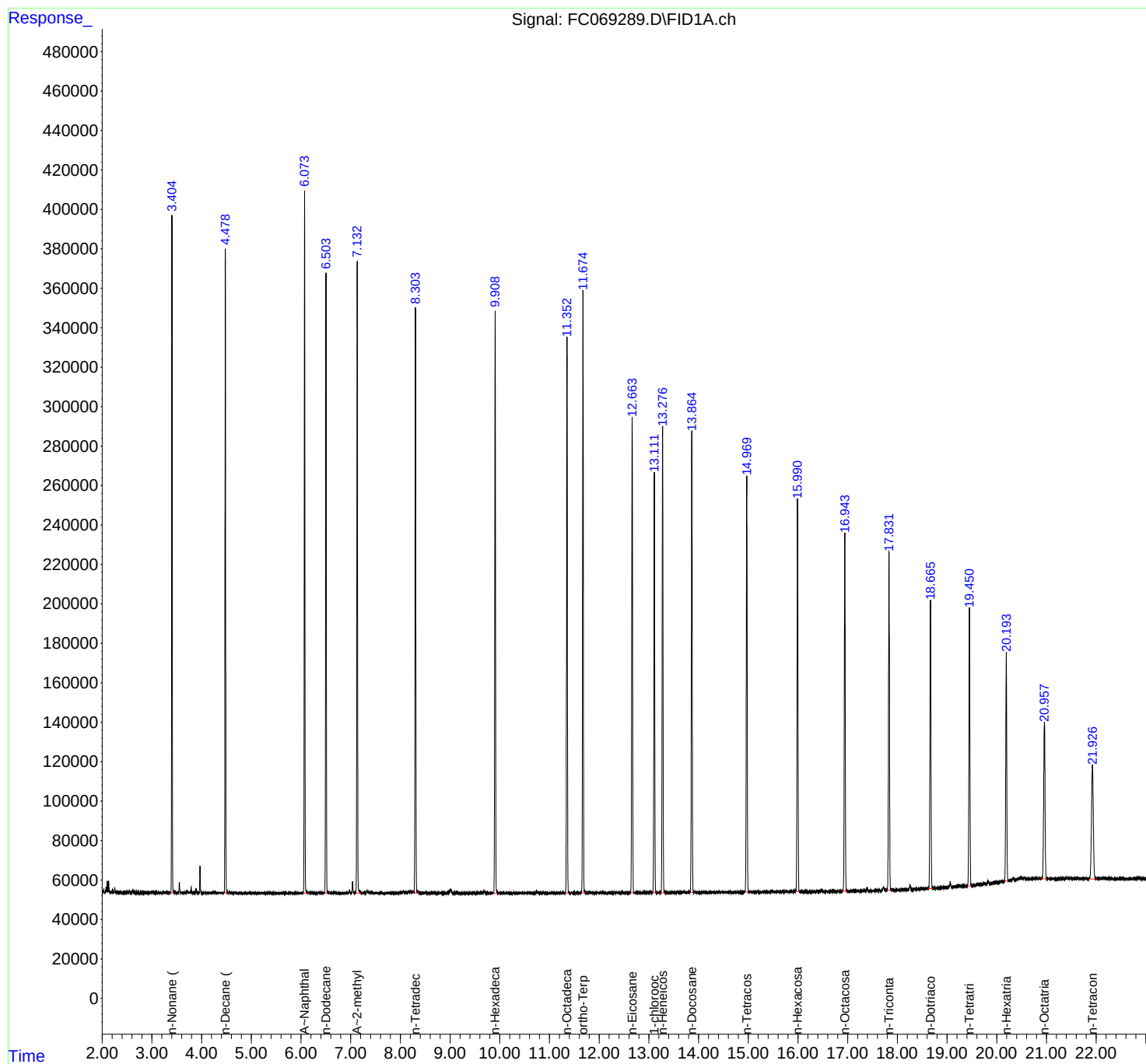
Instrument :
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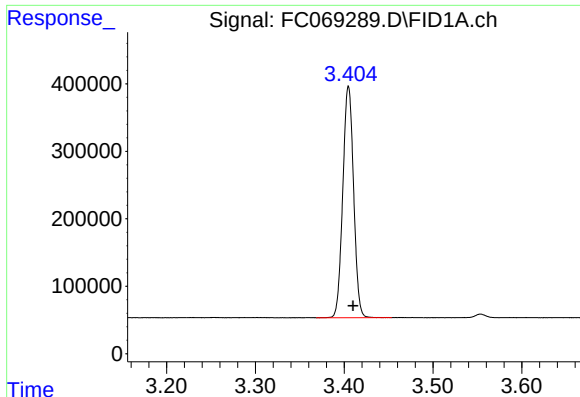
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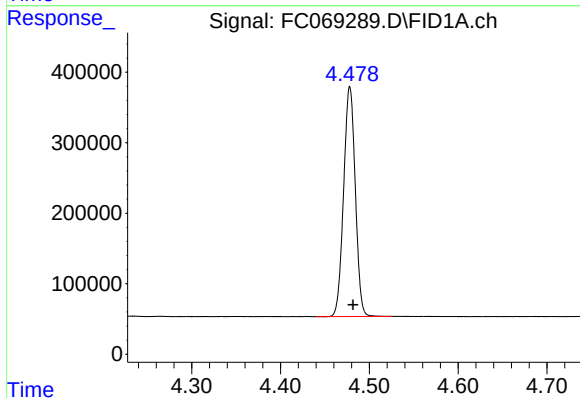
#1 n-Nonane (C9)

R.T.: 3.405 min
Delta R.T.: -0.005 min
Response: 2896894
Conc: 20.37 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

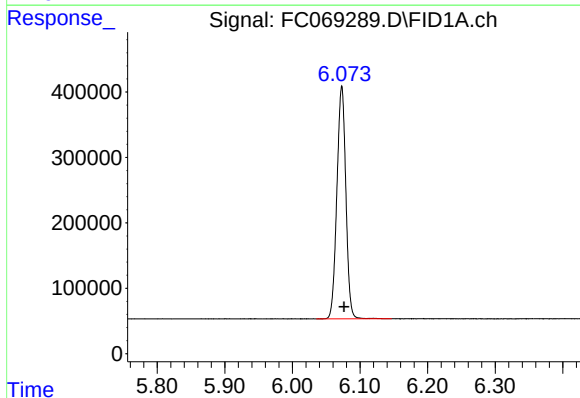
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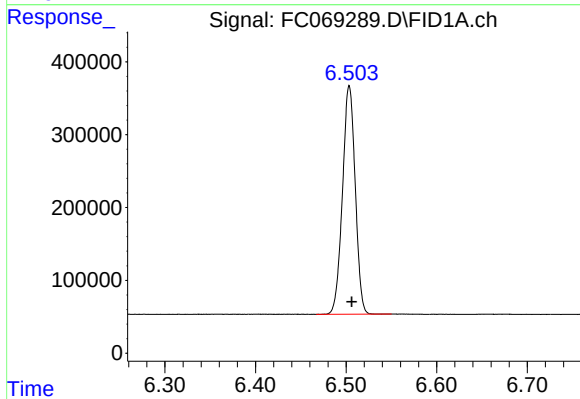
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.003 min
Response: 2978762
Conc: 20.35 ug/ml



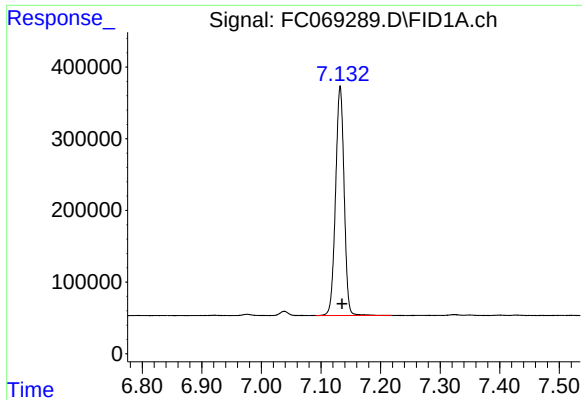
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.003 min
Response: 3279660
Conc: 20.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.003 min
Response: 3068296
Conc: 20.26 ug/ml



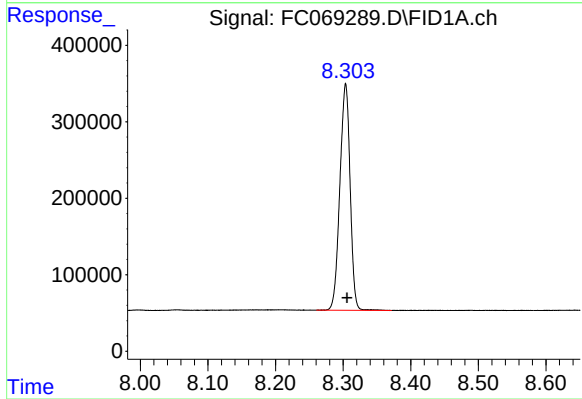
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.003 min
Response: 3192509
Conc: 20.17 ug/ml

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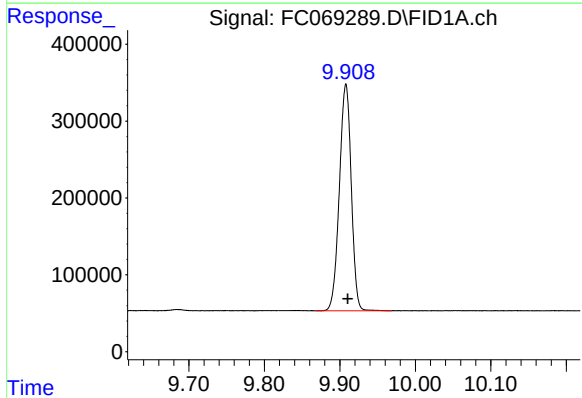
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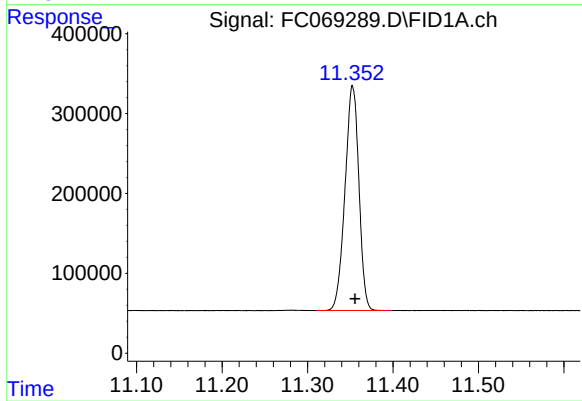
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 3122853
Conc: 20.15 ug/ml



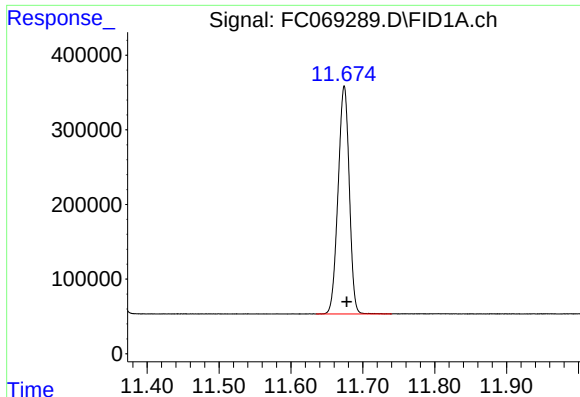
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.003 min
Response: 3225740
Conc: 19.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.003 min
Response: 3183804
Conc: 19.50 ug/ml



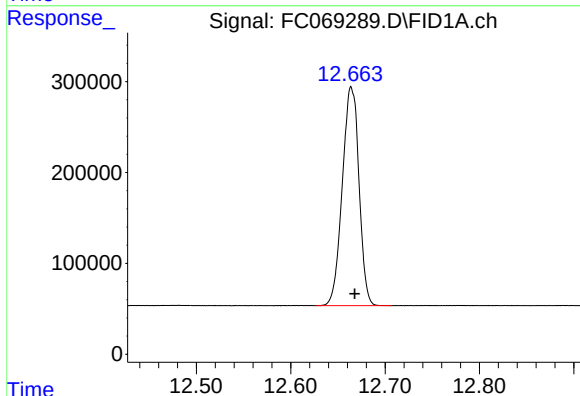
#9 ortho-Terphenyl (SURR)

R.T.: 11.674 min
Delta R.T.: -0.004 min
Response: 3290419
Conc: 19.05 ug/ml

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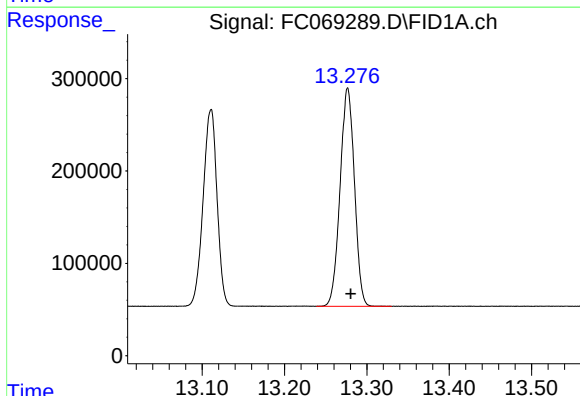
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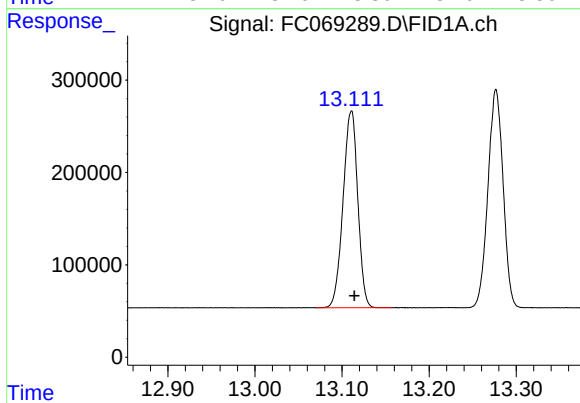
#10 n-Eicosane (C20)

R.T.: 12.664 min
Delta R.T.: -0.003 min
Response: 2961202
Conc: 19.40 ug/ml



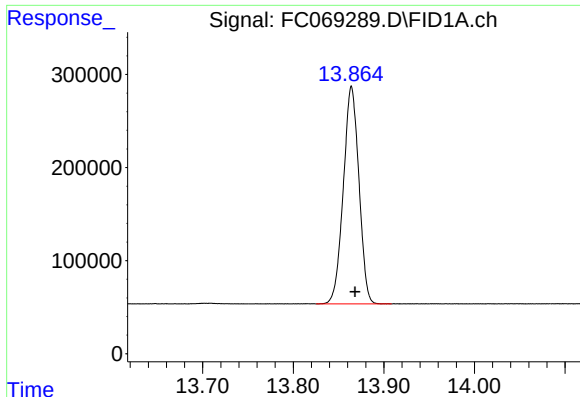
#11 n-Heneicosane (C21)

R.T.: 13.277 min
Delta R.T.: -0.004 min
Response: 2862995
Conc: 19.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.110 min
Delta R.T.: -0.004 min
Response: 2504304
Conc: 19.17 ug/ml



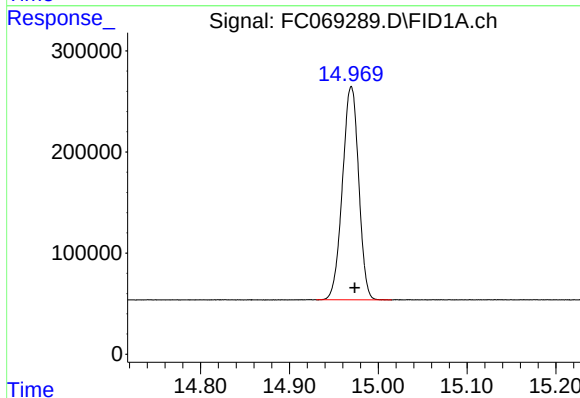
#13 n-Docosane (C22)

R.T.: 13.864 min
Delta R.T.: -0.004 min
Response: 2793753
Conc: 19.42 ug/ml

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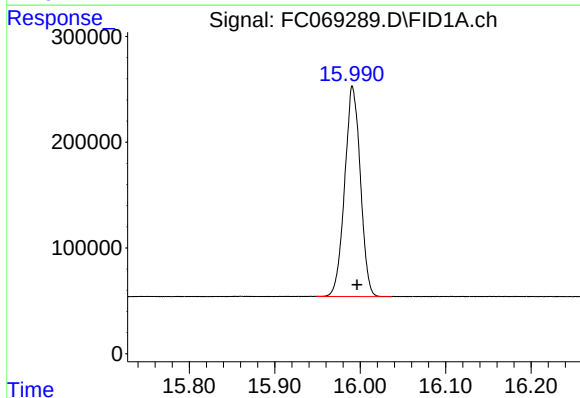
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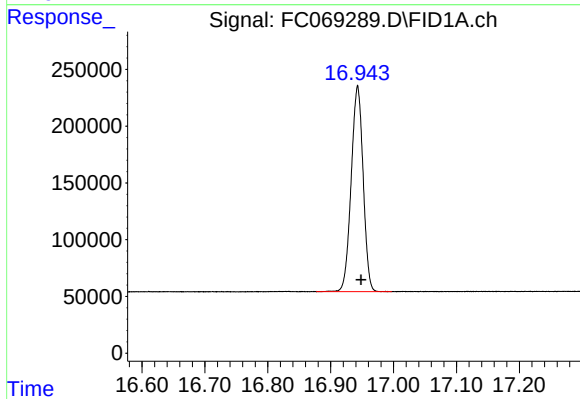
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: -0.004 min
Response: 2678376
Conc: 19.42 ug/ml



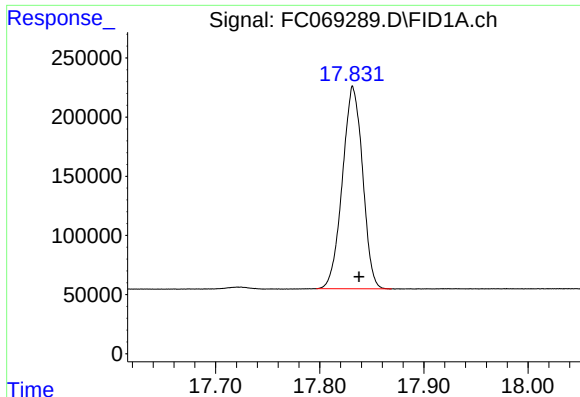
#15 n-Hexacosane (C26)

R.T.: 15.991 min
Delta R.T.: -0.005 min
Response: 2537027
Conc: 19.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.943 min
Delta R.T.: -0.006 min
Response: 2389199
Conc: 19.37 ug/ml



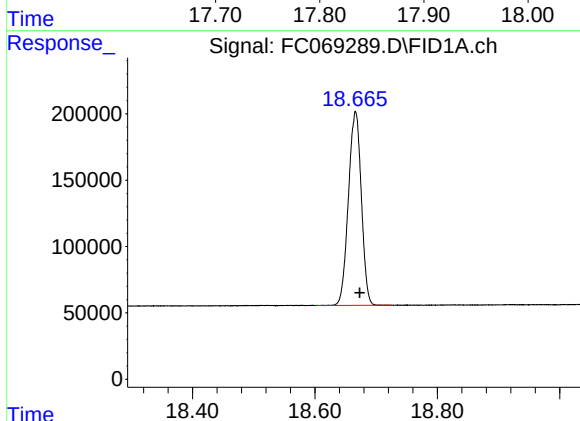
#17 n-Tricontane (C30)

R.T.: 17.831 min
Delta R.T.: -0.007 min
Response: 2304398
Conc: 19.38 ug/ml

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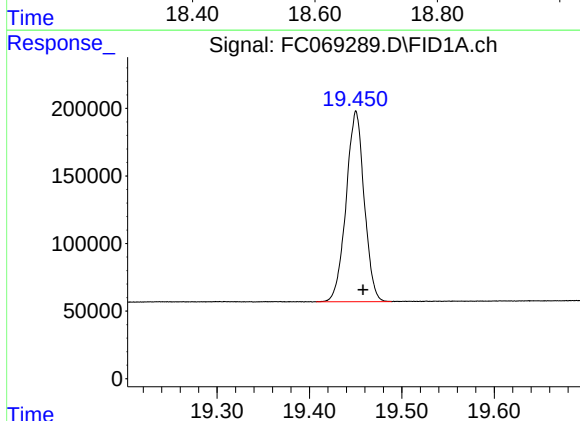
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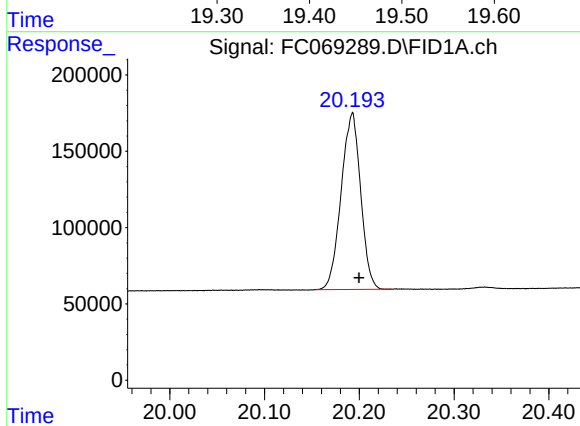
#18 n-Dotriacontane (C32)

R.T.: 18.666 min
Delta R.T.: -0.007 min
Response: 2136647
Conc: 19.54 ug/ml



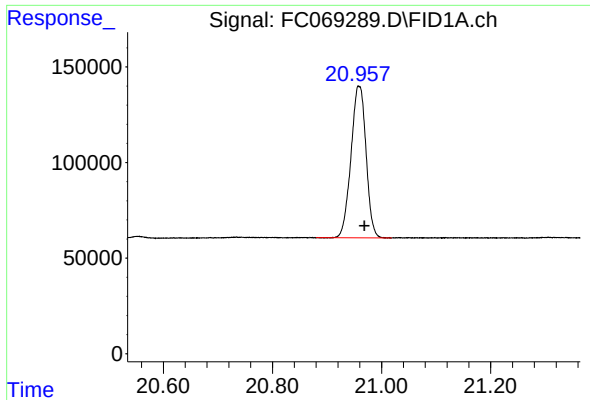
#19 n-Tetratriacontane (C34)

R.T.: 19.450 min
Delta R.T.: -0.008 min
Response: 1919952
Conc: 19.88 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.193 min
Delta R.T.: -0.007 min
Response: 1651604
Conc: 20.04 ug/ml m



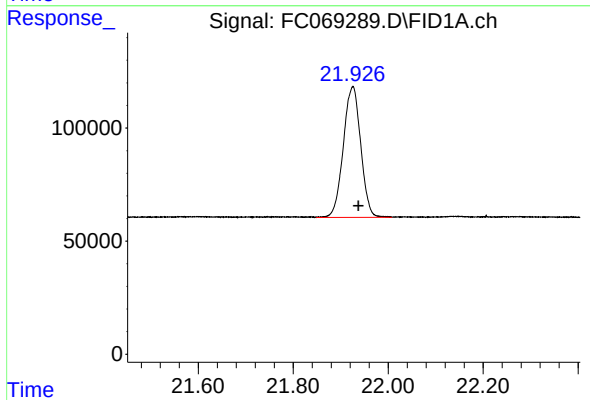
#21 n-Octatriacontane (C38)

R.T.: 20.959 min
Delta R.T.: -0.010 min
Response: 1519374
Conc: 20.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.926 min
Delta R.T.: -0.012 min
Response: 1472851
Conc: 20.80 ug/ml m