

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062625AL\
 Data File : FC069311.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 06:57
 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 07:27:01 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)	11.677	3066455	17.750 ug/ml
Spiked Amount 50.000		Recovery =	35.50%
12) S 1-chlorooctadecane (S...	13.112	2338475	17.900 ug/ml
Spiked Amount 50.000		Recovery =	35.80%
Target Compounds			
1) T n-Nonane (C9)	3.407	2939377	20.668 ug/ml
2) T n-Decane (C10)	4.479	3038551	20.756 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3301958	20.523 ug/ml
4) T n-Dodecane (C12)	6.505	3102302	20.487 ug/ml
5) T A~2-methylnaphthalene...	7.135	3168501	20.022 ug/ml
6) T n-Tetradecane (C14)	8.304	3036500	19.590 ug/ml
7) T n-Hexadecane (C16)	9.909	3052423	18.679 ug/ml
8) T n-Octadecane (C18)	11.355	2961817	18.141 ug/ml
10) T n-Eicosane (C20)	12.666	2748083	18.004 ug/ml
11) T n-Heneicosane (C21)	13.280	2659029	18.040 ug/ml
13) T n-Docosane (C22)	13.866	2600659	18.075 ug/ml
14) T n-Tetracosane (C24)	14.971	2497990	18.110 ug/ml
15) T n-Hexacosane (C26)	15.994	2369373	18.125 ug/ml
16) T n-Octacosane (C28)	16.945	2245245	18.205 ug/ml
17) T n-Tricontane (C30)	17.833	2190543	18.426 ug/ml
18) T n-Dotriacontane (C32)	18.668	2080974	19.033 ug/ml
19) T n-Tetratriacontane (C34)	19.452	1892070	19.593 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1661051	20.155 ug/ml
21) T n-Octatriacontane (C38)	20.961	1602925	21.449 ug/mlm
22) T n-Tetracontane (C40)	21.926	1505451	21.259 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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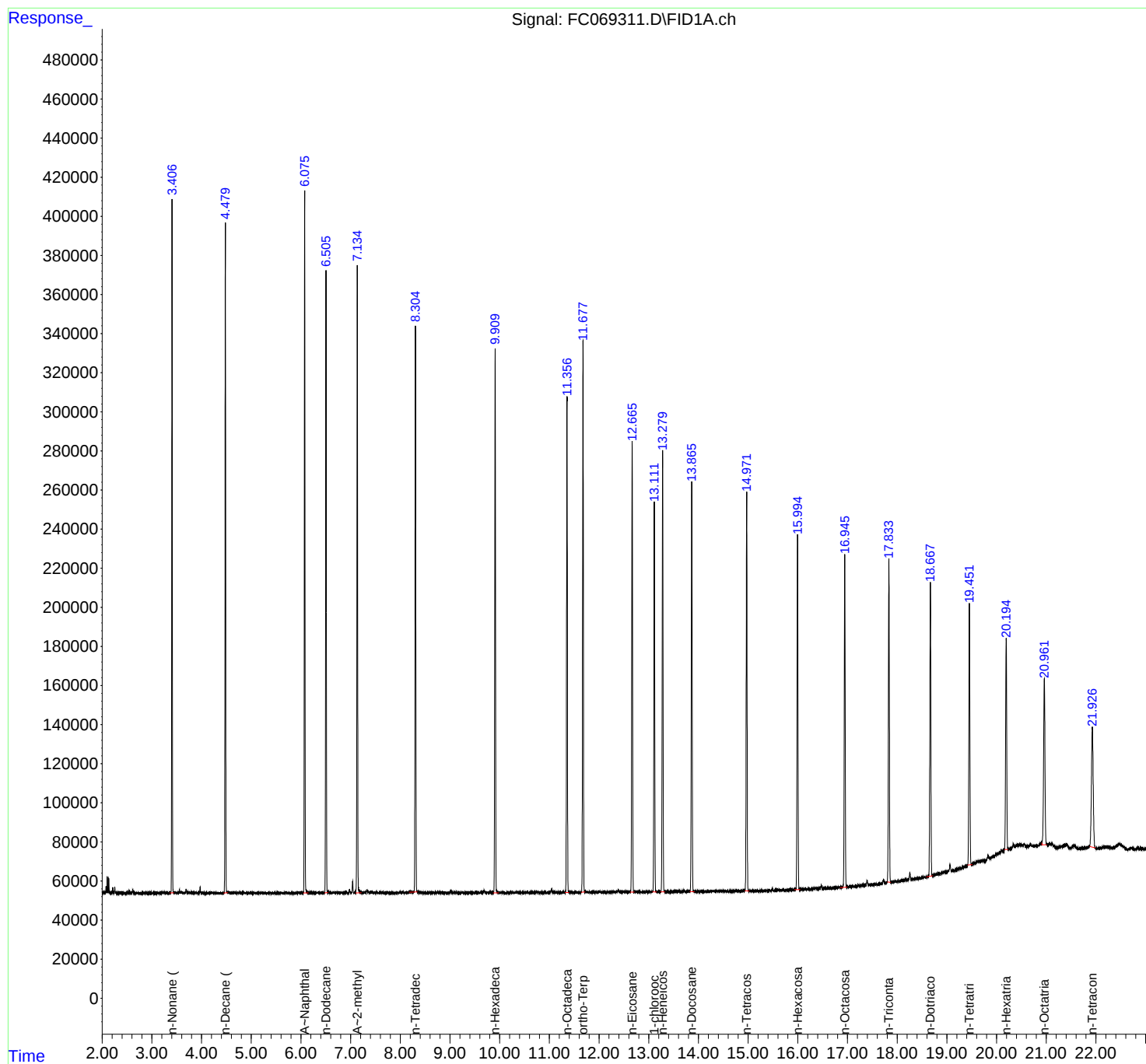
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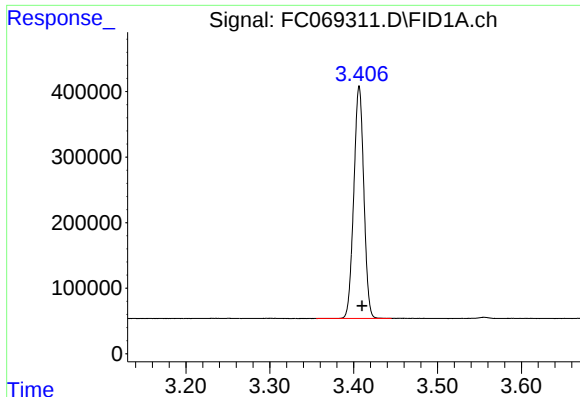
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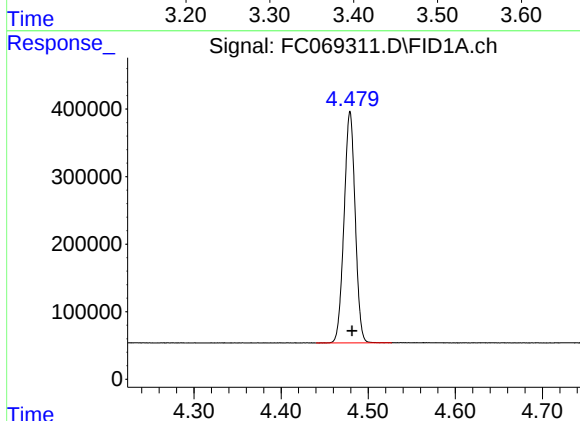
#1 n-Nonane (C9)

R.T.: 3.407 min
Delta R.T.: -0.003 min
Response: 2939377
Conc: 20.67 ug/ml

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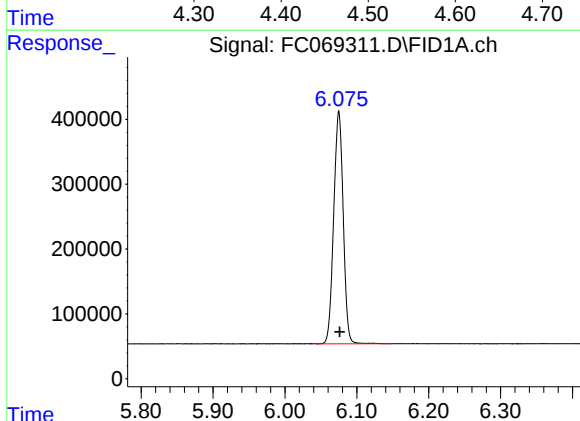
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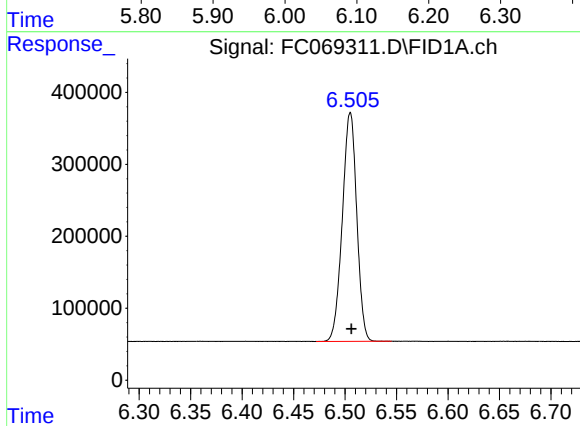
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.002 min
Response: 3038551
Conc: 20.76 ug/ml



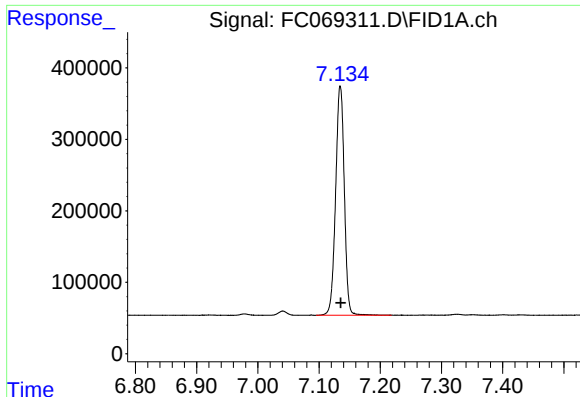
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 3301958
Conc: 20.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.001 min
Response: 3102302
Conc: 20.49 ug/ml



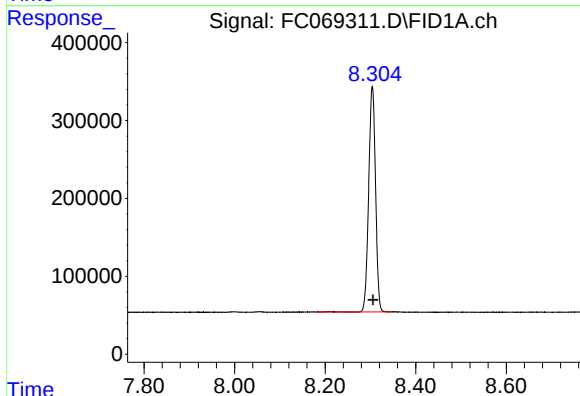
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3168501
Conc: 20.02 ug/ml

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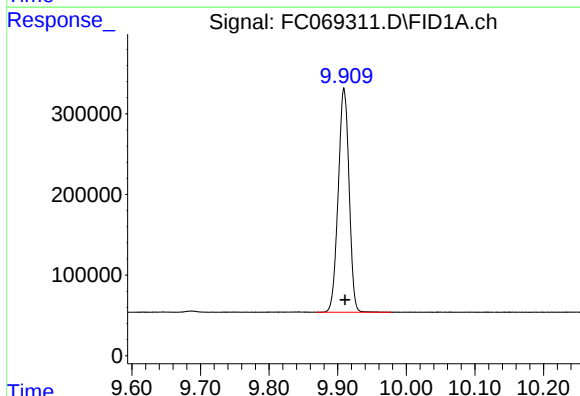
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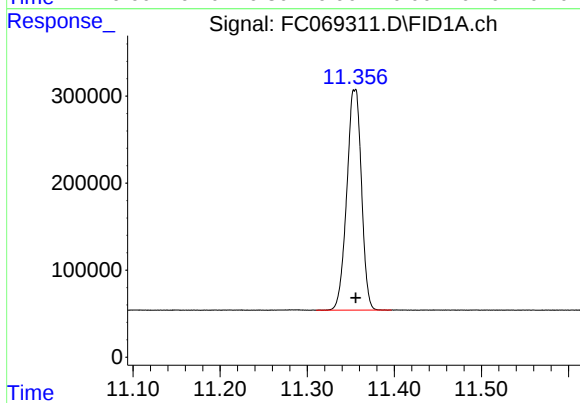
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 3036500
Conc: 19.59 ug/ml



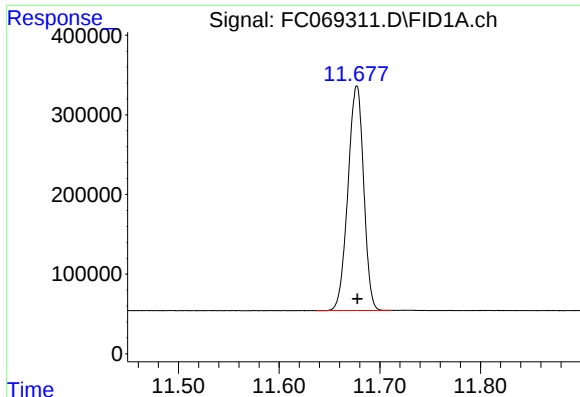
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.001 min
Response: 3052423
Conc: 18.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: 0.000 min
Response: 2961817
Conc: 18.14 ug/ml



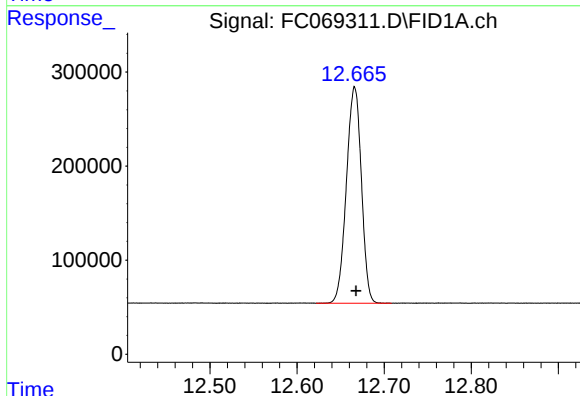
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: 0.000 min
Response: 3066455
Conc: 17.75 ug/ml

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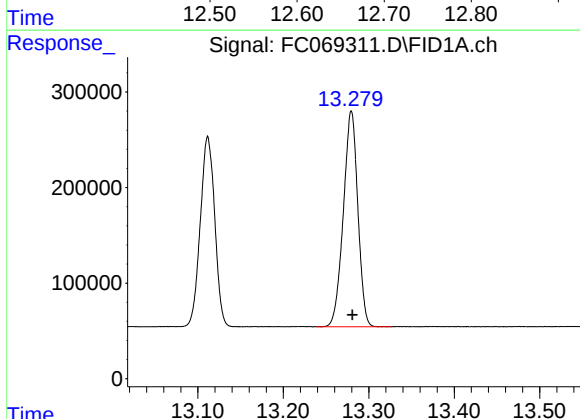
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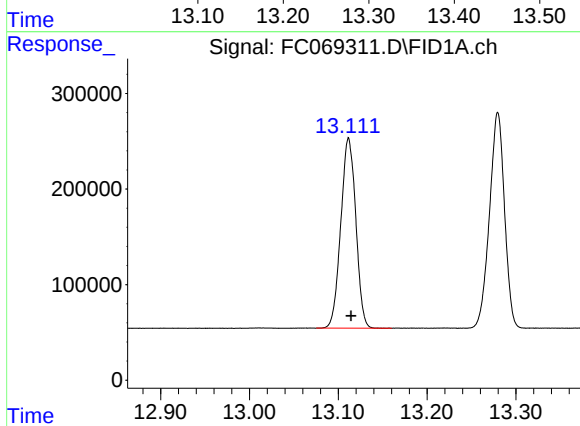
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.002 min
Response: 2748083
Conc: 18.00 ug/ml



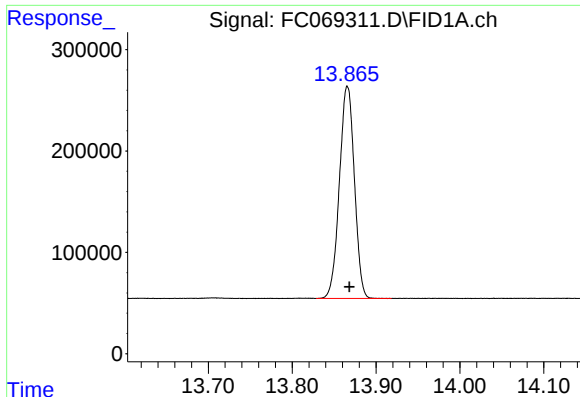
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.001 min
Response: 2659029
Conc: 18.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.003 min
Response: 2338475
Conc: 17.90 ug/ml



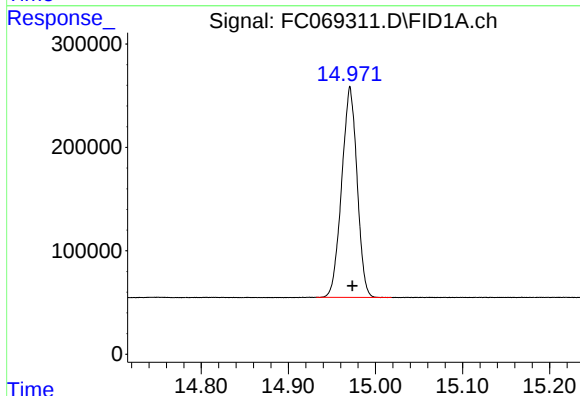
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.002 min
Response: 2600659
Conc: 18.07 ug/ml

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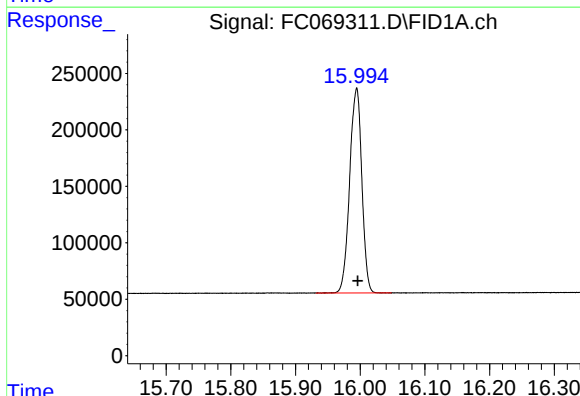
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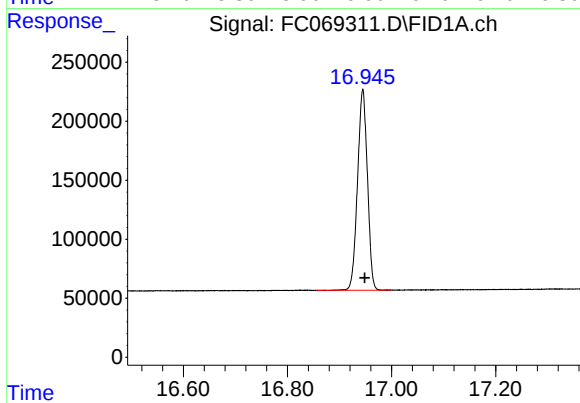
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.003 min
Response: 2497990
Conc: 18.11 ug/ml



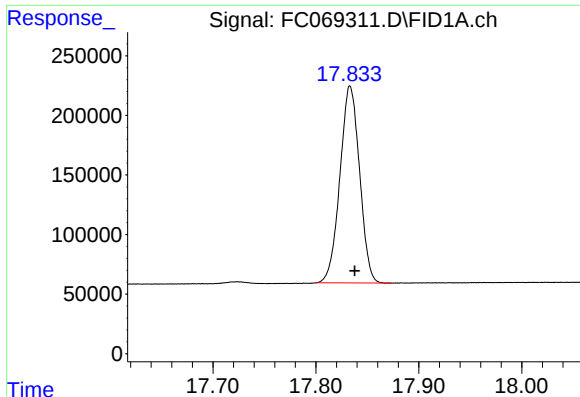
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.002 min
Response: 2369373
Conc: 18.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.004 min
Response: 2245245
Conc: 18.21 ug/ml



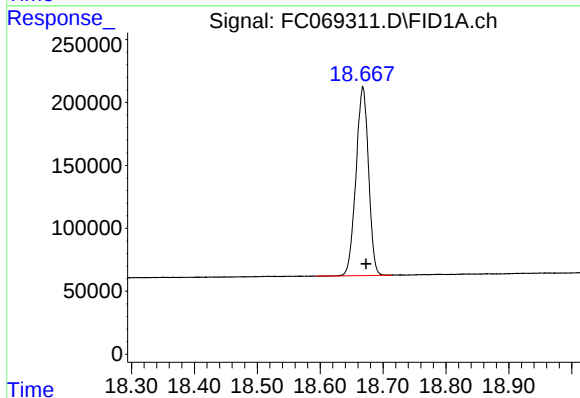
#17 n-Tricontane (C30)

R.T.: 17.833 min
Delta R.T.: -0.004 min
Response: 2190543
Conc: 18.43 ug/ml

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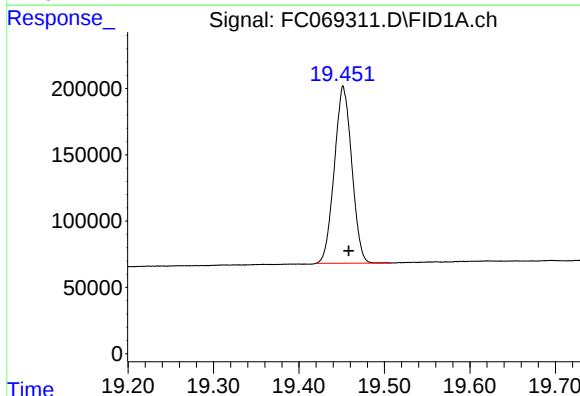
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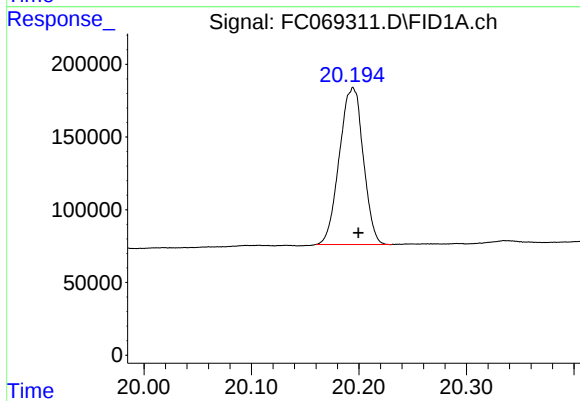
#18 n-Dotriacontane (C32)

R.T.: 18.668 min
Delta R.T.: -0.005 min
Response: 2080974
Conc: 19.03 ug/ml



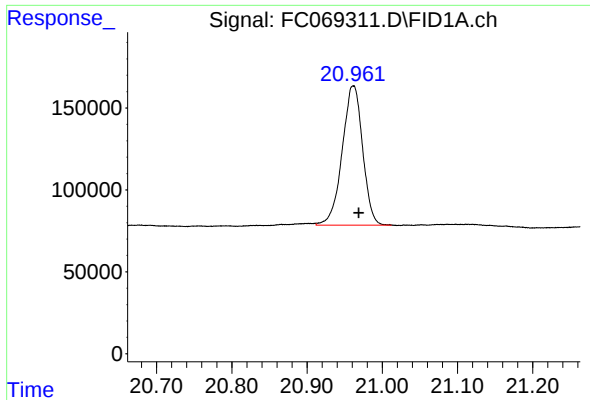
#19 n-Tetratriacontane (C34)

R.T.: 19.452 min
Delta R.T.: -0.006 min
Response: 1892070
Conc: 19.59 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.006 min
Response: 1661051
Conc: 20.16 ug/ml



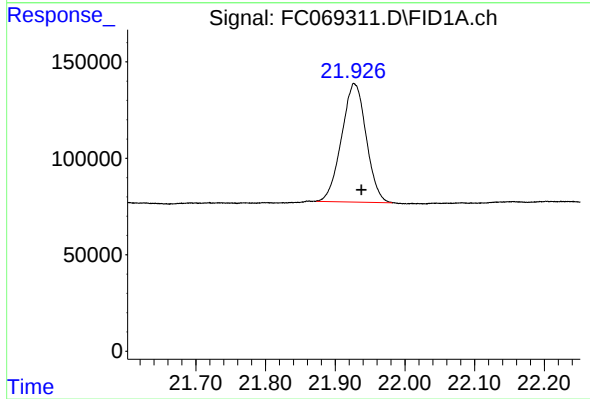
#21 n-Octatriacontane (C38)

R.T.: 20.961 min
Delta R.T.: -0.007 min
Response: 1602925
Conc: 21.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.926 min
Delta R.T.: -0.011 min
Response: 1505451
Conc: 21.26 ug/ml m