

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070925AL\
 Data File : FC069400.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jul 2025 12:38
 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 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File: autoint1.e
 Quant Time: Jul 10 03:39:45 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)	11.672	3137891	18.163 ug/ml
Spiked Amount 50.000		Recovery =	36.33%
12) S 1-chlorooctadecane (S...	13.108	2364174	18.097 ug/ml
Spiked Amount 50.000		Recovery =	36.19%
Target Compounds			
1) T n-Nonane (C9)	3.402	2847778	20.024 ug/ml
2) T n-Decane (C10)	4.476	2970160	20.289 ug/ml
3) T A~Naphthalene (C11.7)	6.071	3245561	20.172 ug/ml
4) T n-Dodecane (C12)	6.501	3017203	19.925 ug/ml
5) T A~2-methylnaphthalene...	7.131	3129159	19.774 ug/ml
6) T n-Tetradecane (C14)	8.301	3006324	19.395 ug/ml
7) T n-Hexadecane (C16)	9.905	3060819	18.730 ug/ml
8) T n-Octadecane (C18)	11.351	3006905	18.417 ug/ml
10) T n-Eicosane (C20)	12.661	2799546	18.341 ug/ml
11) T n-Heneicosane (C21)	13.275	2709530	18.383 ug/ml
13) T n-Docosane (C22)	13.861	2657833	18.472 ug/ml
14) T n-Tetracosane (C24)	14.966	2572422	18.650 ug/ml
15) T n-Hexacosane (C26)	15.989	2443286	18.691 ug/ml
16) T n-Octacosane (C28)	16.939	2370018	19.217 ug/ml
17) T n-Tricontane (C30)	17.829	2422143	20.374 ug/ml
18) T n-Dotriacontane (C32)	18.661	2330054	21.311 ug/mlm
19) T n-Tetratriacontane (C34)	19.448	2091893	21.663 ug/ml
20) T n-Hexatriacontane (C36)	20.188	1799481	21.835 ug/ml
21) T n-Octatriacontane (C38)	20.956	1633146	21.854 ug/ml
22) T n-Tetracontane (C40)	21.915	1546376	21.836 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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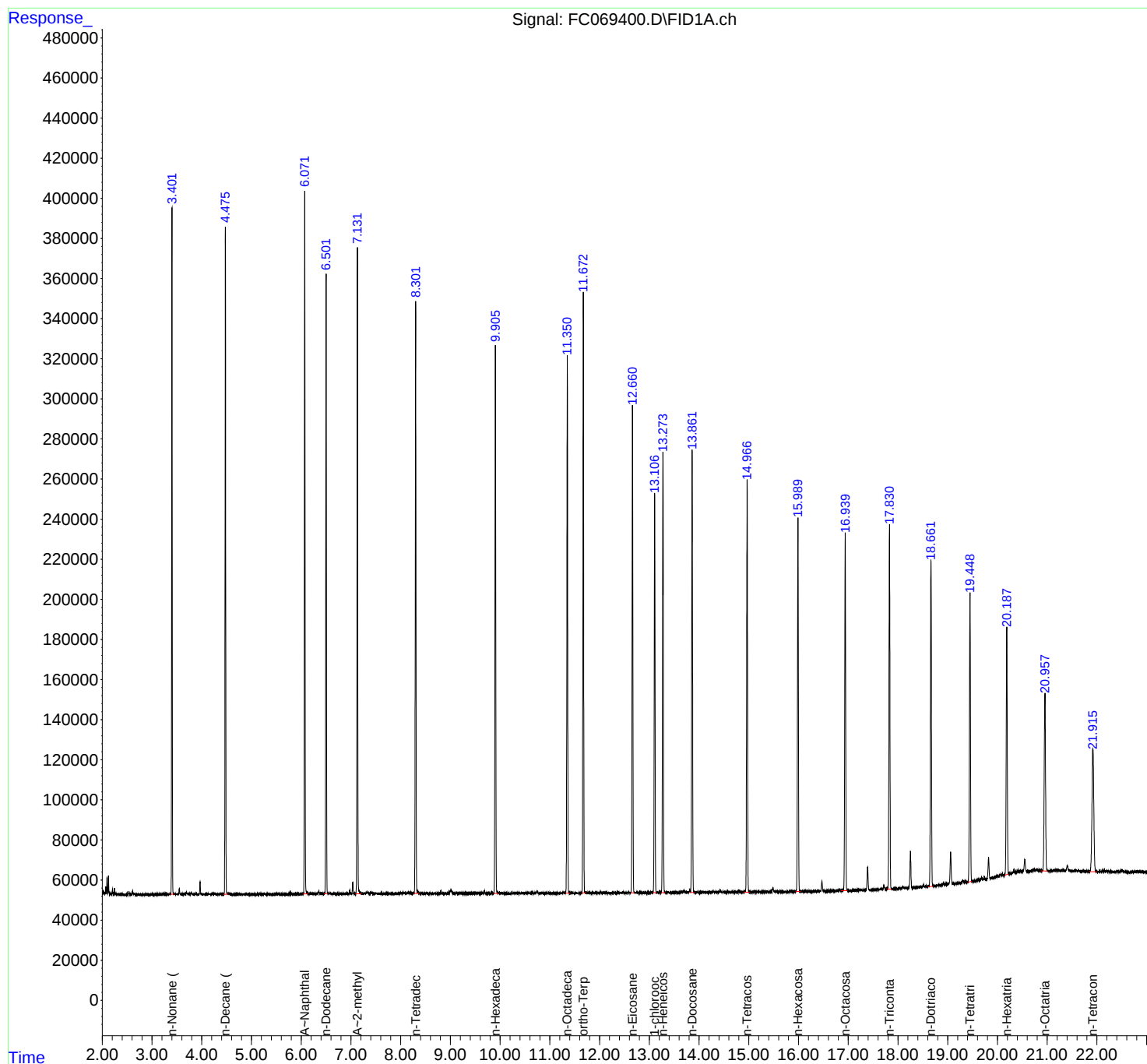
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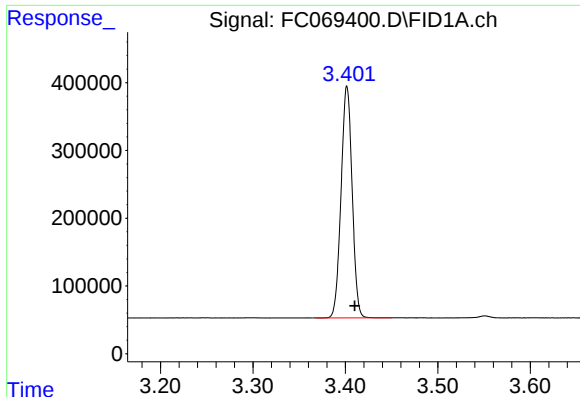
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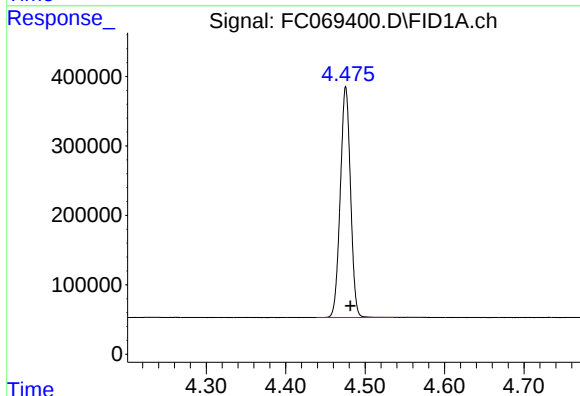
#1 n-Nonane (C9)

R.T.: 3.402 min
Delta R.T.: -0.008 min
Response: 2847778
Conc: 20.02 ug/ml

Instrument :
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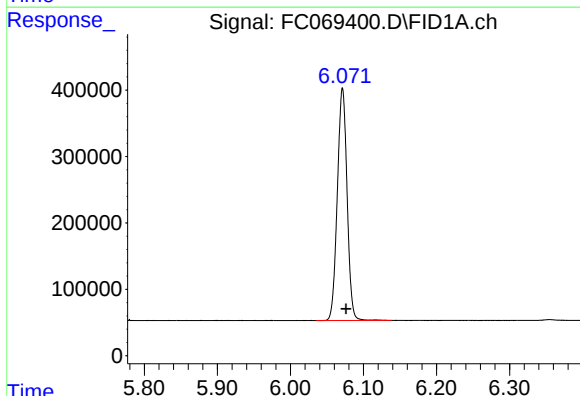
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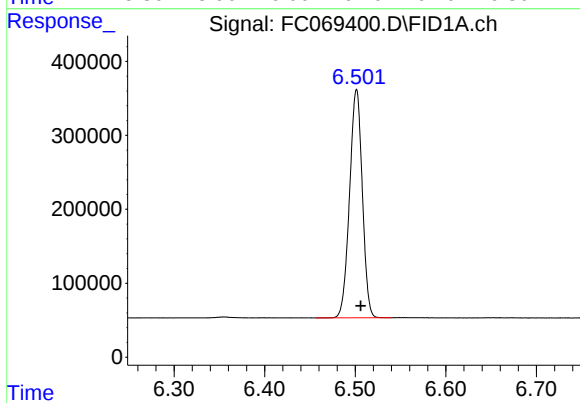
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.006 min
Response: 2970160
Conc: 20.29 ug/ml



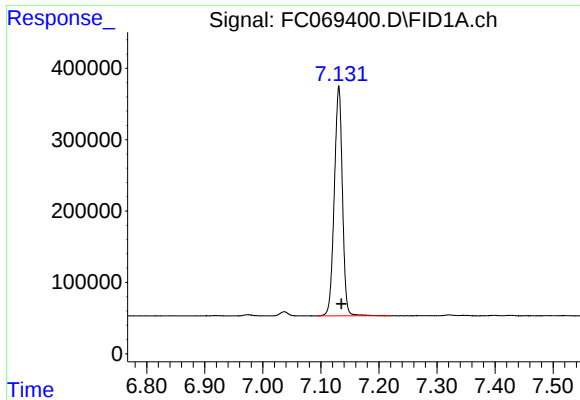
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.005 min
Response: 3245561
Conc: 20.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: -0.005 min
Response: 3017203
Conc: 19.93 ug/ml



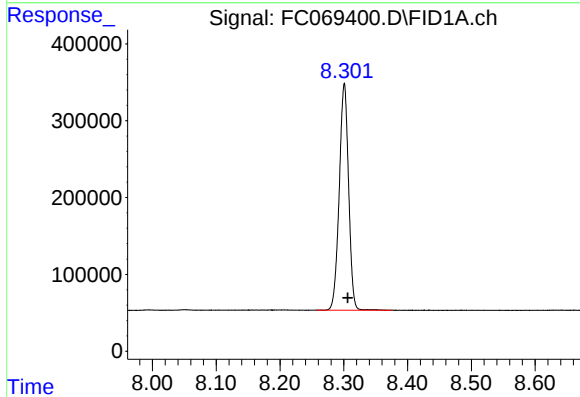
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: -0.005 min
Response: 3129159
Conc: 19.77 ug/ml

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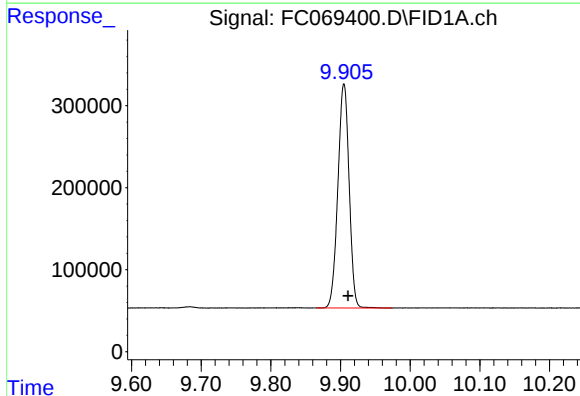
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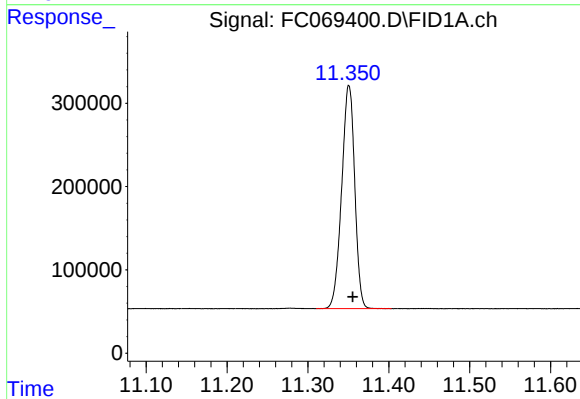
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: -0.005 min
Response: 3006324
Conc: 19.39 ug/ml



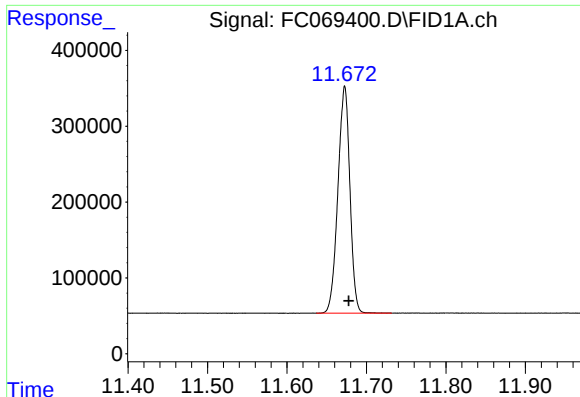
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: -0.006 min
Response: 3060819
Conc: 18.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.351 min
Delta R.T.: -0.005 min
Response: 3006905
Conc: 18.42 ug/ml



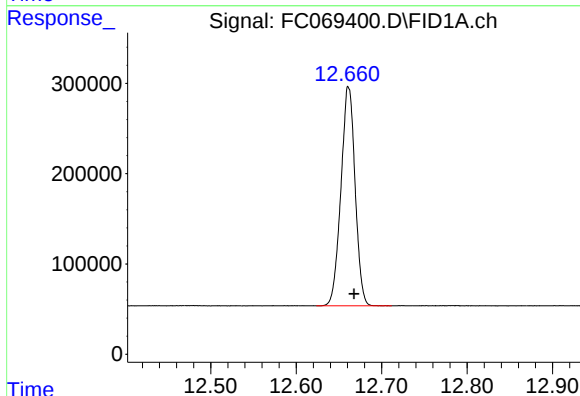
#9 ortho-Terphenyl (SURR)

R.T.: 11.672 min
Delta R.T.: -0.005 min
Response: 3137891
Conc: 18.16 ug/ml

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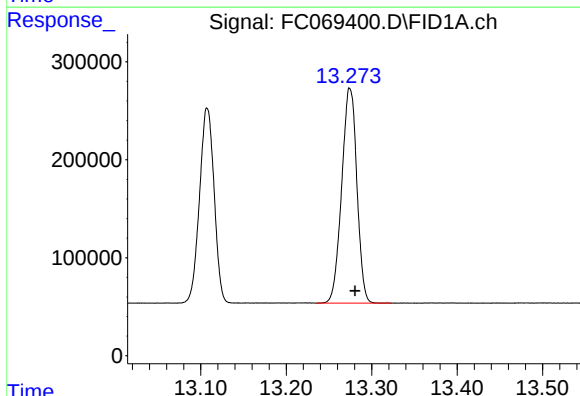
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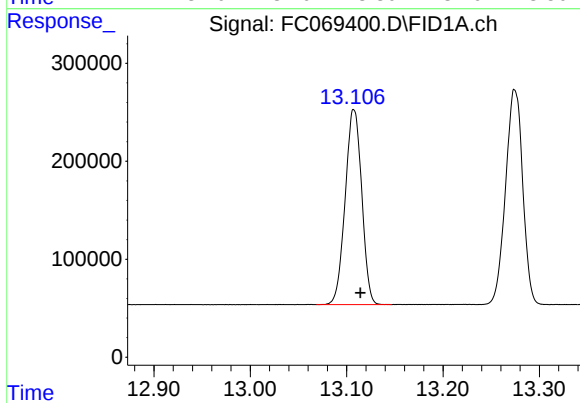
#10 n-Eicosane (C20)

R.T.: 12.661 min
Delta R.T.: -0.006 min
Response: 2799546
Conc: 18.34 ug/ml



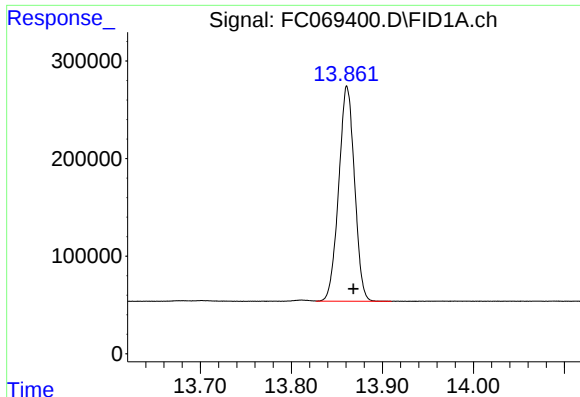
#11 n-Heneicosane (C21)

R.T.: 13.275 min
Delta R.T.: -0.006 min
Response: 2709530
Conc: 18.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.108 min
Delta R.T.: -0.007 min
Response: 2364174
Conc: 18.10 ug/ml



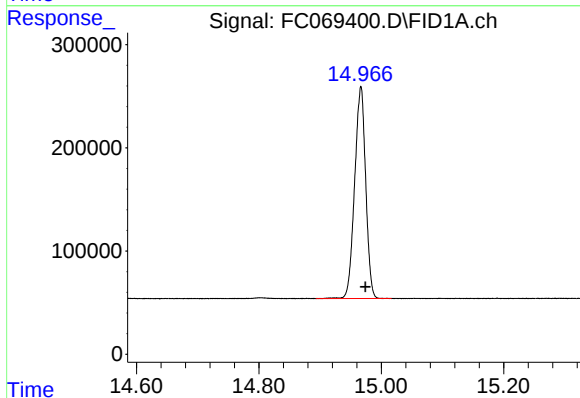
#13 n-Docosane (C22)

R.T.: 13.861 min
Delta R.T.: -0.007 min
Response: 2657833
Conc: 18.47 ug/ml

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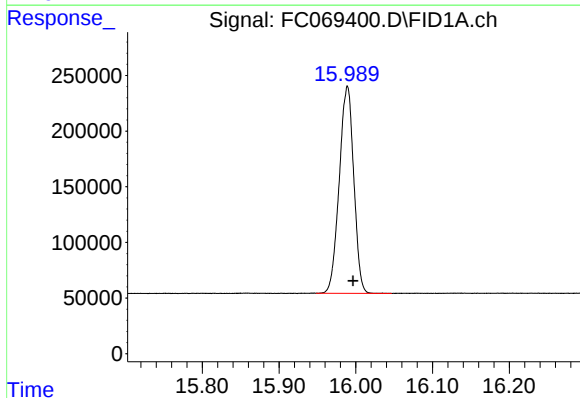
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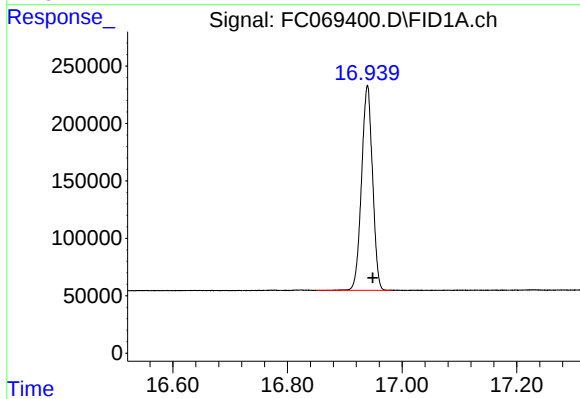
#14 n-Tetracosane (C24)

R.T.: 14.966 min
Delta R.T.: -0.007 min
Response: 2572422
Conc: 18.65 ug/ml



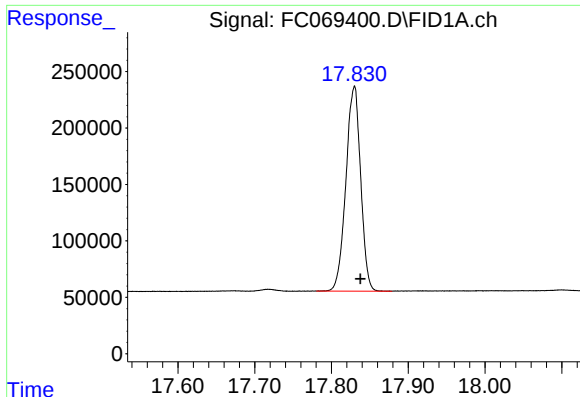
#15 n-Hexacosane (C26)

R.T.: 15.989 min
Delta R.T.: -0.008 min
Response: 2443286
Conc: 18.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.939 min
Delta R.T.: -0.009 min
Response: 2370018
Conc: 19.22 ug/ml



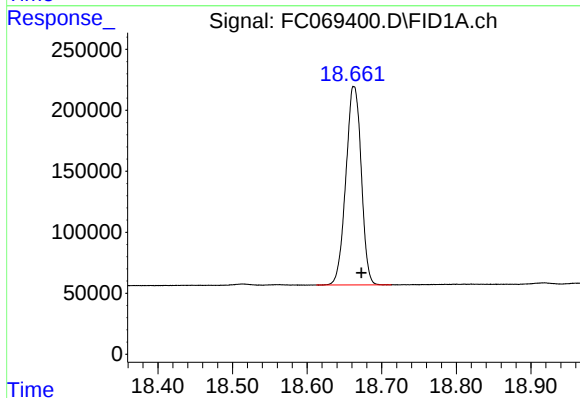
#17 n-Tricontane (C30)

R.T.: 17.829 min
Delta R.T.: -0.008 min
Response: 2422143
Conc: 20.37 ug/ml

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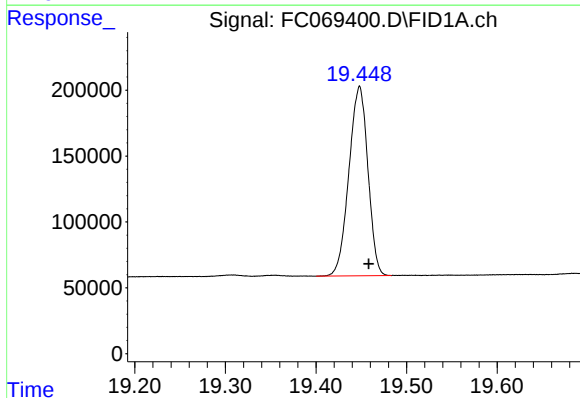
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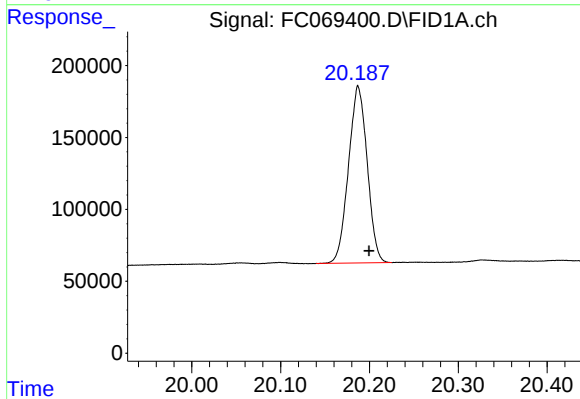
#18 n-Dotriacontane (C32)

R.T.: 18.661 min
Delta R.T.: -0.012 min
Response: 2330054
Conc: 21.31 ug/ml m



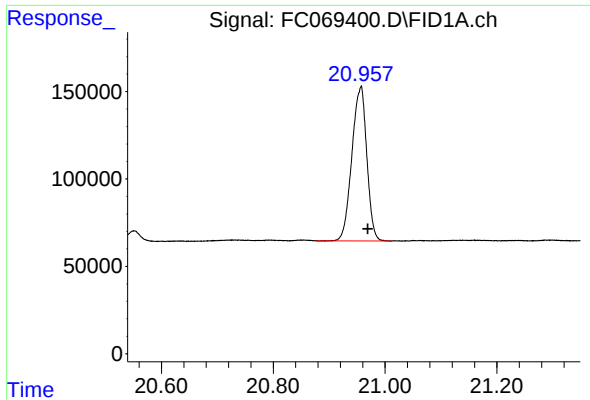
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min
Delta R.T.: -0.010 min
Response: 2091893
Conc: 21.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.188 min
Delta R.T.: -0.012 min
Response: 1799481
Conc: 21.84 ug/ml



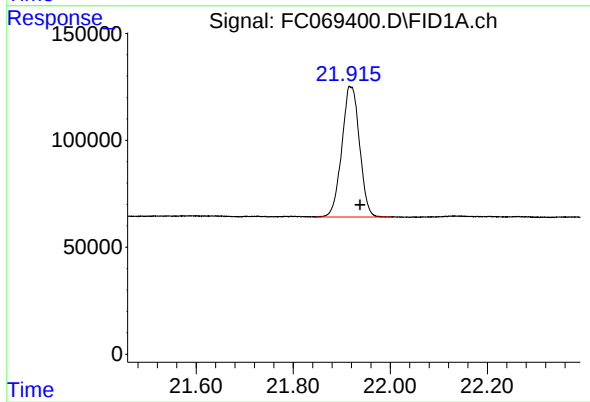
#21 n-Octatriacontane (C38)

R.T.: 20.956 min
Delta R.T.: -0.013 min
Response: 1633146
Conc: 21.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: -0.023 min
Response: 1546376
Conc: 21.84 ug/ml m