

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070825AL\
 Data File : FC069397.D
 Signal(s) : FID1A.ch
 Acq On : 08 Jul 2025 19:52
 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 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File: autoint1.e
 Quant Time: Jul 09 04:45:32 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)	11.672	3081967	17.840 ug/ml
Spiked Amount 50.000		Recovery =	35.68%
12) S 1-chlorooctadecane (S...	13.108	2340842	17.918 ug/ml
Spiked Amount 50.000		Recovery =	35.84%
Target Compounds			
1) T n-Nonane (C9)	3.402	2766876	19.455 ug/ml
2) T n-Decane (C10)	4.476	2886176	19.715 ug/ml
3) T A~Naphthalene (C11.7)	6.072	3162175	19.654 ug/ml
4) T n-Dodecane (C12)	6.502	2942563	19.432 ug/ml
5) T A~2-methylnaphthalene...	7.131	3056300	19.313 ug/ml
6) T n-Tetradecane (C14)	8.301	2922051	18.851 ug/ml
7) T n-Hexadecane (C16)	9.905	2999797	18.357 ug/ml
8) T n-Octadecane (C18)	11.350	2951464	18.077 ug/ml
10) T n-Eicosane (C20)	12.661	2755014	18.049 ug/ml
11) T n-Heneicosane (C21)	13.275	2665588	18.085 ug/ml
13) T n-Docosane (C22)	13.862	2623512	18.234 ug/ml
14) T n-Tetracosane (C24)	14.966	2544314	18.446 ug/ml
15) T n-Hexacosane (C26)	15.988	2420960	18.520 ug/ml
16) T n-Octacosane (C28)	16.939	2346425	19.026 ug/ml
17) T n-Tricontane (C30)	17.828	2385063	20.062 ug/ml
18) T n-Dotriacontane (C32)	18.662	2292748	20.969 ug/ml
19) T n-Tetratriacontane (C34)	19.446	2055442	21.285 ug/ml
20) T n-Hexatriacontane (C36)	20.187	1764195	21.407 ug/ml
21) T n-Octatriacontane (C38)	20.954	1630173	21.814 ug/ml
22) T n-Tetracontane (C40)	21.919	1531938	21.633 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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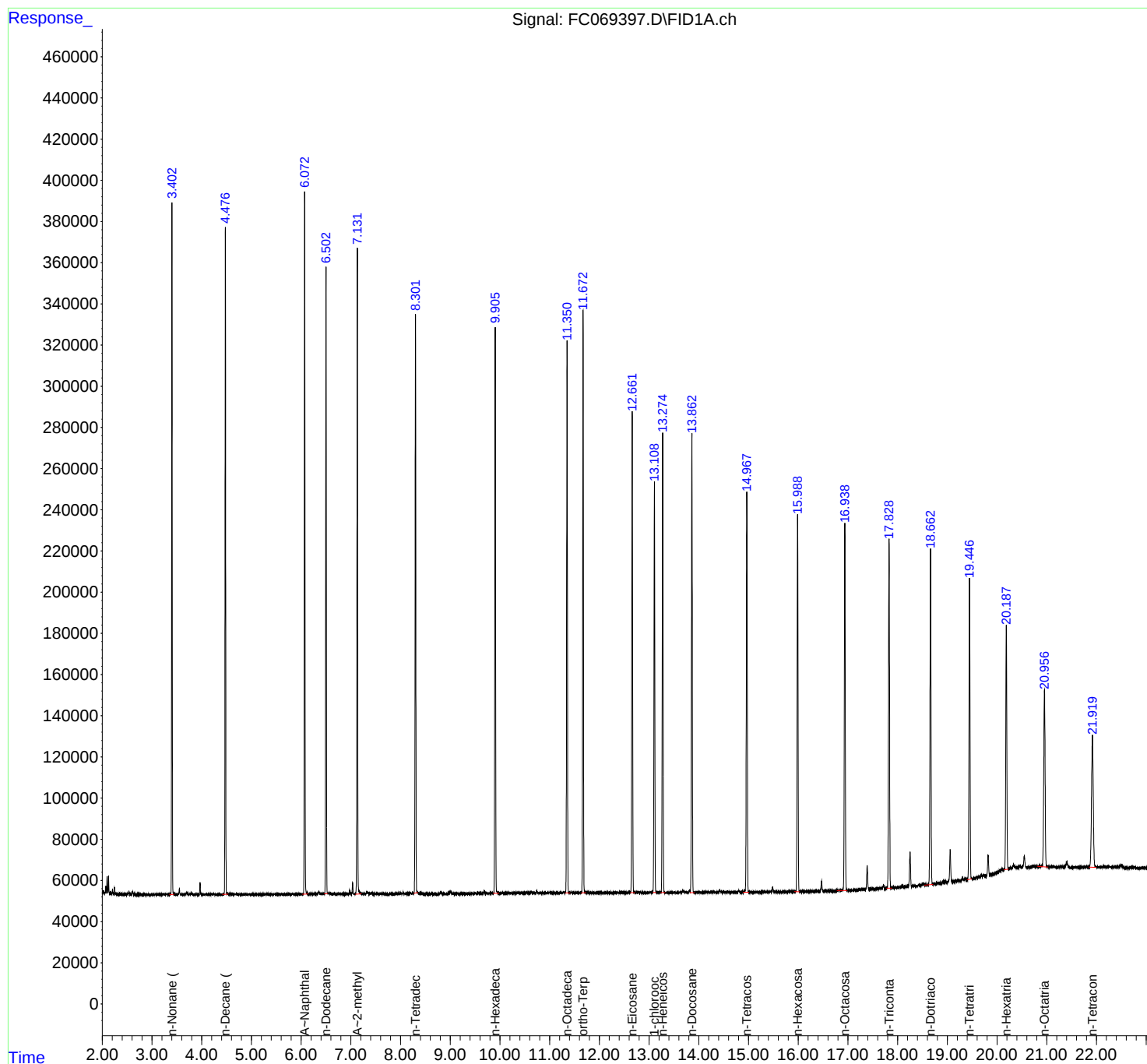
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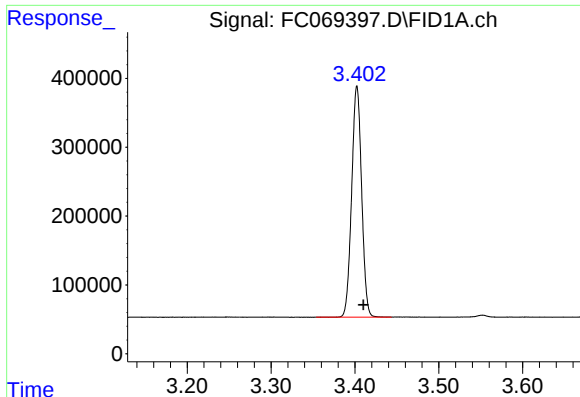
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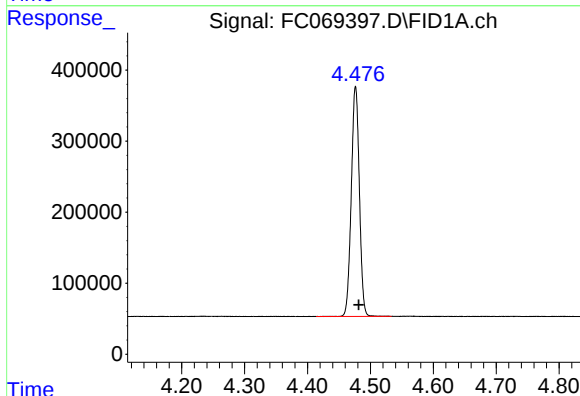
#1 n-Nonane (C9)

R.T.: 3.402 min
Delta R.T.: -0.008 min
Response: 2766876
Conc: 19.46 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

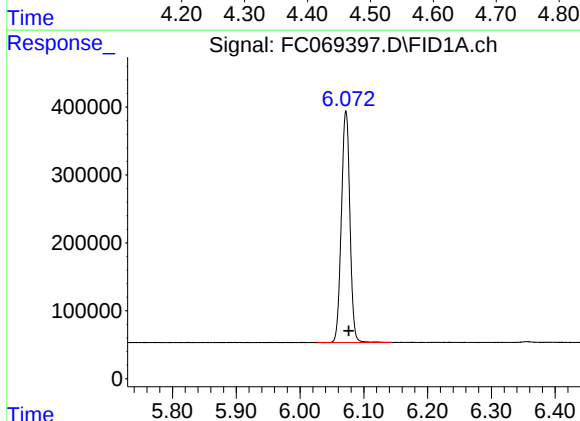
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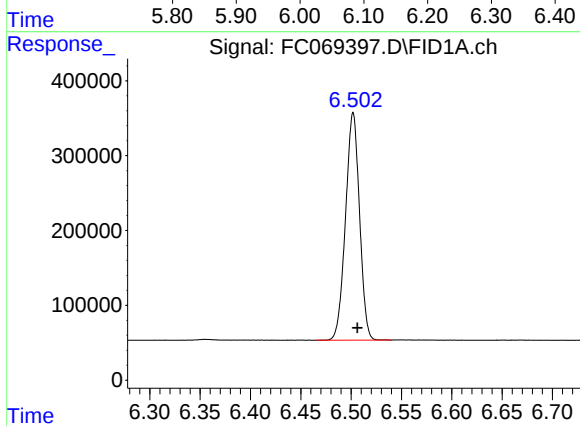
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.005 min
Response: 2886176
Conc: 19.71 ug/ml



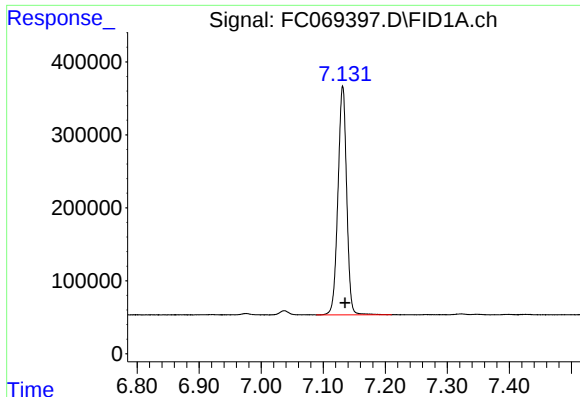
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.004 min
Response: 3162175
Conc: 19.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: -0.004 min
Response: 2942563
Conc: 19.43 ug/ml



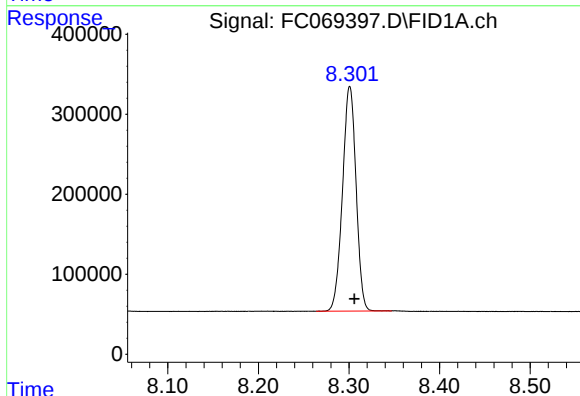
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: -0.004 min
Response: 3056300
Conc: 19.31 ug/ml

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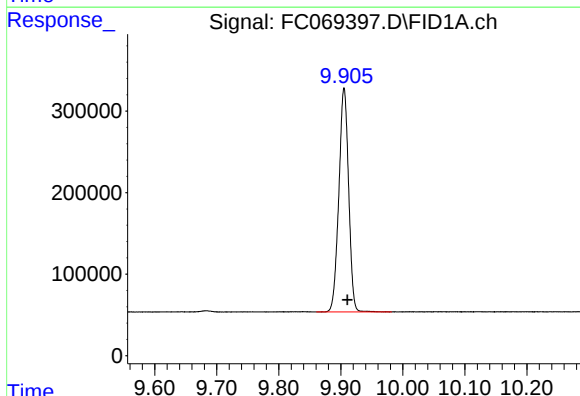
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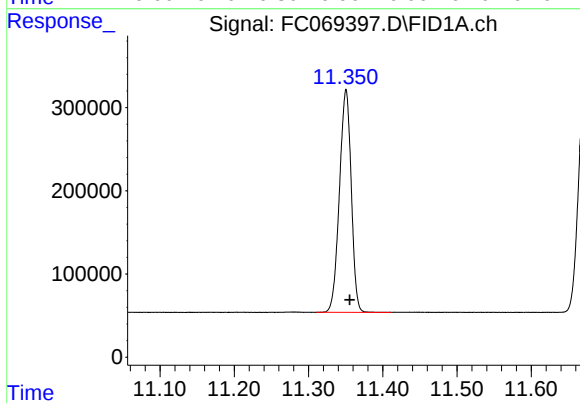
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: -0.005 min
Response: 2922051
Conc: 18.85 ug/ml



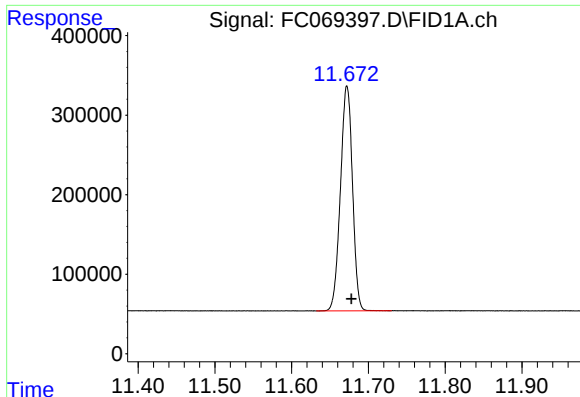
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: -0.005 min
Response: 2999797
Conc: 18.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.350 min
Delta R.T.: -0.005 min
Response: 2951464
Conc: 18.08 ug/ml



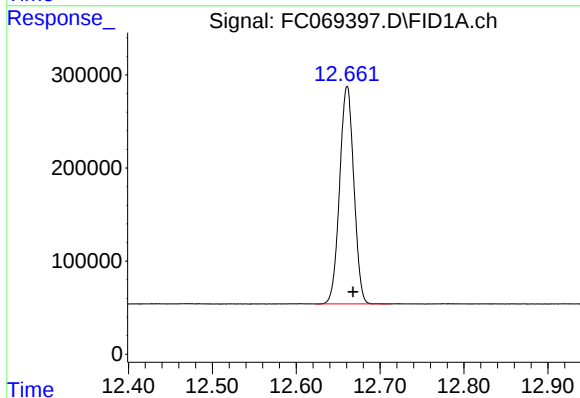
#9 ortho-Terphenyl (SURR)

R.T.: 11.672 min
Delta R.T.: -0.006 min
Response: 3081967
Conc: 17.84 ug/ml

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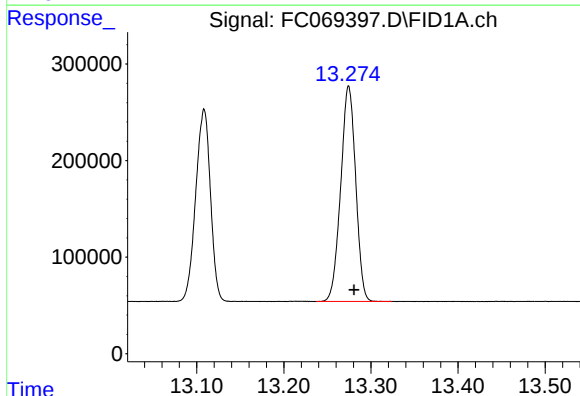
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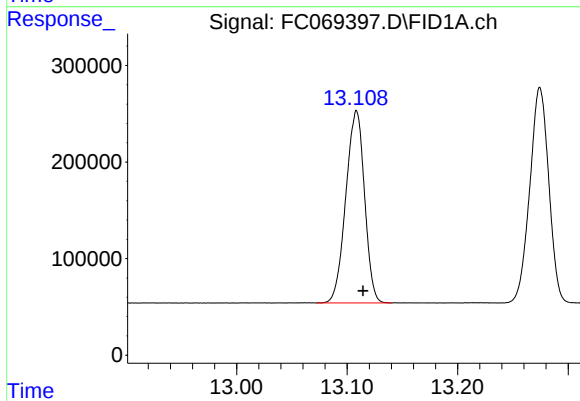
#10 n-Eicosane (C20)

R.T.: 12.661 min
Delta R.T.: -0.007 min
Response: 2755014
Conc: 18.05 ug/ml



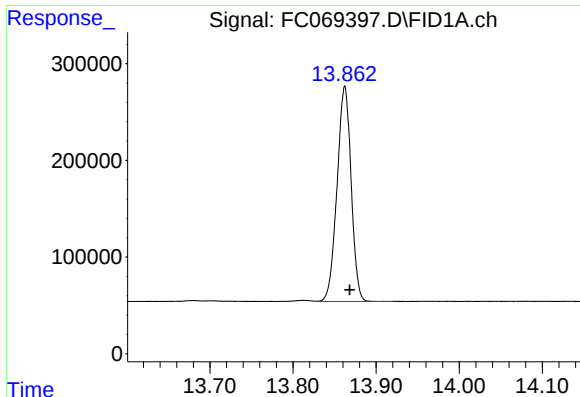
#11 n-Heneicosane (C21)

R.T.: 13.275 min
Delta R.T.: -0.006 min
Response: 2665588
Conc: 18.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.108 min
Delta R.T.: -0.006 min
Response: 2340842
Conc: 17.92 ug/ml



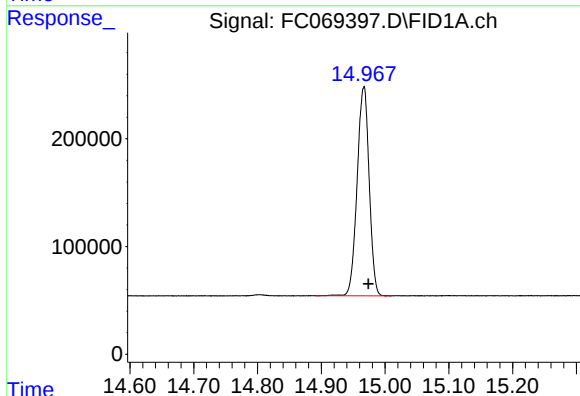
#13 n-Docosane (C22)

R.T.: 13.862 min
Delta R.T.: -0.006 min
Response: 2623512
Conc: 18.23 ug/ml

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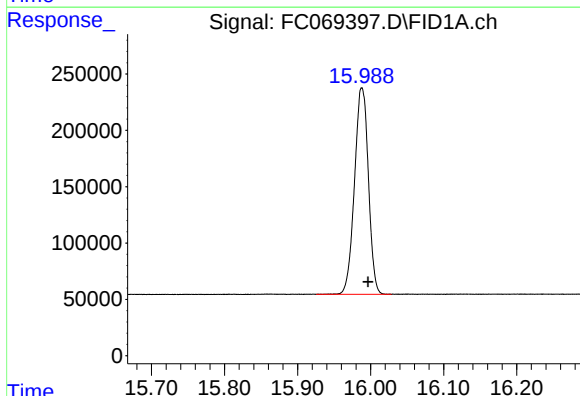
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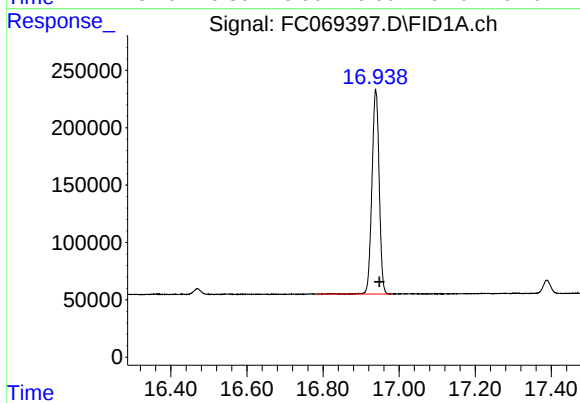
#14 n-Tetracosane (C24)

R.T.: 14.966 min
Delta R.T.: -0.007 min
Response: 2544314
Conc: 18.45 ug/ml



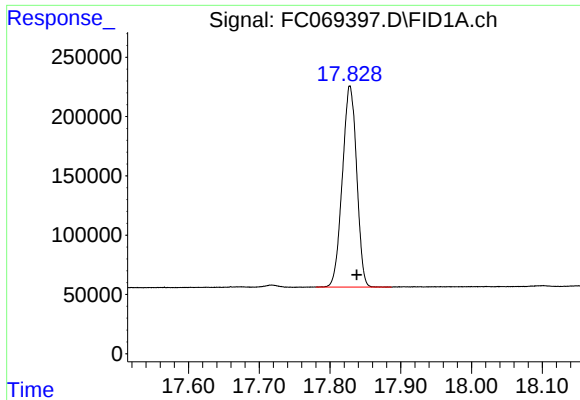
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: -0.008 min
Response: 2420960
Conc: 18.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.939 min
Delta R.T.: -0.010 min
Response: 2346425
Conc: 19.03 ug/ml



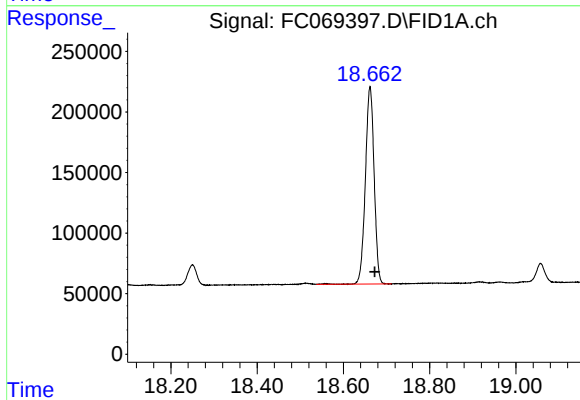
#17 n-Tricontane (C30)

R.T.: 17.828 min
Delta R.T.: -0.009 min
Response: 2385063
Conc: 20.06 ug/ml

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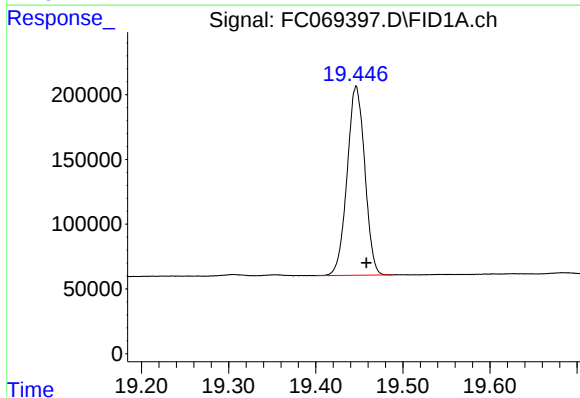
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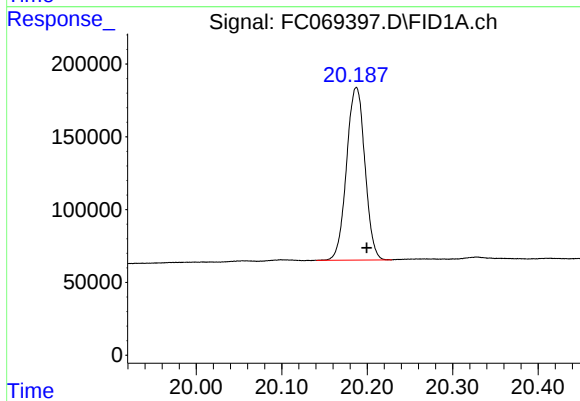
#18 n-Dotriacontane (C32)

R.T.: 18.662 min
Delta R.T.: -0.011 min
Response: 2292748
Conc: 20.97 ug/ml



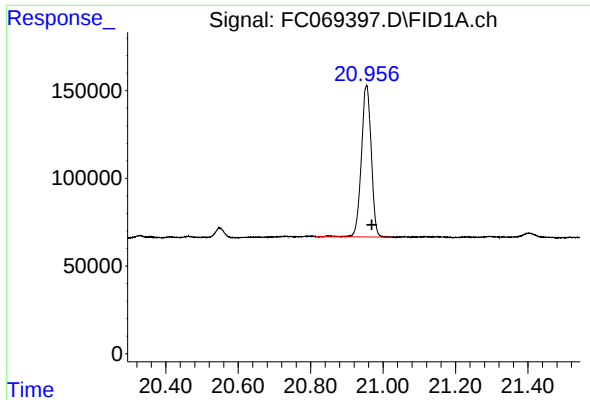
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: -0.012 min
Response: 2055442
Conc: 21.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.187 min
Delta R.T.: -0.012 min
Response: 1764195
Conc: 21.41 ug/ml



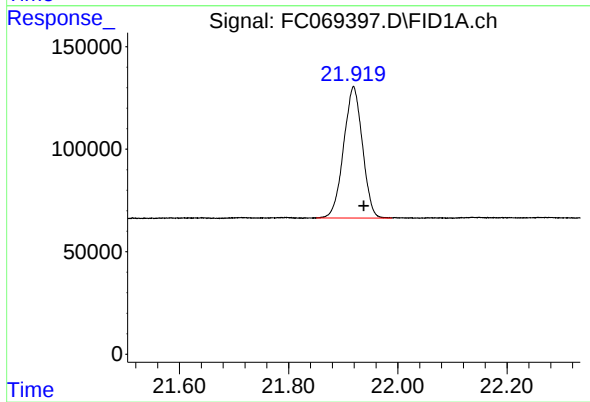
#21 n-Octatriacontane (C38)

R.T.: 20.954 min
Delta R.T.: -0.015 min
Response: 1630173
Conc: 21.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.919 min
Delta R.T.: -0.019 min
Response: 1531938
Conc: 21.63 ug/ml m