

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070825AL\
 Data File : FC069388.D
 Signal(s) : FID1A.ch
 Acq On : 08 Jul 2025 11:08
 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 04:43:24 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)	11.673	3074242	17.795 ug/ml
Spiked Amount 50.000		Recovery =	35.59%
12) S 1-chlorooctadecane (S...	13.108	2310997	17.690 ug/ml
Spiked Amount 50.000		Recovery =	35.38%
Target Compounds			
1) T n-Nonane (C9)	3.403	2777533	19.530 ug/ml
2) T n-Decane (C10)	4.477	2894220	19.770 ug/ml
3) T A~Naphthalene (C11.7)	6.072	3168007	19.690 ug/ml
4) T n-Dodecane (C12)	6.502	2944712	19.447 ug/ml
5) T A~2-methylnaphthalene...	7.131	3057308	19.320 ug/ml
6) T n-Tetradecane (C14)	8.301	2938936	18.960 ug/ml
7) T n-Hexadecane (C16)	9.905	2996902	18.339 ug/ml
8) T n-Octadecane (C18)	11.350	2946695	18.048 ug/ml
10) T n-Eicosane (C20)	12.662	2746543	17.994 ug/ml
11) T n-Heneicosane (C21)	13.275	2653318	18.002 ug/ml
13) T n-Docosane (C22)	13.861	2600831	18.076 ug/ml
14) T n-Tetracosane (C24)	14.967	2514938	18.233 ug/ml
15) T n-Hexacosane (C26)	15.989	2384142	18.238 ug/ml
16) T n-Octacosane (C28)	16.940	2296854	18.624 ug/ml
17) T n-Tricontane (C30)	17.829	2326306	19.568 ug/ml
18) T n-Dotriacontane (C32)	18.663	2224766	20.348 ug/mlm
19) T n-Tetratriacontane (C34)	19.448	1992677	20.635 ug/ml
20) T n-Hexatriacontane (C36)	20.190	1713756	20.795 ug/ml
21) T n-Octatriacontane (C38)	20.957	1552906	20.780 ug/ml
22) T n-Tetracontane (C40)	21.923	1458708	20.599 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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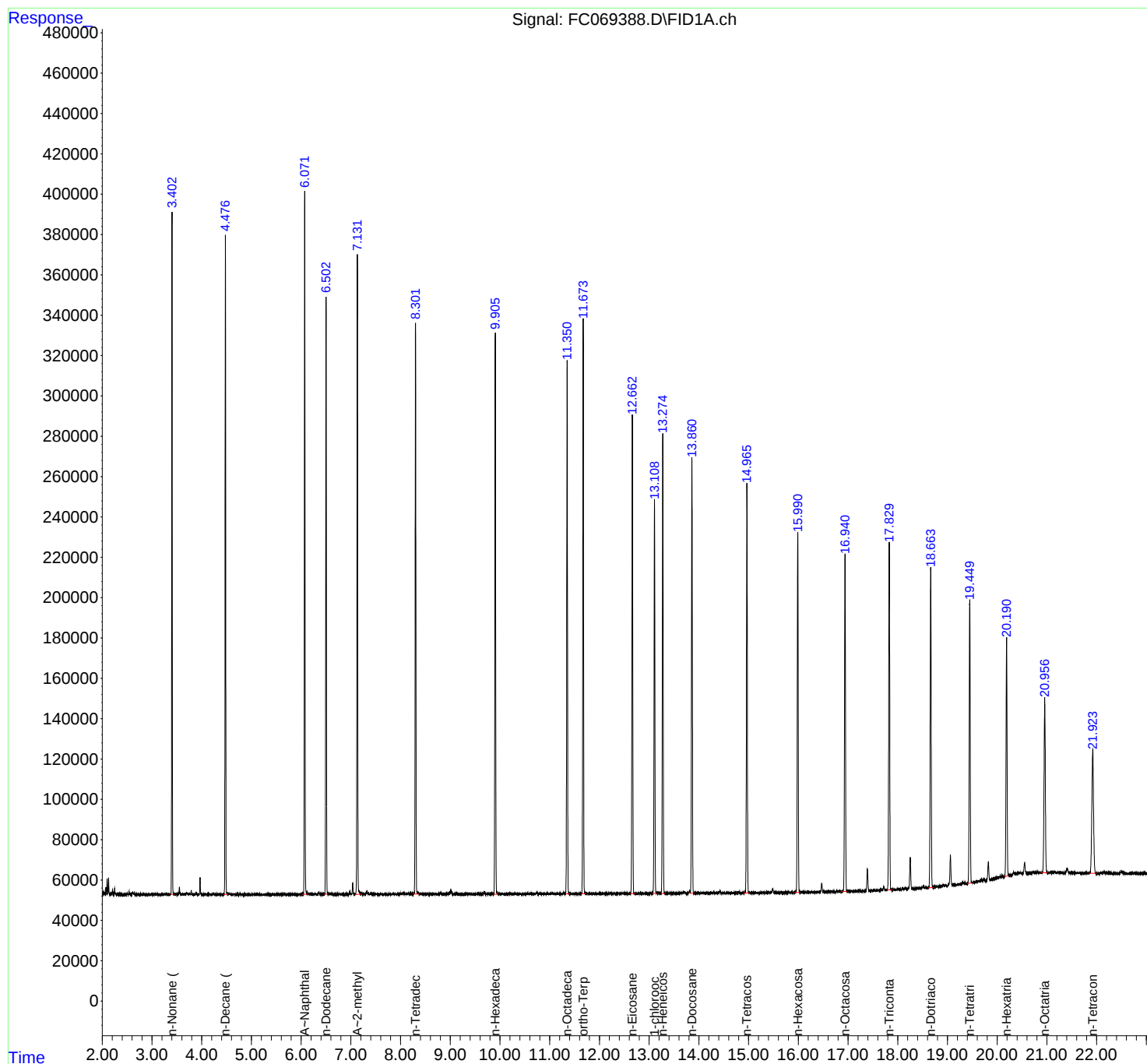
Instrument :
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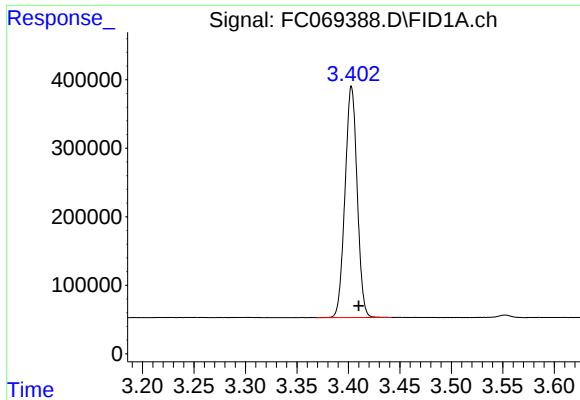
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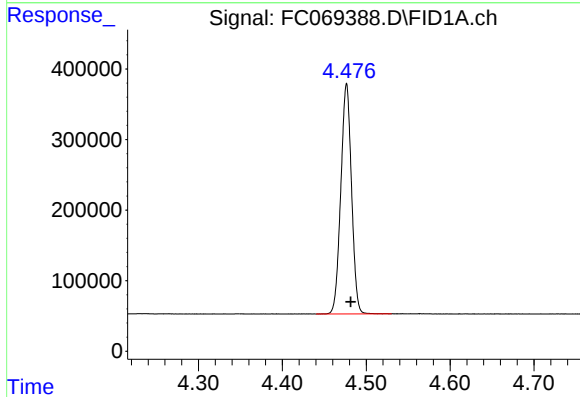
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.007 min
Response: 2777533
Conc: 19.53 ug/ml

Instrument :
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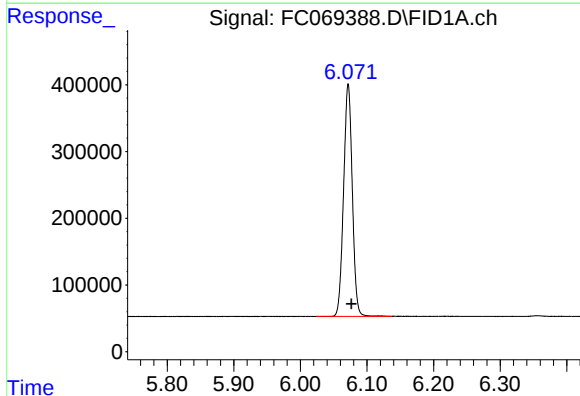
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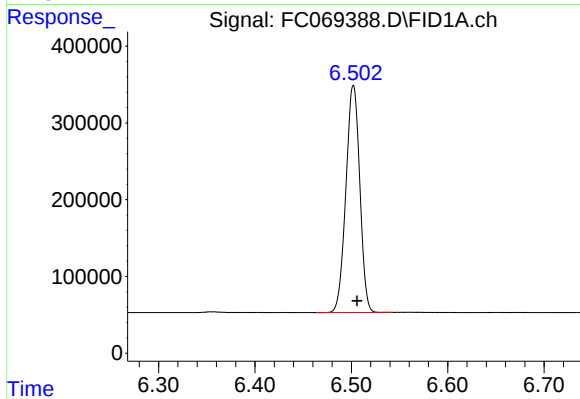
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.005 min
Response: 2894220
Conc: 19.77 ug/ml



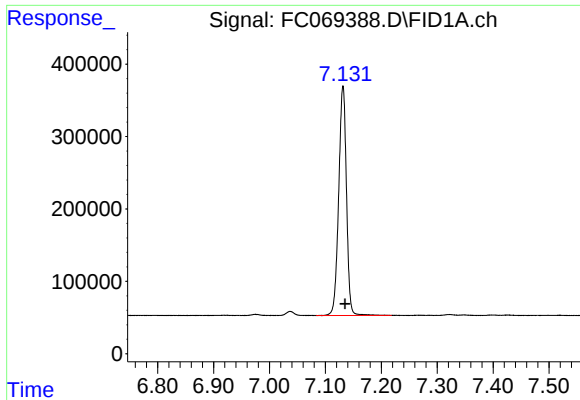
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.005 min
Response: 3168007
Conc: 19.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: -0.004 min
Response: 2944712
Conc: 19.45 ug/ml



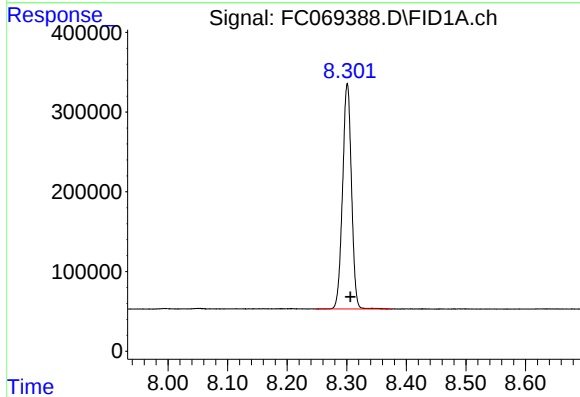
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: -0.004 min
Response: 3057308
Conc: 19.32 ug/ml

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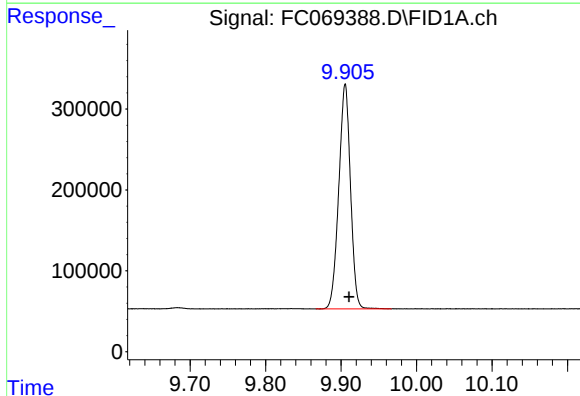
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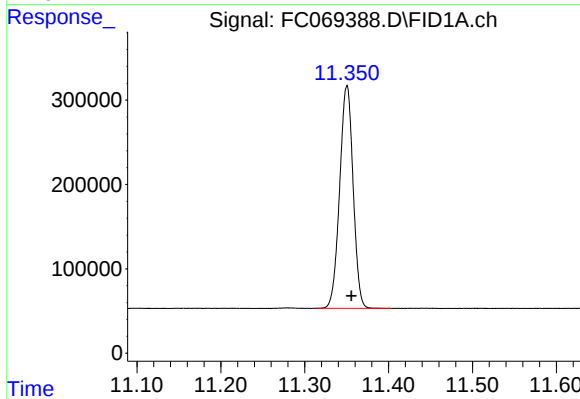
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: -0.005 min
Response: 2938936
Conc: 18.96 ug/ml



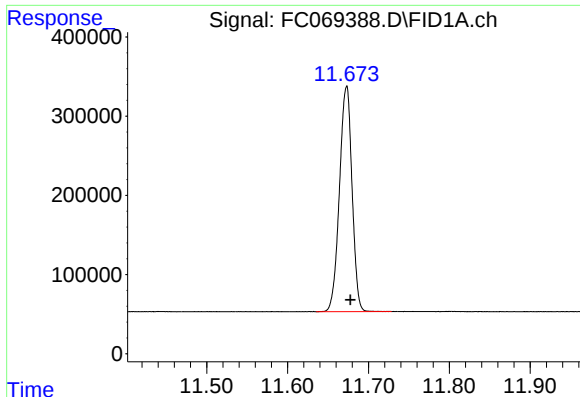
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: -0.005 min
Response: 2996902
Conc: 18.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.350 min
Delta R.T.: -0.005 min
Response: 2946695
Conc: 18.05 ug/ml



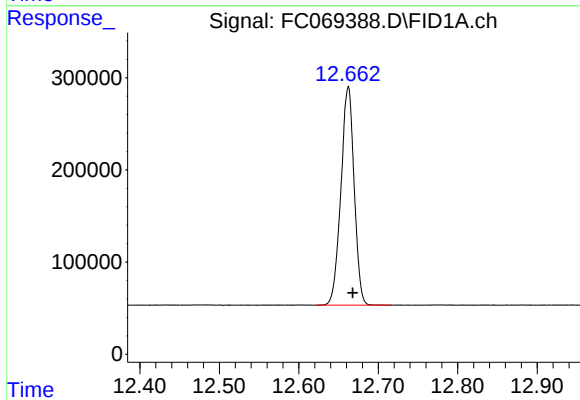
#9 ortho-Terphenyl (SURR)

R.T.: 11.673 min
Delta R.T.: -0.005 min
Response: 3074242
Conc: 17.80 ug/ml

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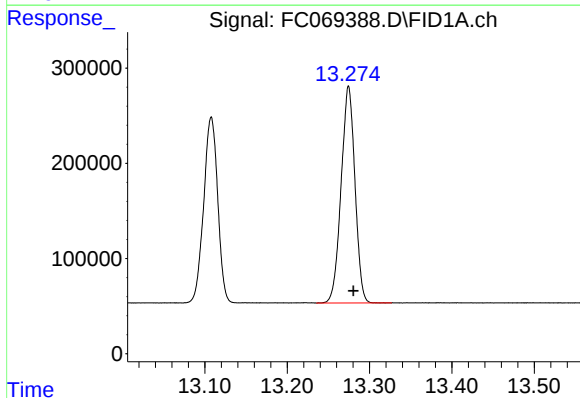
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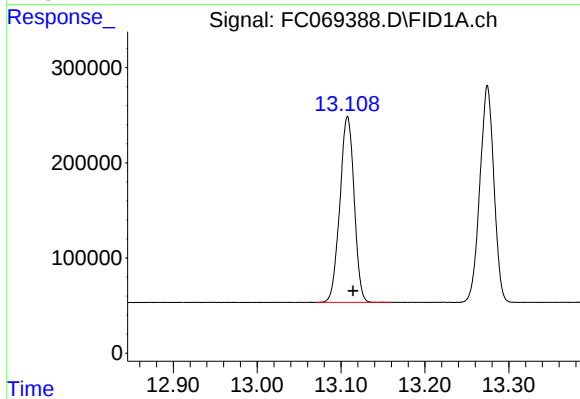
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: -0.006 min
Response: 2746543
Conc: 17.99 ug/ml



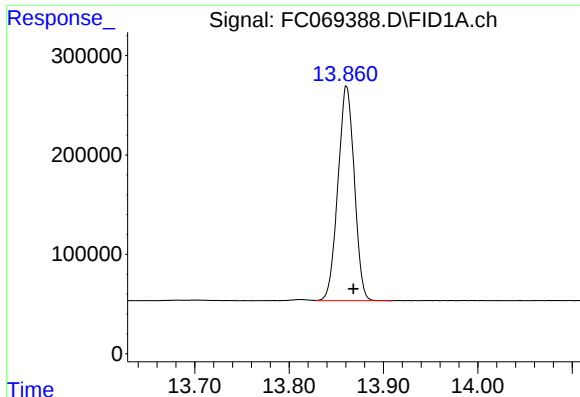
#11 n-Heneicosane (C21)

R.T.: 13.275 min
Delta R.T.: -0.006 min
Response: 2653318
Conc: 18.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.108 min
Delta R.T.: -0.007 min
Response: 2310997
Conc: 17.69 ug/ml



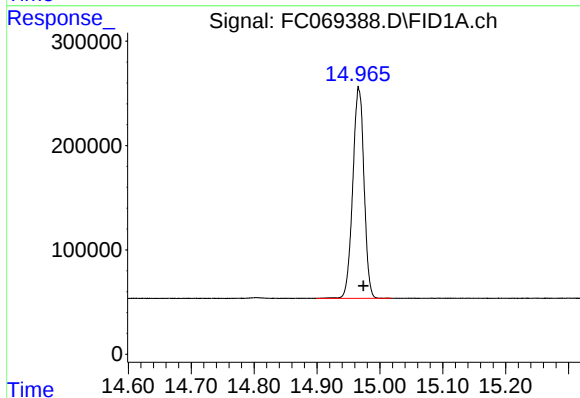
#13 n-Docosane (C22)

R.T.: 13.861 min
Delta R.T.: -0.007 min
Response: 2600831
Conc: 18.08 ug/ml

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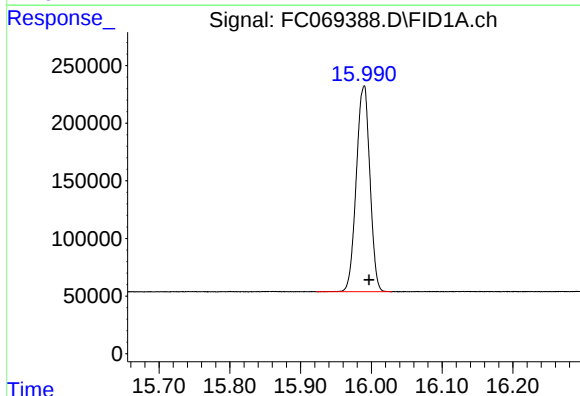
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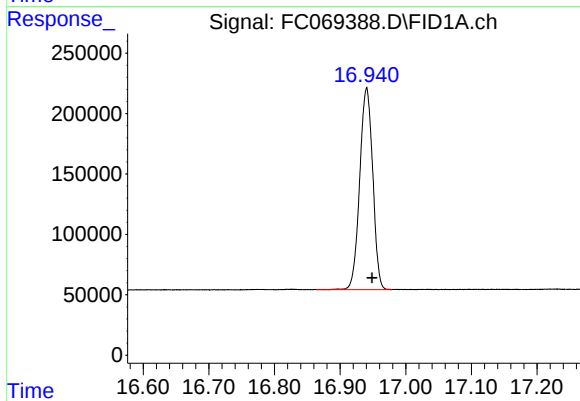
#14 n-Tetracosane (C24)

R.T.: 14.967 min
Delta R.T.: -0.007 min
Response: 2514938
Conc: 18.23 ug/ml



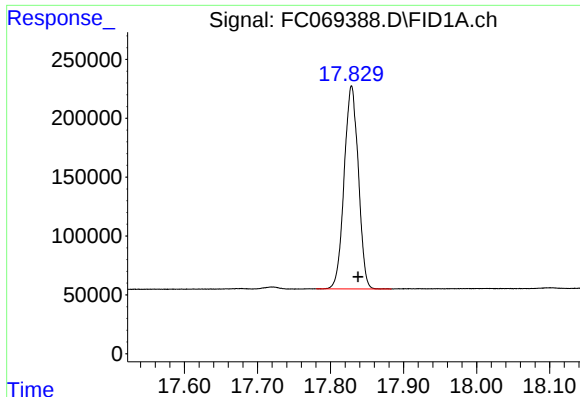
#15 n-Hexacosane (C26)

R.T.: 15.989 min
Delta R.T.: -0.007 min
Response: 2384142
Conc: 18.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.940 min
Delta R.T.: -0.008 min
Response: 2296854
Conc: 18.62 ug/ml



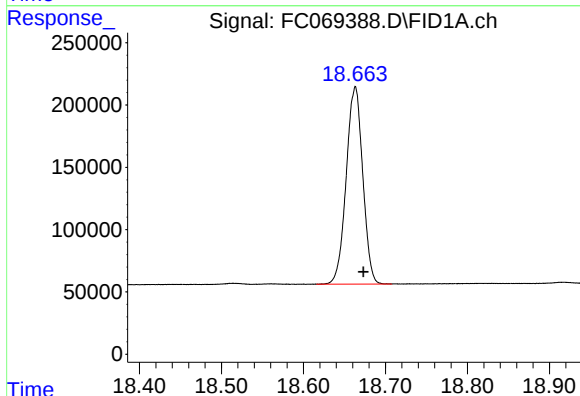
#17 n-Tricontane (C30)

R.T.: 17.829 min
Delta R.T.: -0.009 min
Response: 2326306
Conc: 19.57 ug/ml

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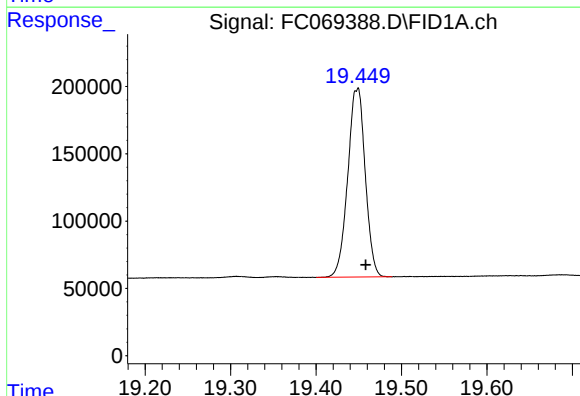
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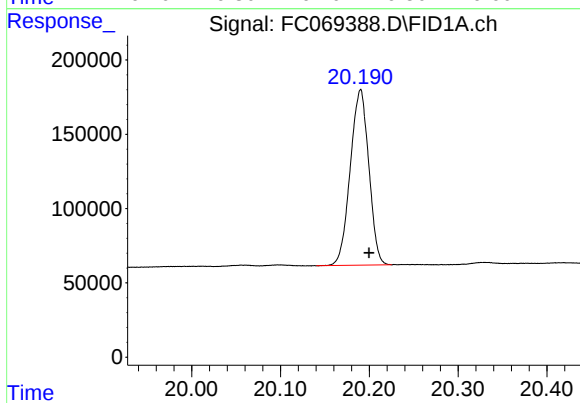
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: -0.010 min
Response: 2224766
Conc: 20.35 ug/ml m



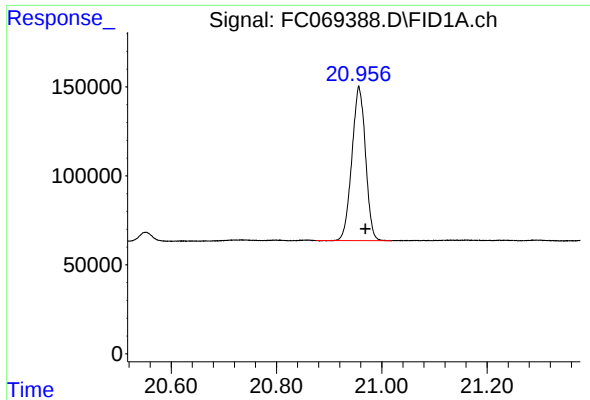
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min
Delta R.T.: -0.010 min
Response: 1992677
Conc: 20.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.190 min
Delta R.T.: -0.010 min
Response: 1713756
Conc: 20.79 ug/ml



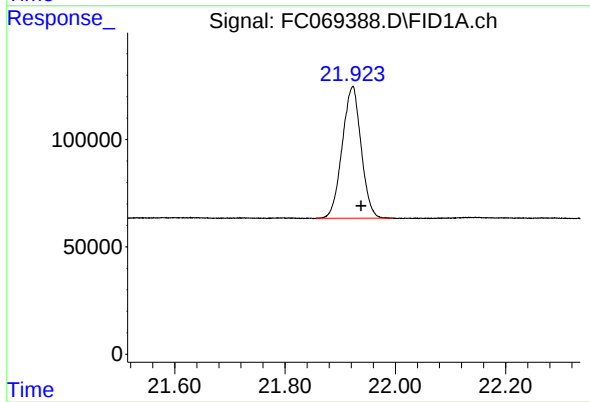
#21 n-Octatriacontane (C38)

R.T.: 20.957 min
Delta R.T.: -0.012 min
Response: 1552906
Conc: 20.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.923 min
Delta R.T.: -0.014 min
Response: 1458708
Conc: 20.60 ug/ml m