

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071425AL\
 Data File : FC069433.D
 Signal(s) : FID1A.ch
 Acq On : 14 Jul 2025 13:13
 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 07/15/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File: autoint1.e
 Quant Time: Jul 15 01:49:21 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)	11.670	3301746	19.112 ug/ml
Spiked Amount 50.000		Recovery =	38.22%
12) S 1-chlorooctadecane (S...	13.105	2476853	18.959 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
Target Compounds			
1) T n-Nonane (C9)	3.401	3006727	21.142 ug/ml
2) T n-Decane (C10)	4.474	3185276	21.758 ug/ml
3) T A~Naphthalene (C11.7)	6.069	3421588	21.266 ug/ml
4) T n-Dodecane (C12)	6.500	3282582	21.678 ug/ml
5) T A~2-methylnaphthalene...	7.128	3301101	20.860 ug/ml
6) T n-Tetradecane (C14)	8.299	3310506	21.357 ug/ml
7) T n-Hexadecane (C16)	9.904	3369361	20.618 ug/ml
8) T n-Octadecane (C18)	11.348	3281922	20.101 ug/ml
10) T n-Eicosane (C20)	12.659	3019974	19.785 ug/ml
11) T n-Heneicosane (C21)	13.272	2901480	19.685 ug/ml
13) T n-Docosane (C22)	13.859	2836195	19.712 ug/ml
14) T n-Tetracosane (C24)	14.963	2737599	19.848 ug/ml
15) T n-Hexacosane (C26)	15.985	2602307	19.907 ug/ml
16) T n-Octacosane (C28)	16.936	2564630	20.795 ug/ml
17) T n-Tricontane (C30)	17.825	2672441	22.479 ug/ml
18) T n-Dotriacontane (C32)	18.658	2613897	23.907 ug/mlm
19) T n-Tetratriacontane (C34)	19.444	2342845	24.262 ug/ml
20) T n-Hexatriacontane (C36)	20.183	1972828	23.938 ug/mlm
21) T n-Octatriacontane (C38)	20.948	1754801	23.482 ug/ml
22) T n-Tetracontane (C40)	21.912	1604614	22.659 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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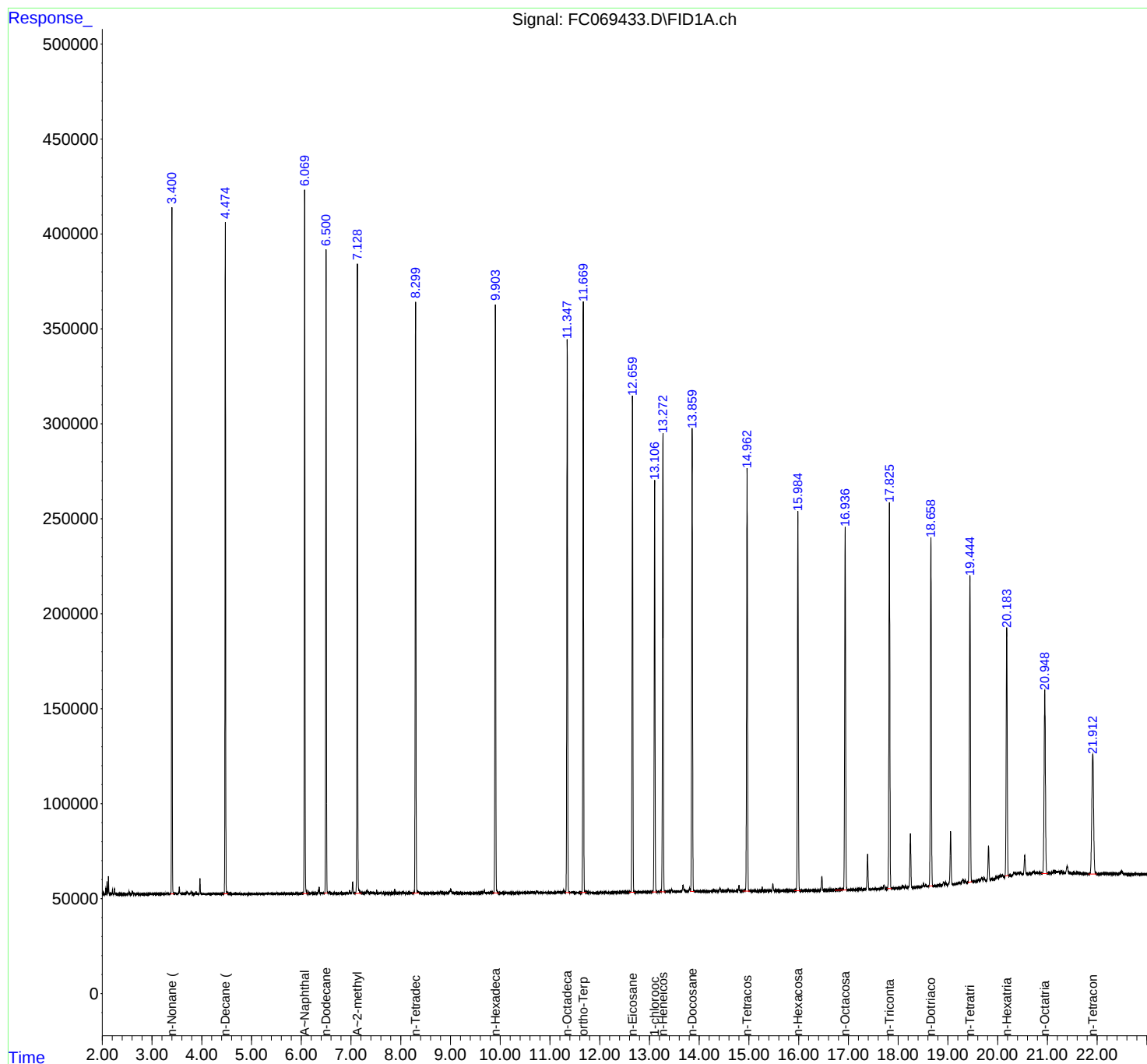
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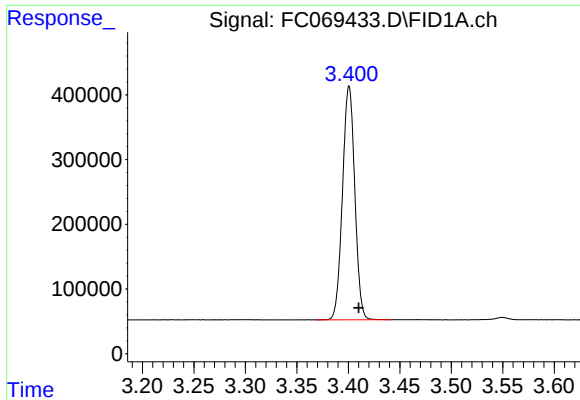
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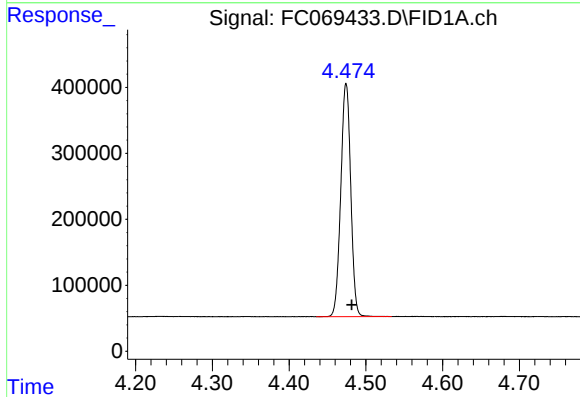
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.009 min
Response: 3006727
Conc: 21.14 ug/ml

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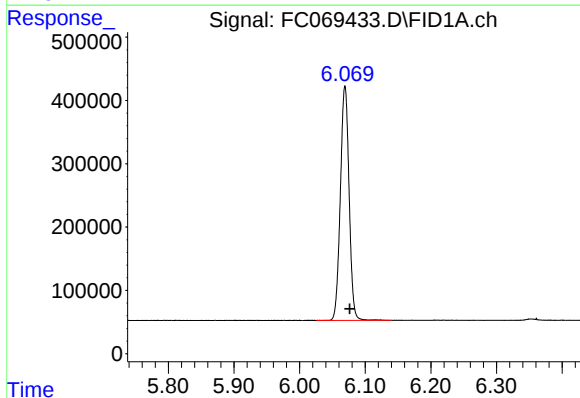
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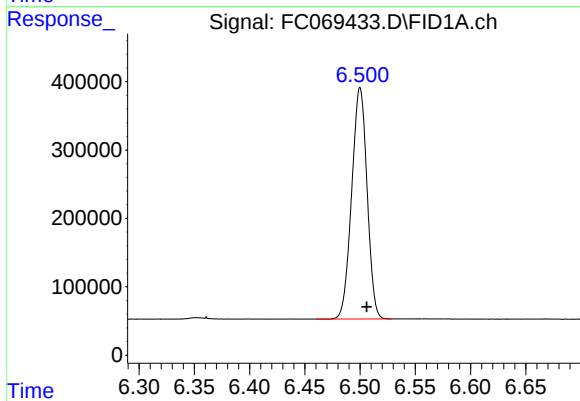
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.007 min
Response: 3185276
Conc: 21.76 ug/ml



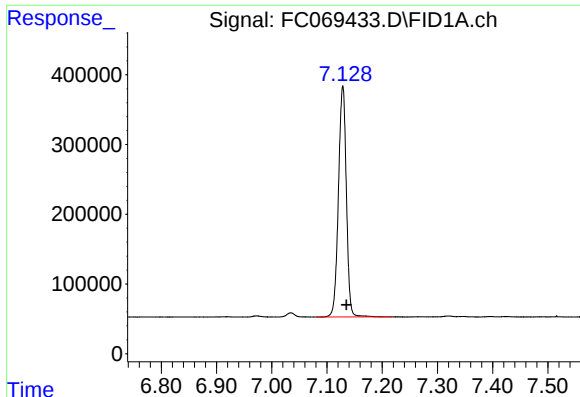
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: -0.007 min
Response: 3421588
Conc: 21.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.500 min
Delta R.T.: -0.006 min
Response: 3282582
Conc: 21.68 ug/ml



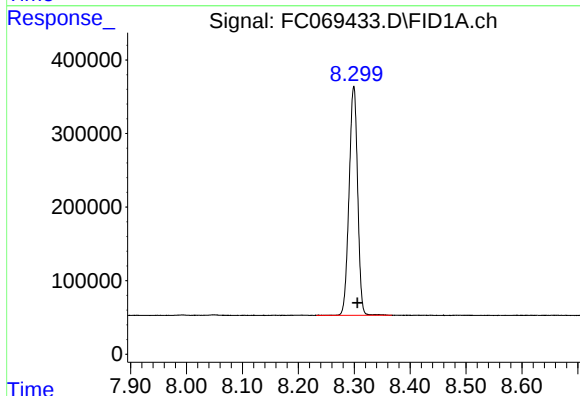
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.128 min
Delta R.T.: -0.007 min
Response: 3301101
Conc: 20.86 ug/ml

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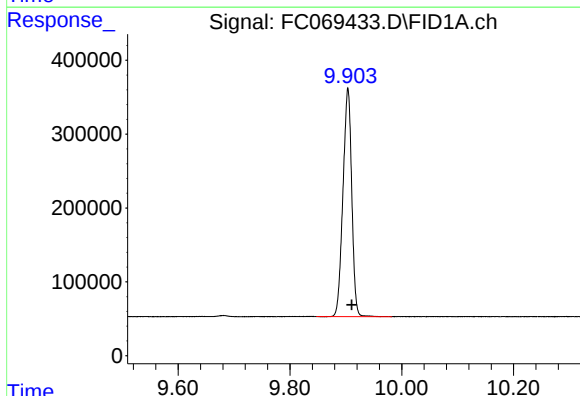
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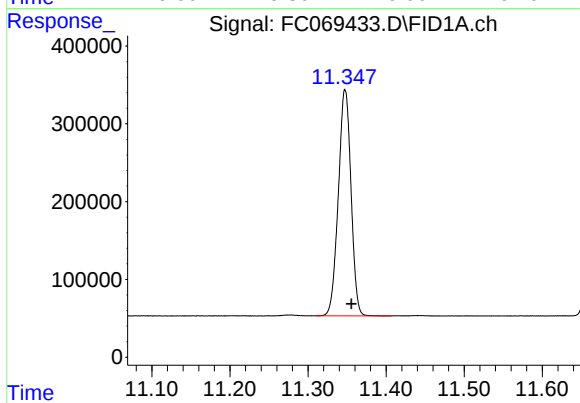
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: -0.007 min
Response: 3310506
Conc: 21.36 ug/ml



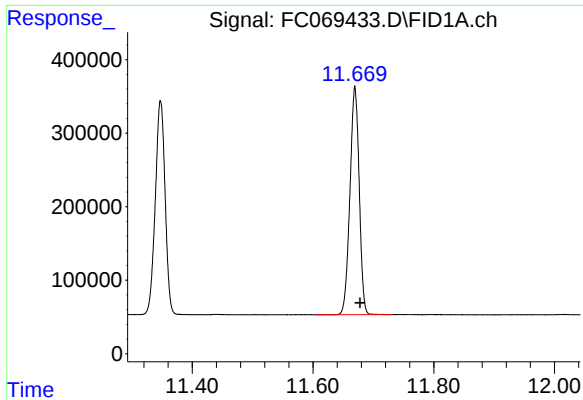
#7 n-Hexadecane (C16)

R.T.: 9.904 min
Delta R.T.: -0.007 min
Response: 3369361
Conc: 20.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.348 min
Delta R.T.: -0.008 min
Response: 3281922
Conc: 20.10 ug/ml



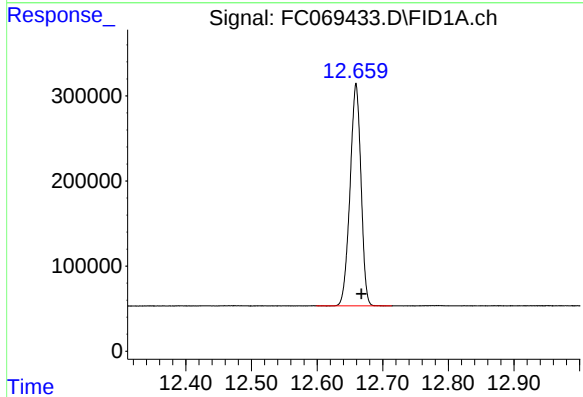
#9 ortho-Terphenyl (SURR)

R.T.: 11.670 min
Delta R.T.: -0.008 min
Response: 3301746
Conc: 19.11 ug/ml

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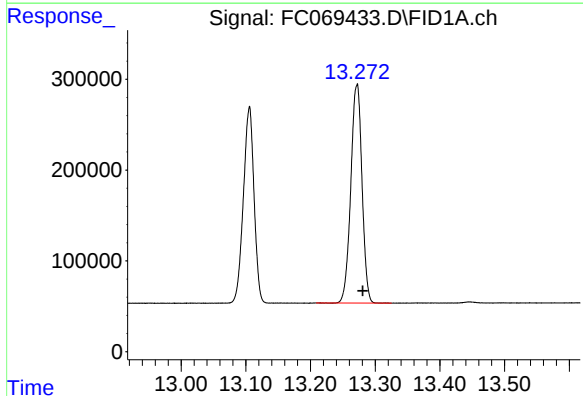
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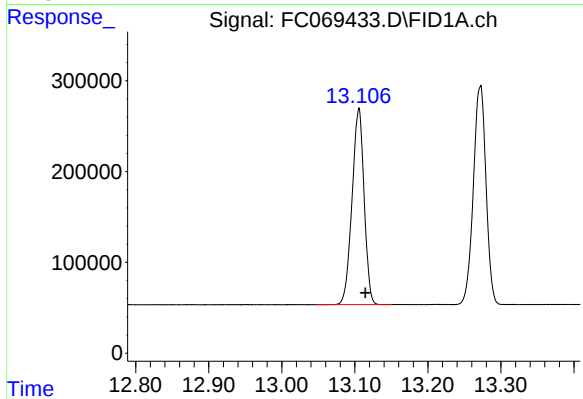
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: -0.008 min
Response: 3019974
Conc: 19.79 ug/ml



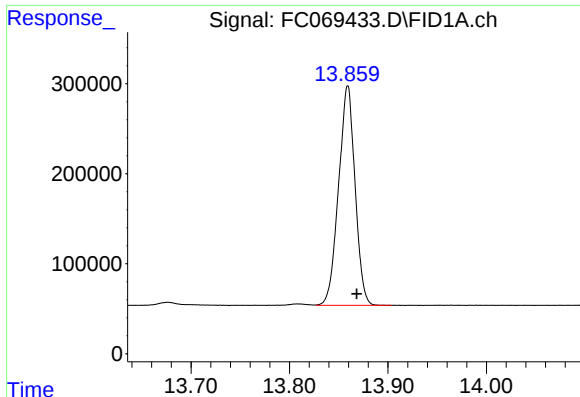
#11 n-Heneicosane (C21)

R.T.: 13.272 min
Delta R.T.: -0.009 min
Response: 2901480
Conc: 19.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.105 min
Delta R.T.: -0.009 min
Response: 2476853
Conc: 18.96 ug/ml



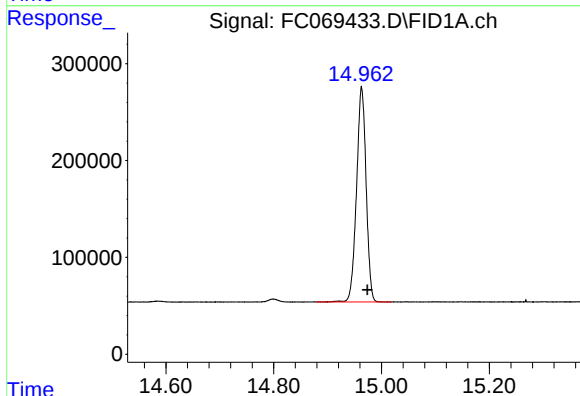
#13 n-Docosane (C22)

R.T.: 13.859 min
Delta R.T.: -0.009 min
Response: 2836195
Conc: 19.71 ug/ml

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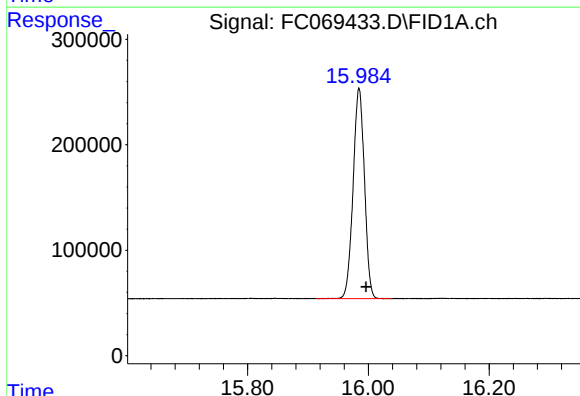
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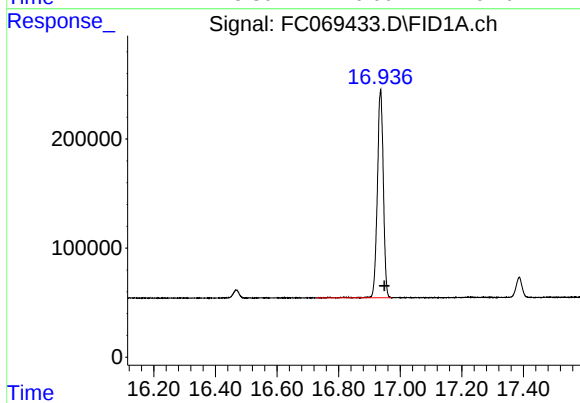
#14 n-Tetracosane (C24)

R.T.: 14.963 min
Delta R.T.: -0.010 min
Response: 2737599
Conc: 19.85 ug/ml



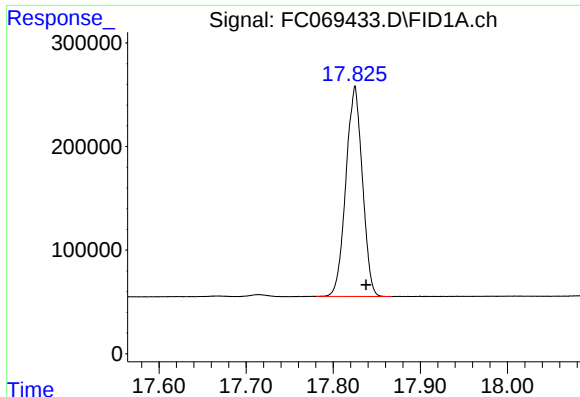
#15 n-Hexacosane (C26)

R.T.: 15.985 min
Delta R.T.: -0.012 min
Response: 2602307
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.936 min
Delta R.T.: -0.013 min
Response: 2564630
Conc: 20.80 ug/ml



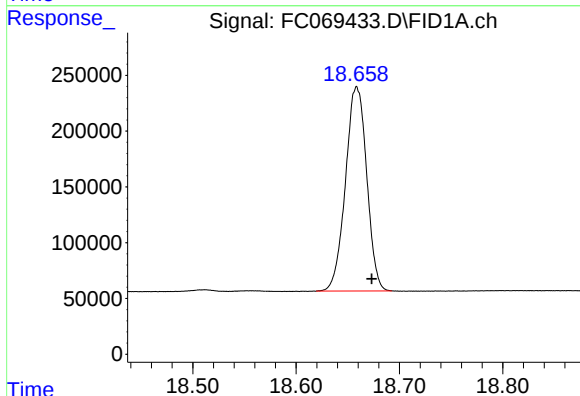
#17 n-Tricontane (C30)

R.T.: 17.825 min
Delta R.T.: -0.013 min
Response: 2672441
Conc: 22.48 ug/ml

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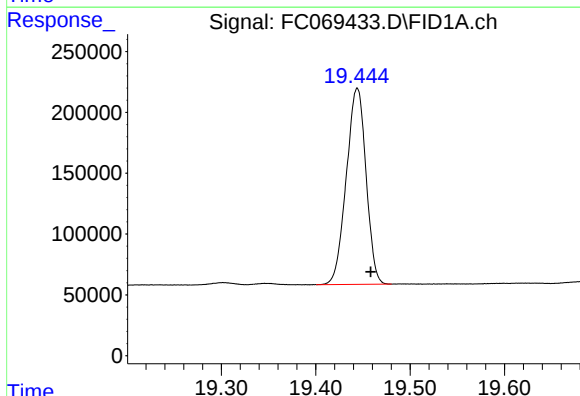
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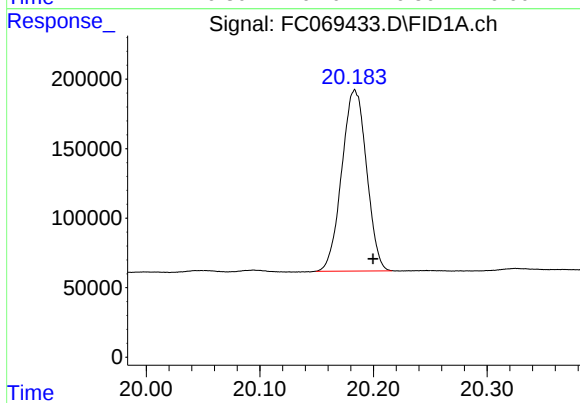
#18 n-Dotriacontane (C32)

R.T.: 18.658 min
Delta R.T.: -0.015 min
Response: 2613897
Conc: 23.91 ug/ml m



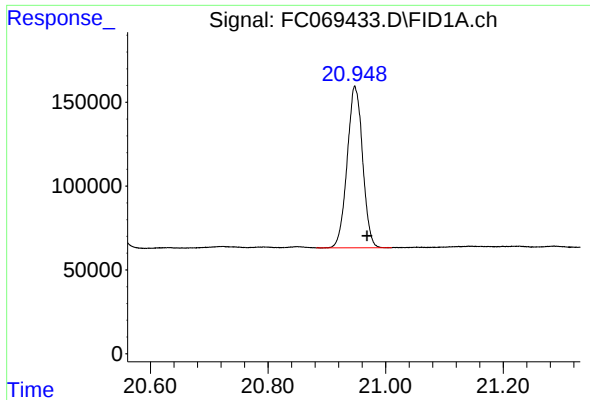
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: -0.014 min
Response: 2342845
Conc: 24.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.183 min
Delta R.T.: -0.016 min
Response: 1972828
Conc: 23.94 ug/ml m



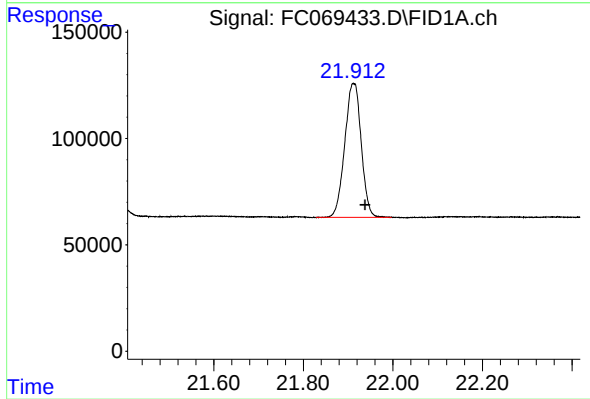
#21 n-Octatriacontane (C38)

R.T.: 20.948 min
Delta R.T.: -0.021 min
Response: 1754801
Conc: 23.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.912 min
Delta R.T.: -0.026 min
Response: 1604614
Conc: 22.66 ug/ml m