

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100225AL\
 Data File : FC069894.D
 Signal(s) : FID1A.ch
 Acq On : 01 Oct 2025 10:24
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File: autoint1.e
 Quant Time: Oct 01 16:13:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M
 Quant Title : GC Extractables
 Qlast Update : Tue Sep 23 14:56:40 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)	11.643	3579984	19.114 ug/ml
Spiked Amount 50.000		Recovery =	38.23%
12) S 1-chlorooctadecane (S...	13.078	2809520	17.791 ug/ml
Spiked Amount 50.000		Recovery =	35.58%
Target Compounds			
1) T n-Nonane (C9)	3.385	2347334	18.311 ug/ml
2) T n-Decane (C10)	4.456	2715993	20.440 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3061173	20.621 ug/ml
4) T n-Dodecane (C12)	6.478	2941246	21.085 ug/ml
5) T A~2-methylnaphthalene...	7.107	3089165	20.923 ug/ml
6) T n-Tetradecane (C14)	8.275	3110537	20.972 ug/ml
7) T n-Hexadecane (C16)	9.878	3361161	20.367 ug/ml
8) T n-Octadecane (C18)	11.322	3461722	19.424 ug/ml
10) T n-Eicosane (C20)	12.633	3296235	18.301 ug/ml
11) T n-Heneicosane (C21)	13.245	3203601	17.767 ug/ml
13) T n-Docosane (C22)	13.832	3195454	17.589 ug/ml
14) T n-Tetracosane (C24)	14.936	3182958	17.298 ug/ml
15) T n-Hexacosane (C26)	15.958	3076973	16.947 ug/ml
16) T n-Octacosane (C28)	16.908	3062914	17.351 ug/ml
17) T n-Tricontane (C30)	17.796	3309251	18.907 ug/ml
18) T n-Dotriacontane (C32)	18.630	3249375	20.085 ug/mlm
19) T n-Tetratriacontane (C34)	19.412	2775332	19.859 ug/ml
20) T n-Hexatriacontane (C36)	20.152	2018775	17.881 ug/ml
21) T n-Octatriacontane (C38)	20.909	1577006	16.348 ug/mlm
22) T n-Tetracontane (C40)	21.860	1364593	15.844 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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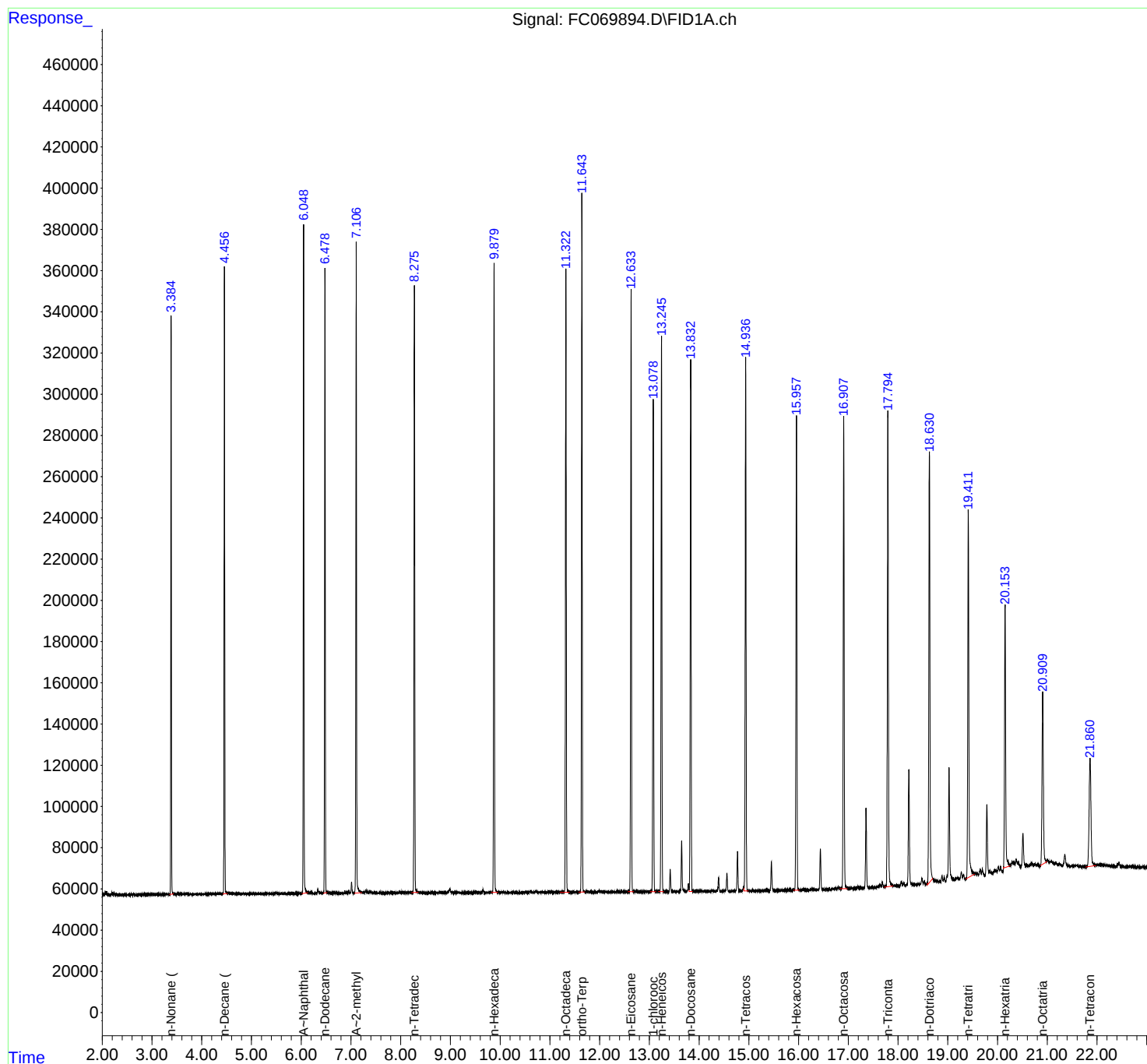
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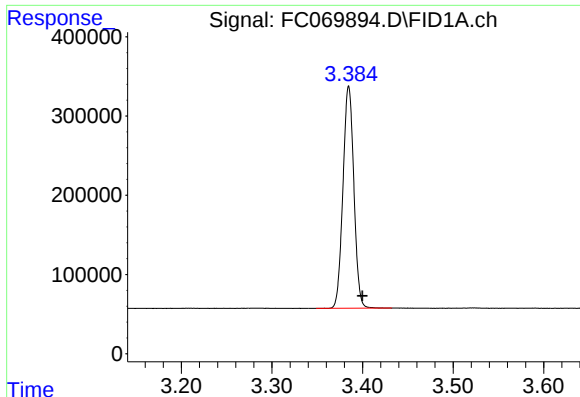
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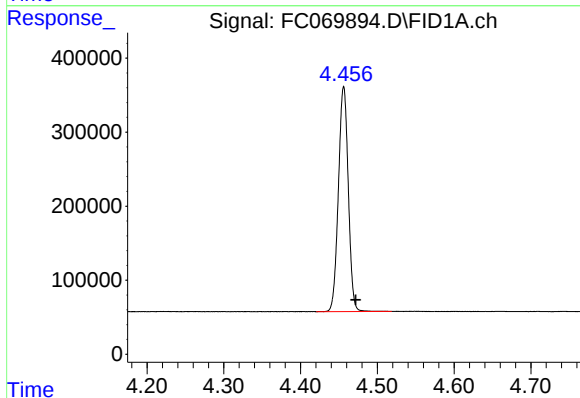
#1 n-Nonane (C9)

R.T.: 3.385 min
Delta R.T.: -0.015 min
Response: 2347334
Conc: 18.31 ug/ml

Instrument : FID_C
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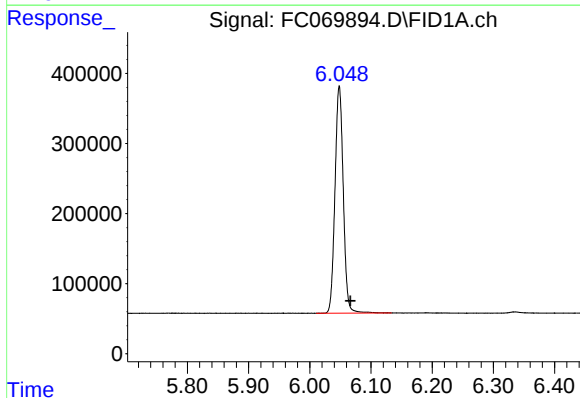
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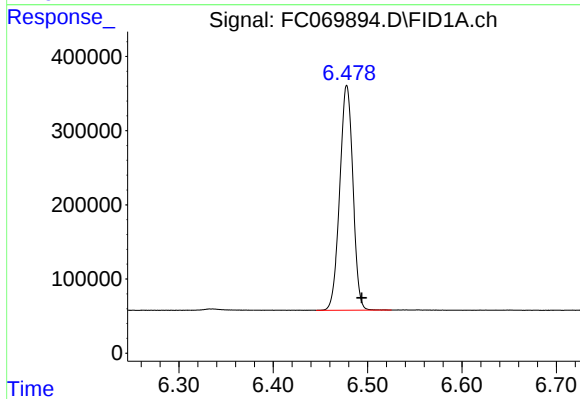
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.016 min
Response: 2715993
Conc: 20.44 ug/ml



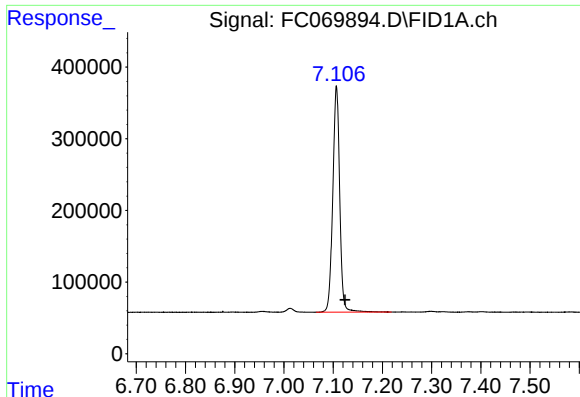
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: -0.018 min
Response: 3061173
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.478 min
Delta R.T.: -0.016 min
Response: 2941246
Conc: 21.08 ug/ml



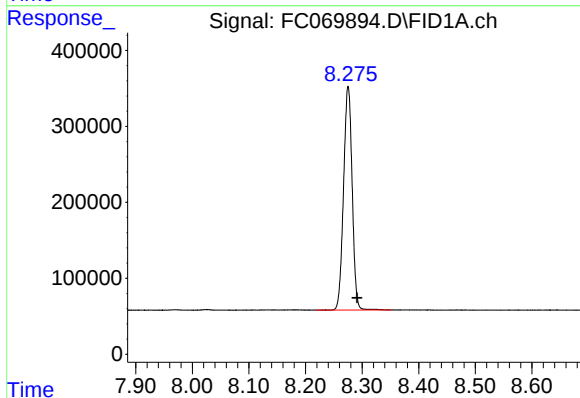
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: -0.017 min
Response: 3089165
Conc: 20.92 ug/ml

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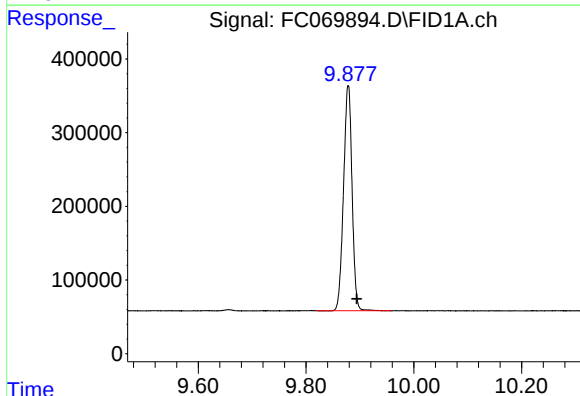
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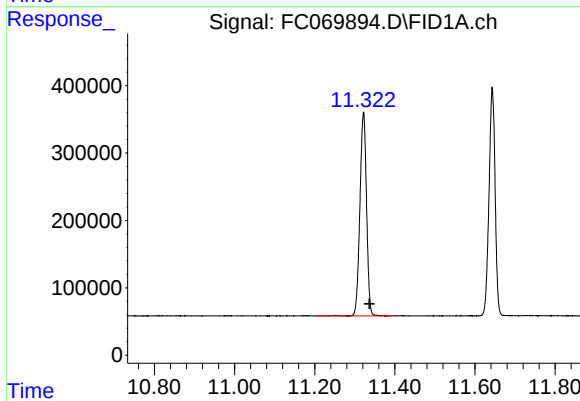
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: -0.015 min
Response: 3110537
Conc: 20.97 ug/ml



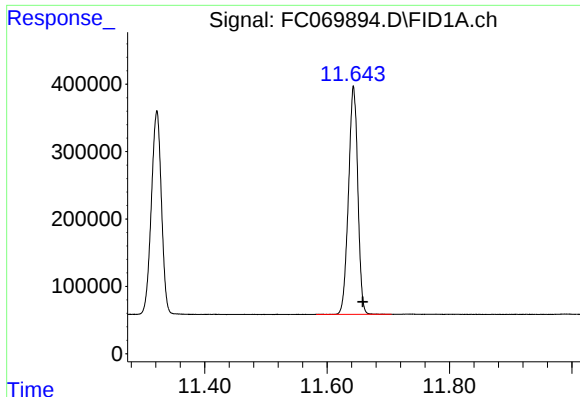
#7 n-Hexadecane (C16)

R.T.: 9.878 min
Delta R.T.: -0.016 min
Response: 3361161
Conc: 20.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: -0.015 min
Response: 3461722
Conc: 19.42 ug/ml



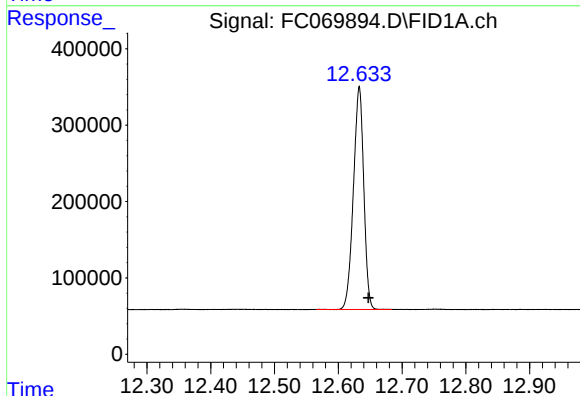
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min
Delta R.T.: -0.015 min
Response: 3579984
Conc: 19.11 ug/ml

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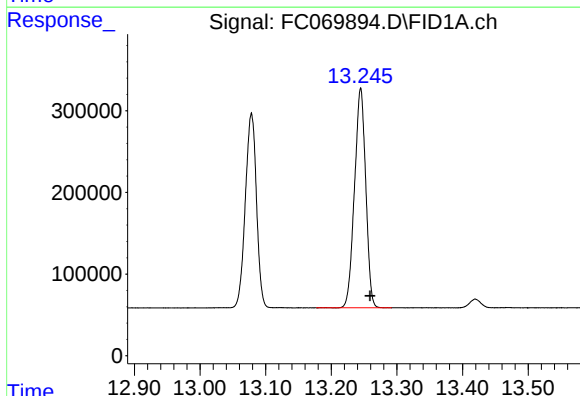
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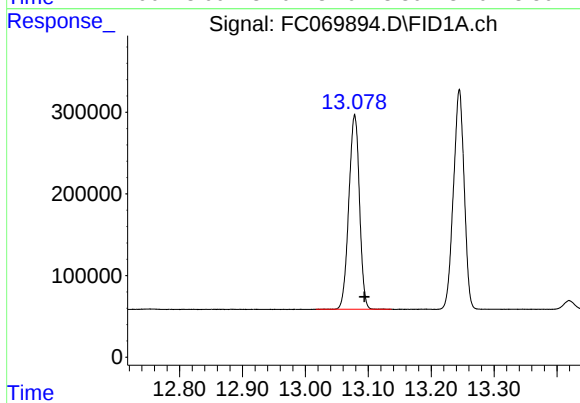
#10 n-Eicosane (C20)

R.T.: 12.633 min
Delta R.T.: -0.015 min
Response: 3296235
Conc: 18.30 ug/ml



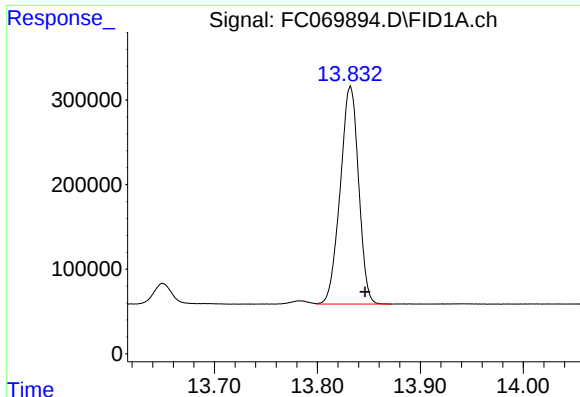
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: -0.015 min
Response: 3203601
Conc: 17.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min
Delta R.T.: -0.015 min
Response: 2809520
Conc: 17.79 ug/ml



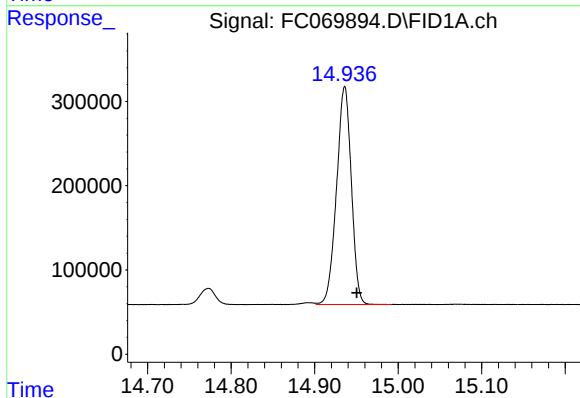
#13 n-Docosane (C22)

R.T.: 13.832 min
Delta R.T.: -0.014 min
Response: 3195454
Conc: 17.59 ug/ml

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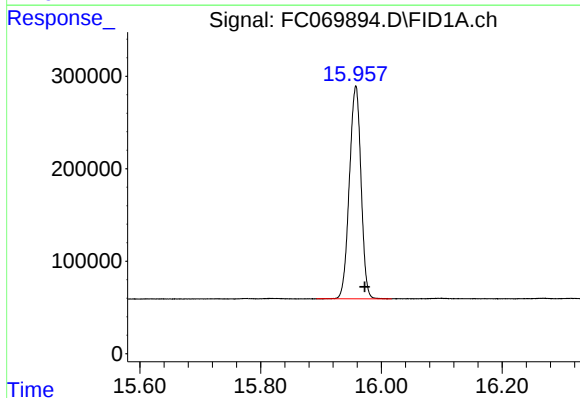
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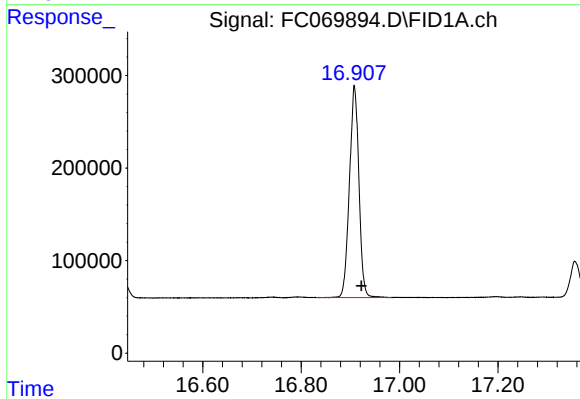
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: -0.014 min
Response: 3182958
Conc: 17.30 ug/ml



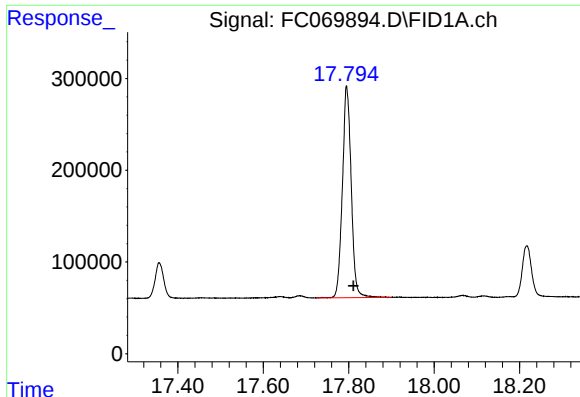
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: -0.015 min
Response: 3076973
Conc: 16.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min
Delta R.T.: -0.014 min
Response: 3062914
Conc: 17.35 ug/ml



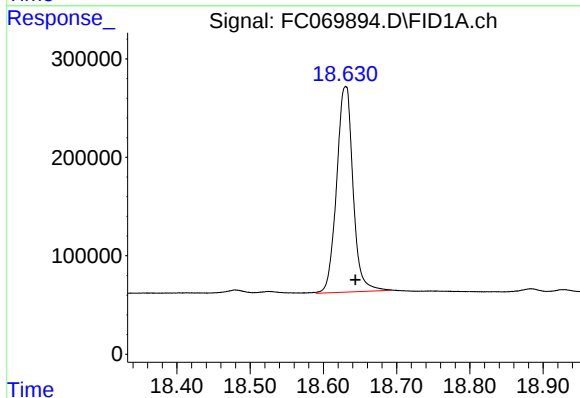
#17 n-Tricontane (C30)

R.T.: 17.796 min
Delta R.T.: -0.015 min
Response: 3309251
Conc: 18.91 ug/ml

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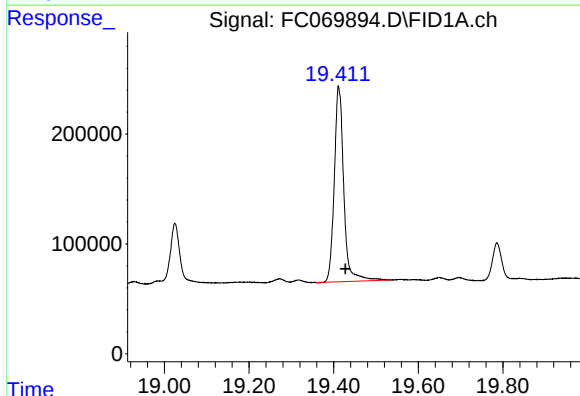
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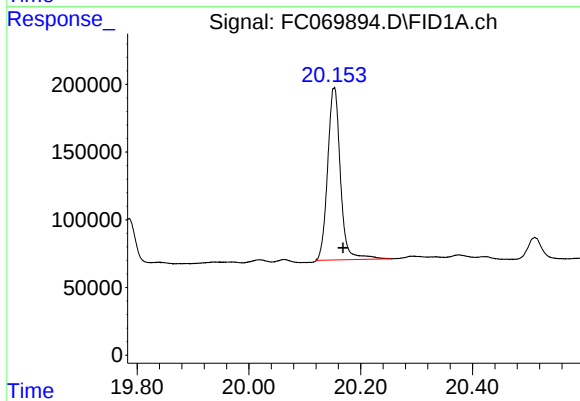
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: -0.014 min
Response: 3249375
Conc: 20.08 ug/ml m



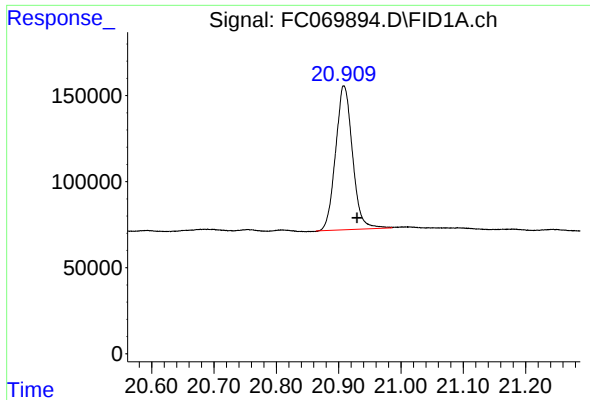
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min
Delta R.T.: -0.016 min
Response: 2775332
Conc: 19.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.152 min
Delta R.T.: -0.016 min
Response: 2018775
Conc: 17.88 ug/ml



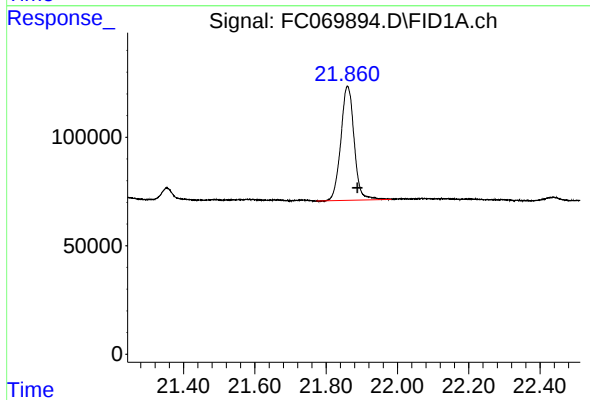
#21 n-Octatriacontane (C38)

R.T.: 20.909 min
Delta R.T.: -0.021 min
Response: 1577006
Conc: 16.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.860 min
Delta R.T.: -0.028 min
Response: 1364593
Conc: 15.84 ug/ml