

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062525AL\
 Data File : FC069286.D
 Signal(s) : FID1A.ch
 Acq On : 25 Jun 2025 17:18
 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 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e
 Quant Time: Jun 26 05:18:48 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)	11.677	3639159	21.065 ug/ml
Spiked Amount 50.000		Recovery =	42.13%
12) S 1-chlorooctadecane (S...	13.112	2760807	21.133 ug/ml
Spiked Amount 50.000		Recovery =	42.27%
Target Compounds			
1) T n-Nonane (C9)	3.407	2872280	20.196 ug/ml
2) T n-Decane (C10)	4.480	2997377	20.475 ug/ml
3) T A~Naphthalene (C11.7)	6.074	3305048	20.542 ug/ml
4) T n-Dodecane (C12)	6.505	3126430	20.647 ug/ml
5) T A~2-methylnaphthalene...	7.134	3339375	21.102 ug/ml
6) T n-Tetradecane (C14)	8.304	3215017	20.741 ug/ml
7) T n-Hexadecane (C16)	9.909	3258744	19.941 ug/ml
8) T n-Octadecane (C18)	11.354	3195761	19.573 ug/ml
10) T n-Eicosane (C20)	12.666	3043168	19.937 ug/ml
11) T n-Heneicosane (C21)	13.279	2960451	20.085 ug/ml
13) T n-Docosane (C22)	13.866	2896661	20.132 ug/ml
14) T n-Tetracosane (C24)	14.971	2795423	20.267 ug/ml
15) T n-Hexacosane (C26)	15.994	2680095	20.502 ug/ml
16) T n-Octacosane (C28)	16.945	2644055	21.439 ug/ml
17) T n-Tricontane (C30)	17.836	2767737	23.281 ug/ml
18) T n-Dotriacontane (C32)	18.669	2739507	25.056 ug/ml
19) T n-Tetratriacontane (C34)	19.454	2402067	24.875 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1928106	23.396 ug/ml
21) T n-Octatriacontane (C38)	20.962	1404161	18.790 ug/ml
22) T n-Tetracontane (C40)	21.926	1120559	15.824 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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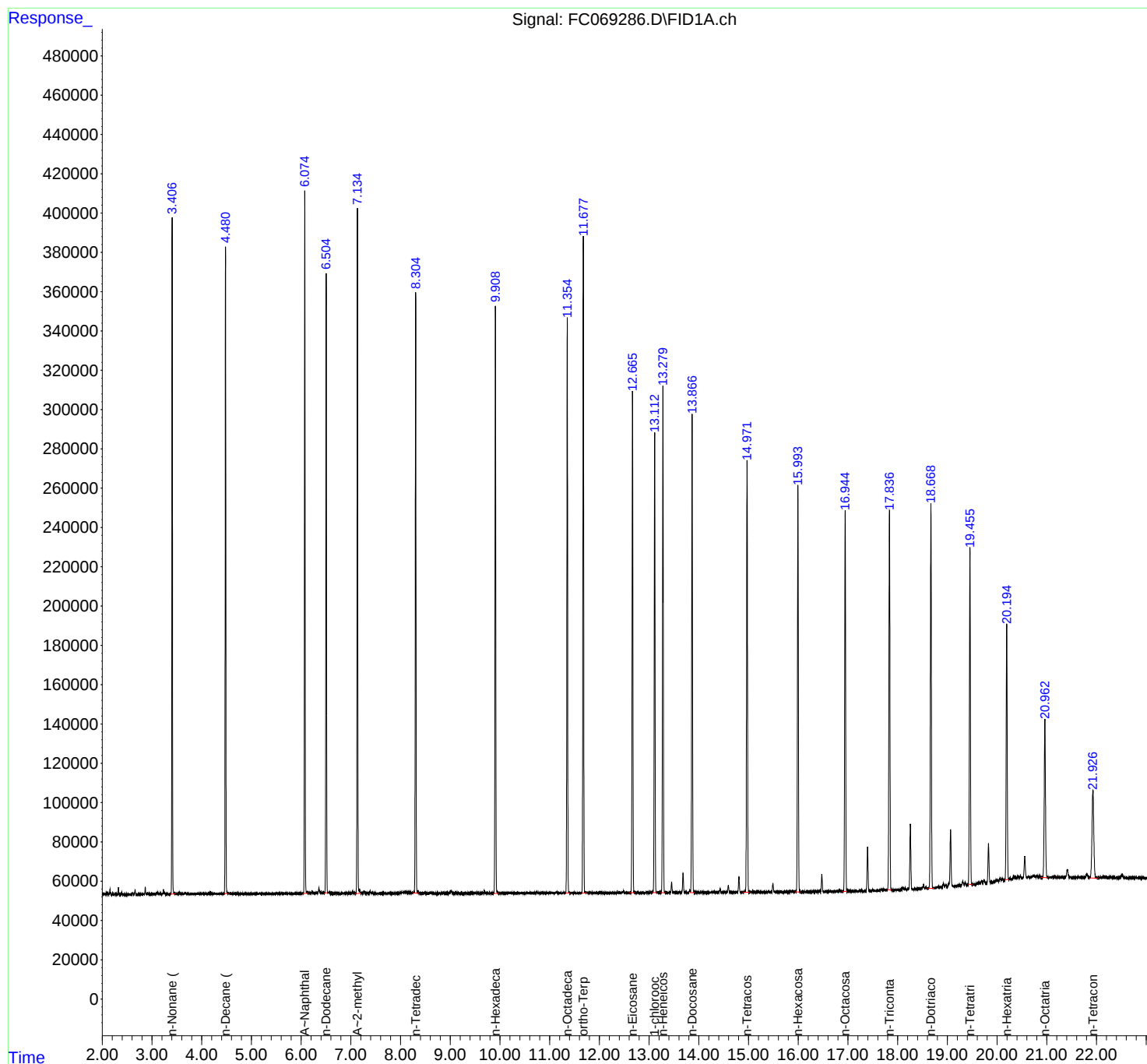
Instrument :
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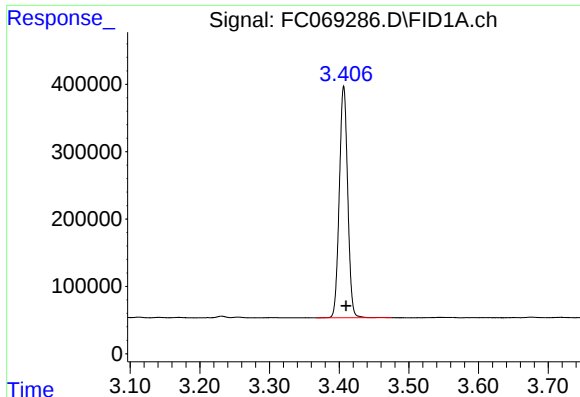
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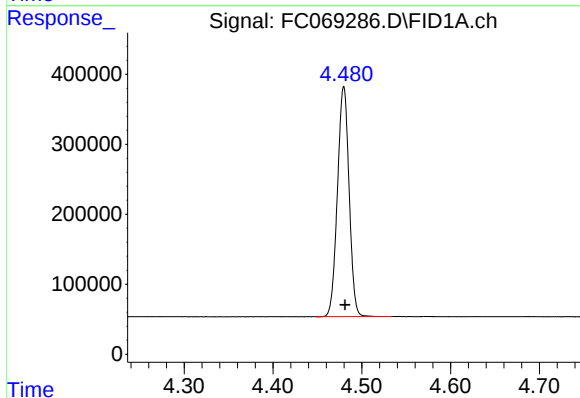
#1 n-Nonane (C9)

R.T.: 3.407 min
Delta R.T.: -0.003 min
Response: 2872280
Conc: 20.20 ug/ml

Instrument :
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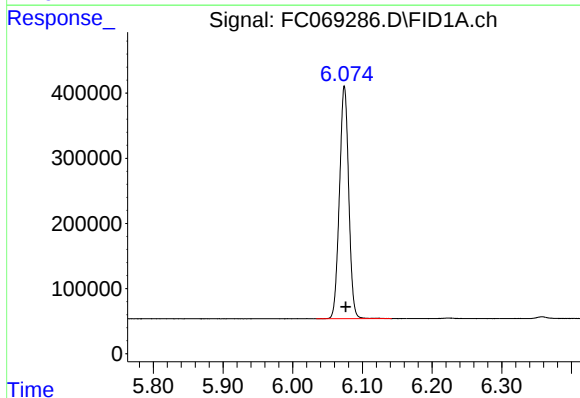
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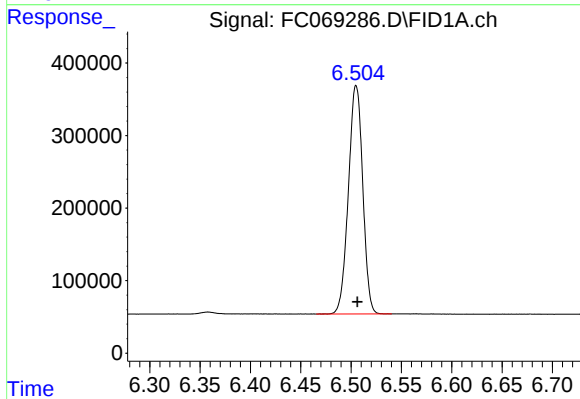
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.002 min
Response: 2997377
Conc: 20.47 ug/ml



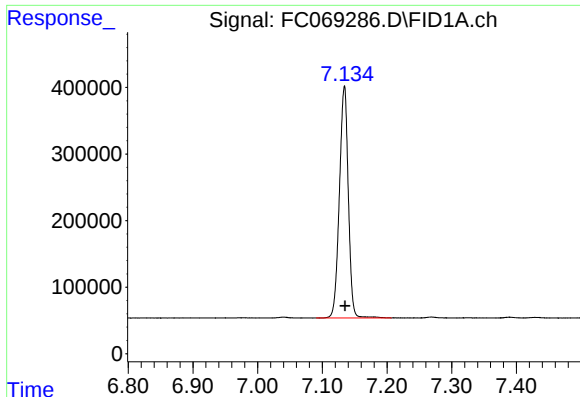
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 3305048
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.001 min
Response: 3126430
Conc: 20.65 ug/ml



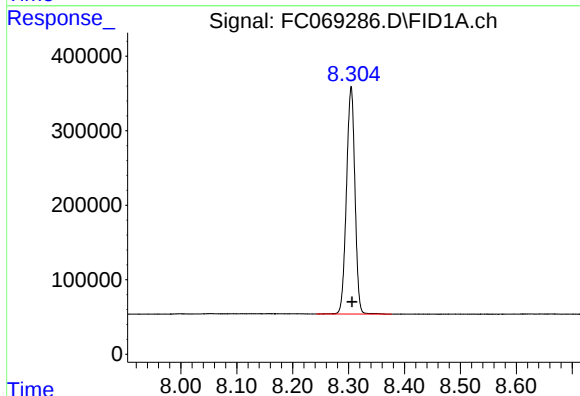
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.001 min
Response: 3339375
Conc: 21.10 ug/ml

Instrument :
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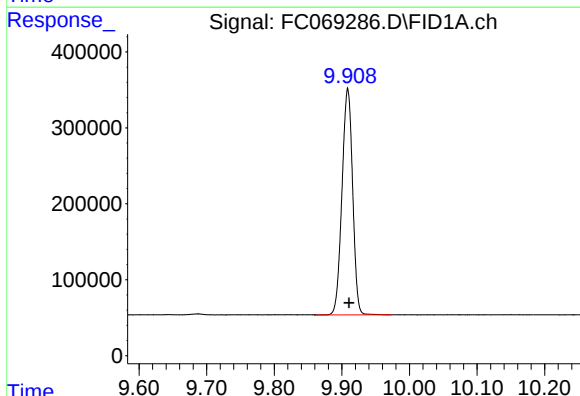
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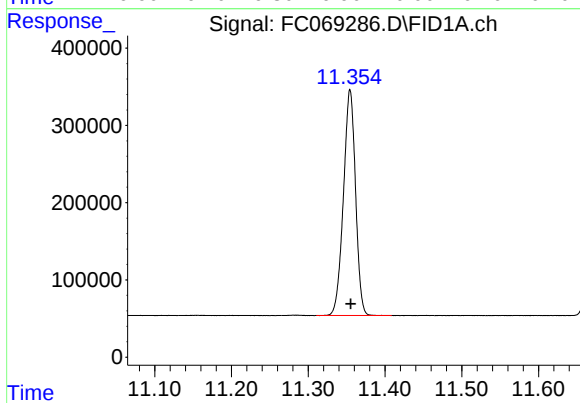
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 3215017
Conc: 20.74 ug/ml



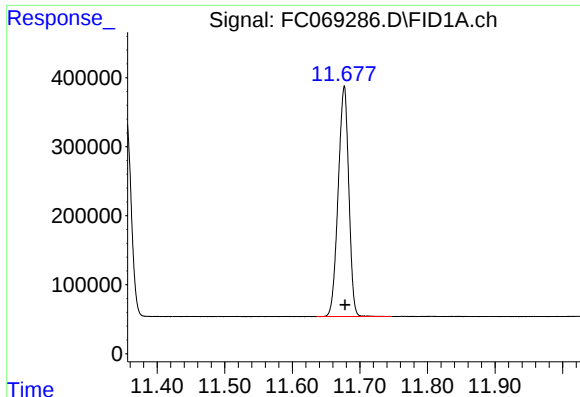
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.002 min
Response: 3258744
Conc: 19.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.001 min
Response: 3195761
Conc: 19.57 ug/ml



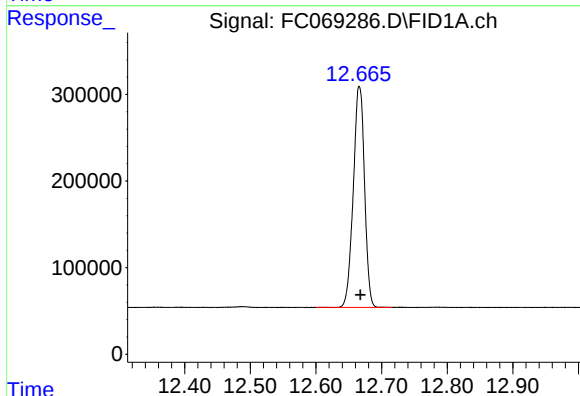
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.001 min
Response: 3639159
Conc: 21.06 ug/ml

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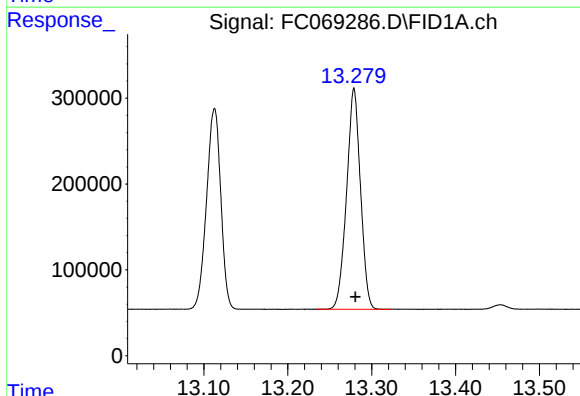
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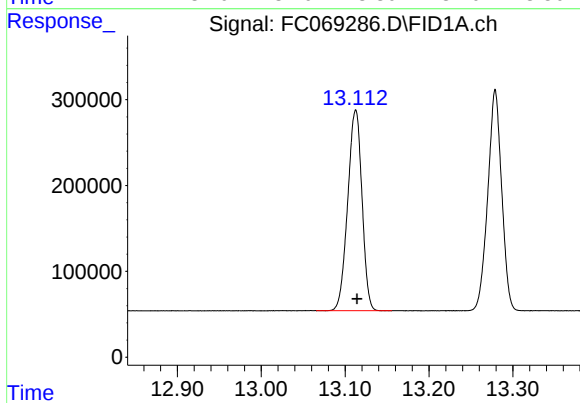
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.002 min
Response: 3043168
Conc: 19.94 ug/ml



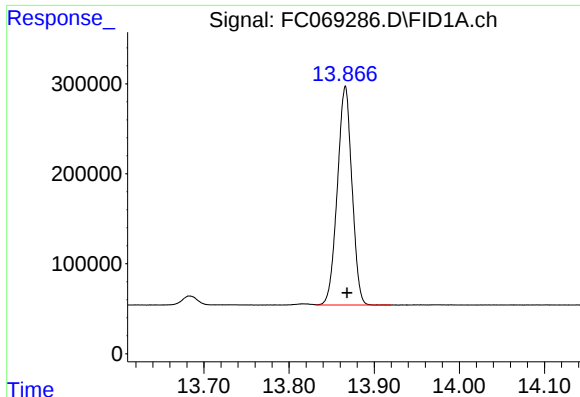
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.002 min
Response: 2960451
Conc: 20.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.002 min
Response: 2760807
Conc: 21.13 ug/ml



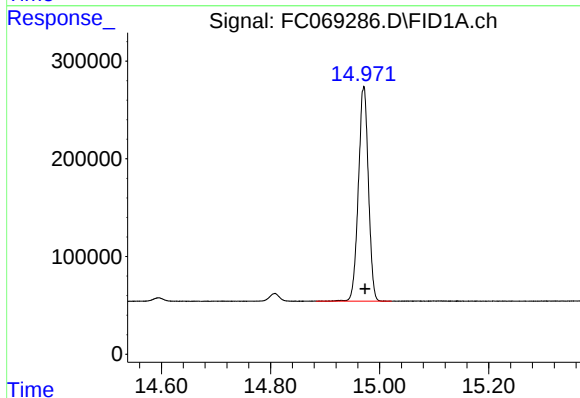
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.002 min
Response: 2896661
Conc: 20.13 ug/ml

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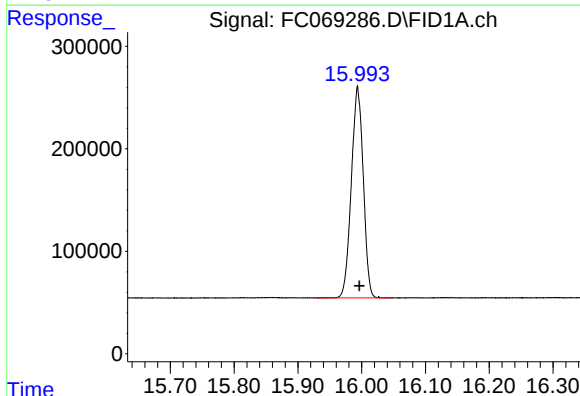
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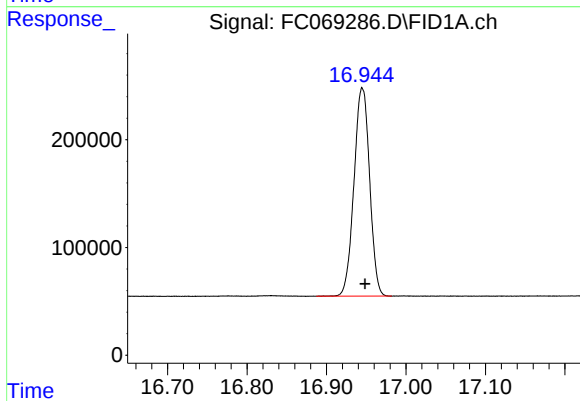
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.003 min
Response: 2795423
Conc: 20.27 ug/ml



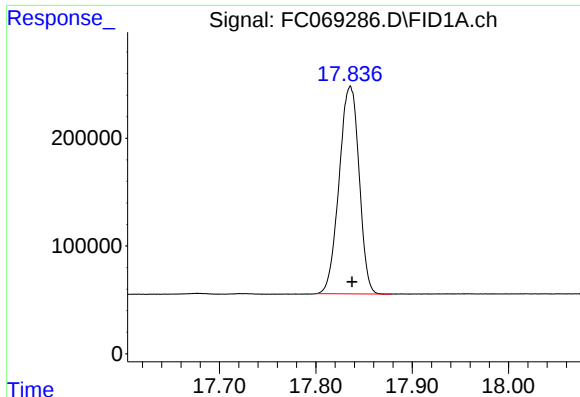
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.003 min
Response: 2680095
Conc: 20.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.945 min
Delta R.T.: -0.003 min
Response: 2644055
Conc: 21.44 ug/ml



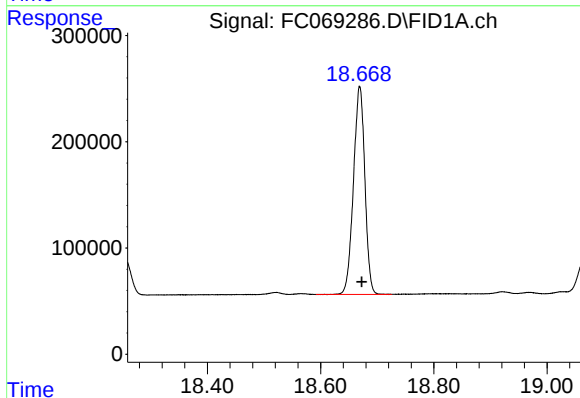
#17 n-Tricontane (C30)

R.T.: 17.836 min
Delta R.T.: -0.002 min
Response: 2767737
Conc: 23.28 ug/ml

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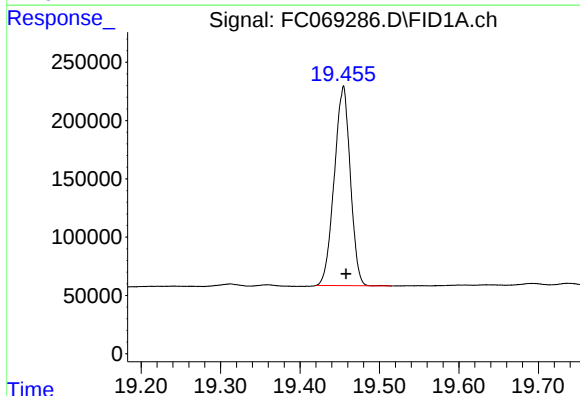
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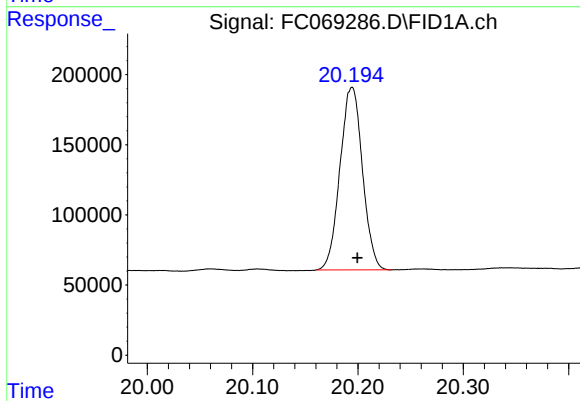
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: -0.004 min
Response: 2739507
Conc: 25.06 ug/ml



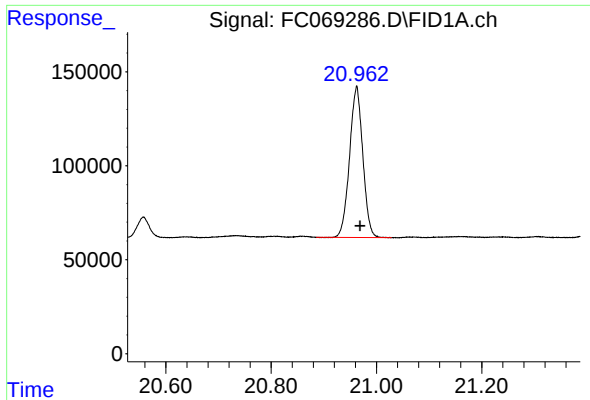
#19 n-Tetratriacontane (C34)

R.T.: 19.454 min
Delta R.T.: -0.004 min
Response: 2402067
Conc: 24.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.005 min
Response: 1928106
Conc: 23.40 ug/ml



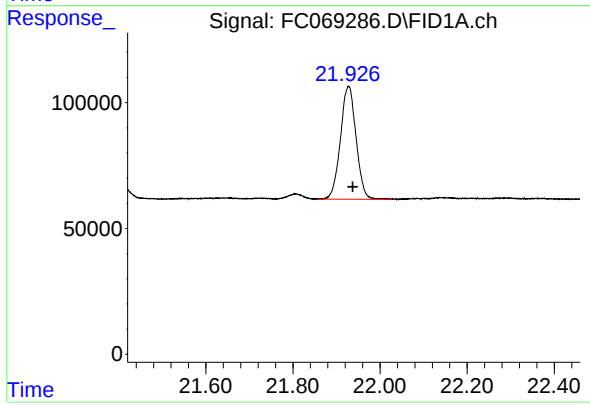
#21 n-Octatriacontane (C38)

R.T.: 20.962 min
Delta R.T.: -0.007 min
Response: 1404161
Conc: 18.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.926 min
Delta R.T.: -0.011 min
Response: 1120559
Conc: 15.82 ug/ml m