

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069385.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 19:23
 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 07/08/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 08 01:28:52 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	2978825	17.243 ug/ml
Spiked Amount 50.000		Recovery =	34.49%
12) S 1-chlorooctadecane (S...	13.109	2252995	17.246 ug/ml
Spiked Amount 50.000		Recovery =	34.49%
Target Compounds			
1) T n-Nonane (C9)	3.403	2700393	18.988 ug/ml
2) T n-Decane (C10)	4.477	2802312	19.142 ug/ml
3) T A~Naphthalene (C11.7)	6.073	3074912	19.111 ug/ml
4) T n-Dodecane (C12)	6.503	2853628	18.845 ug/ml
5) T A~2-methylnaphthalene...	7.132	2964887	18.736 ug/ml
6) T n-Tetradecane (C14)	8.302	2849564	18.384 ug/ml
7) T n-Hexadecane (C16)	9.906	2905878	17.782 ug/ml
8) T n-Octadecane (C18)	11.352	2850258	17.457 ug/ml
10) T n-Eicosane (C20)	12.663	2658880	17.419 ug/ml
11) T n-Heneicosane (C21)	13.276	2572472	17.453 ug/ml
13) T n-Docosane (C22)	13.863	2525371	17.552 ug/ml
14) T n-Tetracosane (C24)	14.968	2451677	17.775 ug/ml
15) T n-Hexacosane (C26)	15.990	2334245	17.856 ug/ml
16) T n-Octacosane (C28)	16.941	2256659	18.298 ug/ml
17) T n-Tricontane (C30)	17.830	2280037	19.179 ug/ml
18) T n-Dotriacontane (C32)	18.663	2183608	19.971 ug/ml
19) T n-Tetratriacontane (C34)	19.448	1964752	20.346 ug/ml
20) T n-Hexatriacontane (C36)	20.190	1696212	20.582 ug/ml
21) T n-Octatriacontane (C38)	20.958	1545007	20.674 ug/ml
22) T n-Tetracontane (C40)	21.919	1474146	20.817 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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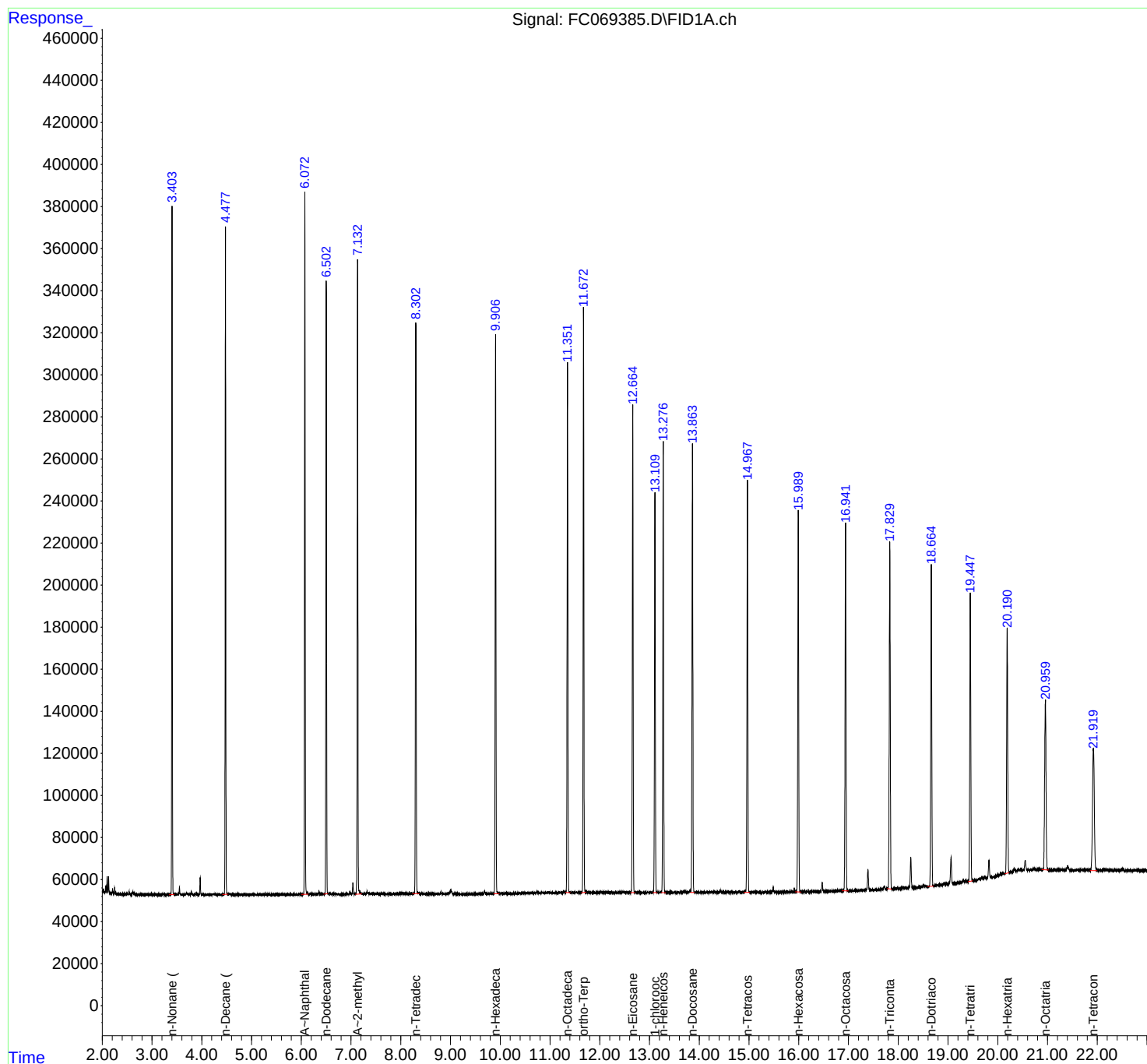
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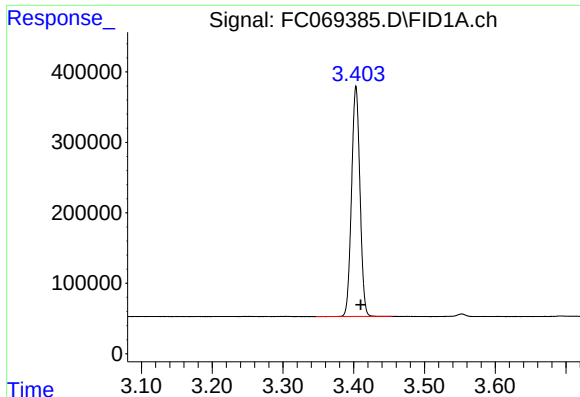
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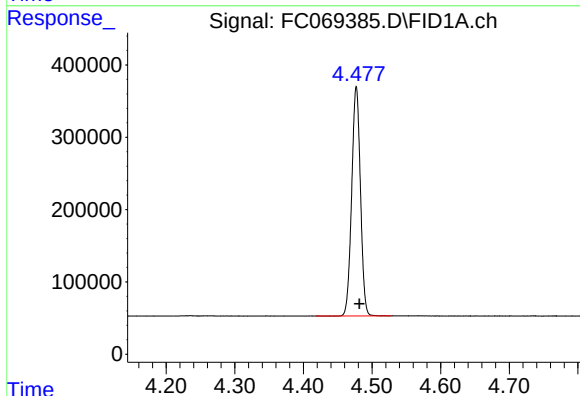
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.007 min
Response: 2700393
Conc: 18.99 ug/ml

Instrument :
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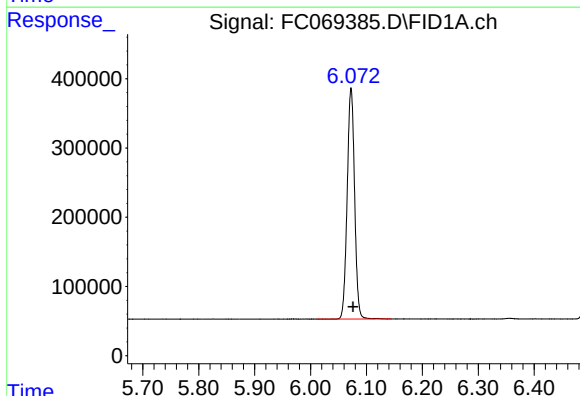
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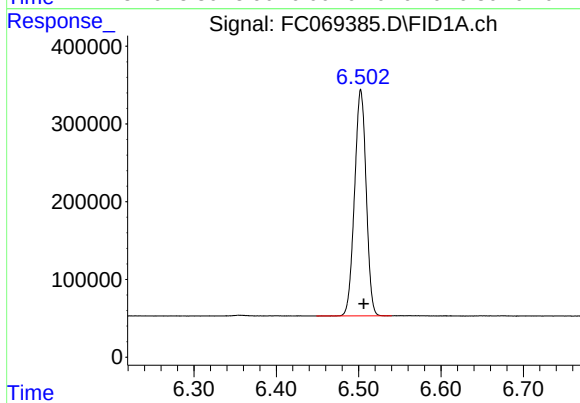
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.004 min
Response: 2802312
Conc: 19.14 ug/ml



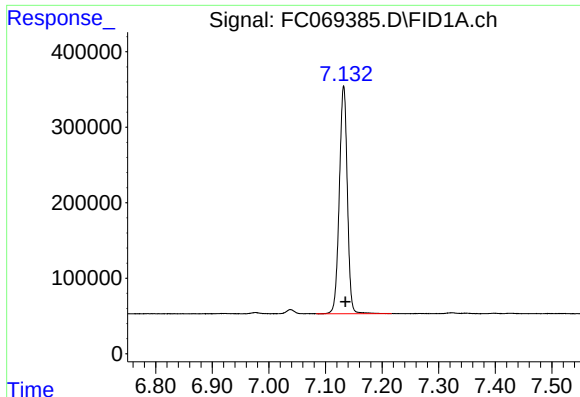
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 3074912
Conc: 19.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.004 min
Response: 2853628
Conc: 18.85 ug/ml



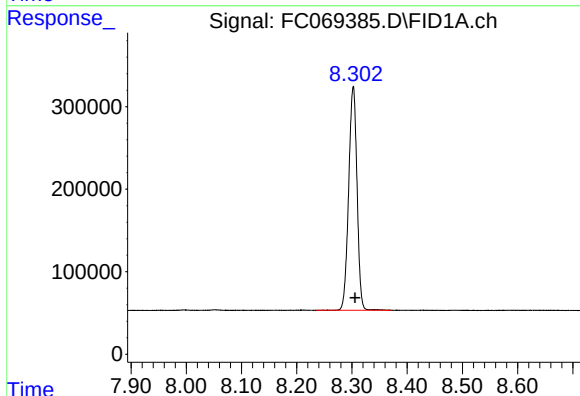
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.003 min
Response: 2964887
Conc: 18.74 ug/ml

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20 PPM ALIPHATIC HC STD

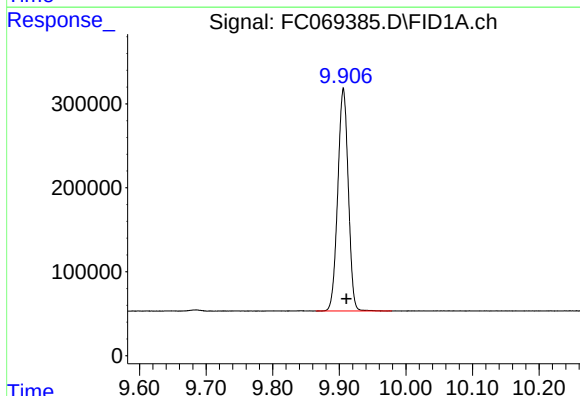
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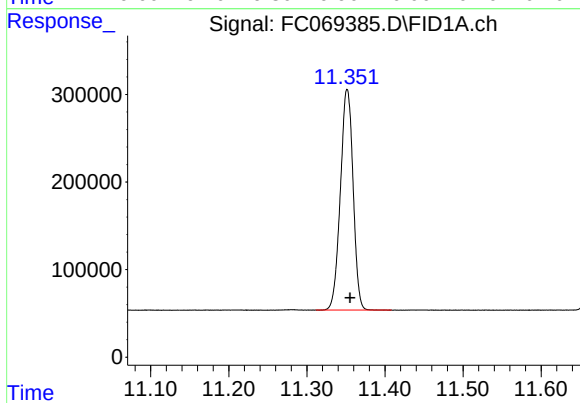
#6 n-Tetradecane (C14)

R.T.: 8.302 min
Delta R.T.: -0.004 min
Response: 2849564
Conc: 18.38 ug/ml



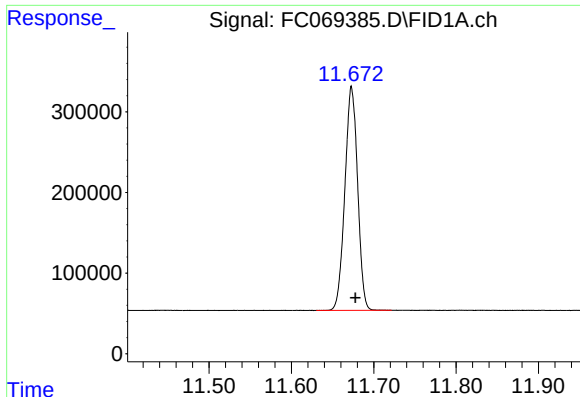
#7 n-Hexadecane (C16)

R.T.: 9.906 min
Delta R.T.: -0.005 min
Response: 2905878
Conc: 17.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.352 min
Delta R.T.: -0.004 min
Response: 2850258
Conc: 17.46 ug/ml



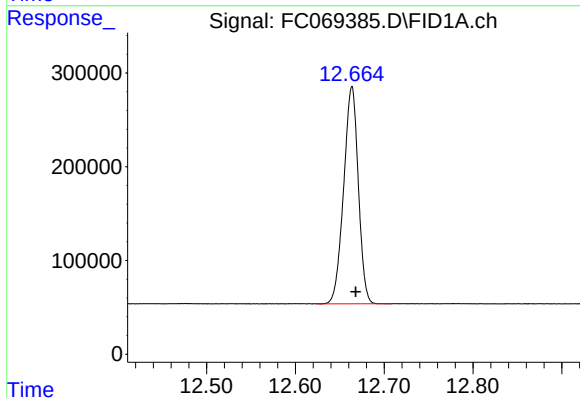
#9 ortho-Terphenyl (SURR)

R.T.: 11.673 min
Delta R.T.: -0.005 min
Response: 2978825
Conc: 17.24 ug/ml

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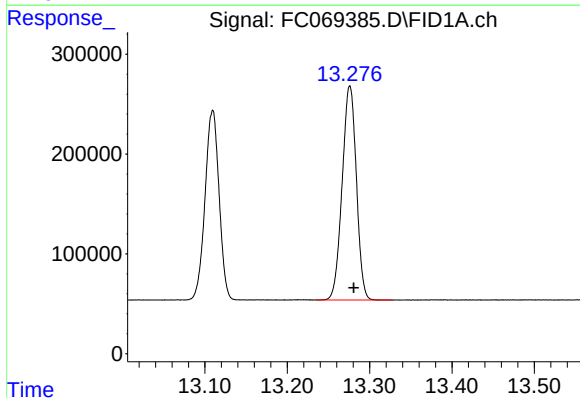
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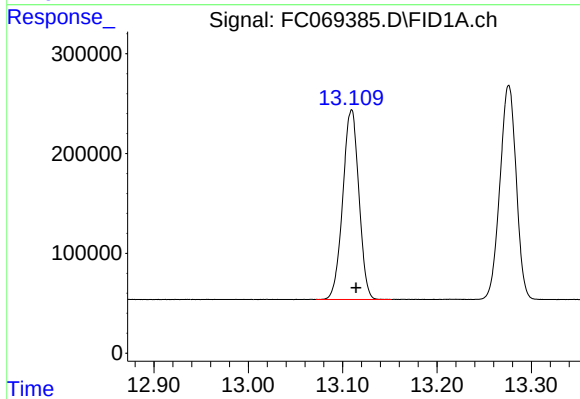
#10 n-Eicosane (C20)

R.T.: 12.663 min
Delta R.T.: -0.004 min
Response: 2658880
Conc: 17.42 ug/ml



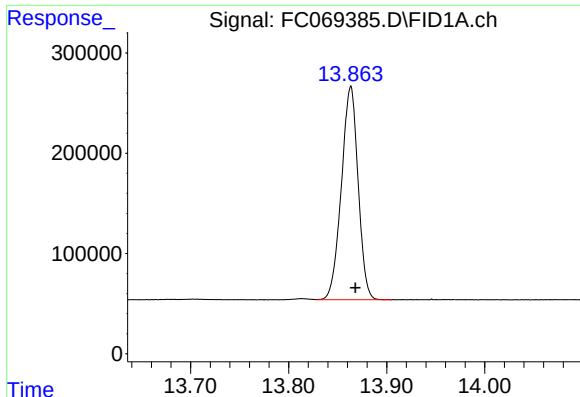
#11 n-Heneicosane (C21)

R.T.: 13.276 min
Delta R.T.: -0.005 min
Response: 2572472
Conc: 17.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.109 min
Delta R.T.: -0.005 min
Response: 2252995
Conc: 17.25 ug/ml



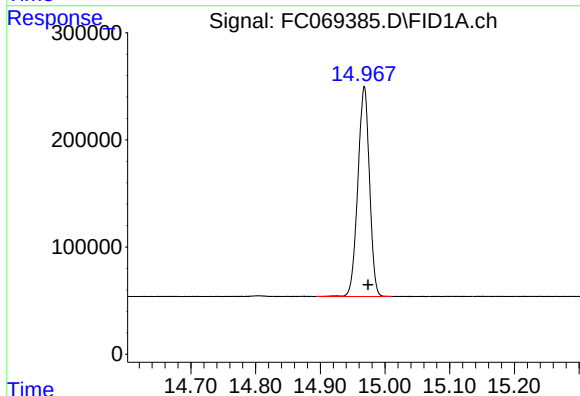
#13 n-Docosane (C22)

R.T.: 13.863 min
Delta R.T.: -0.005 min
Response: 2525371
Conc: 17.55 ug/ml

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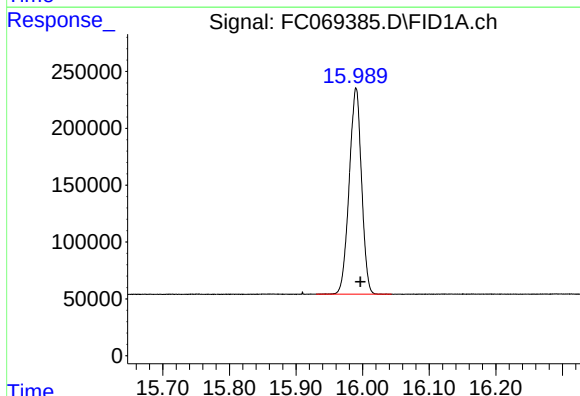
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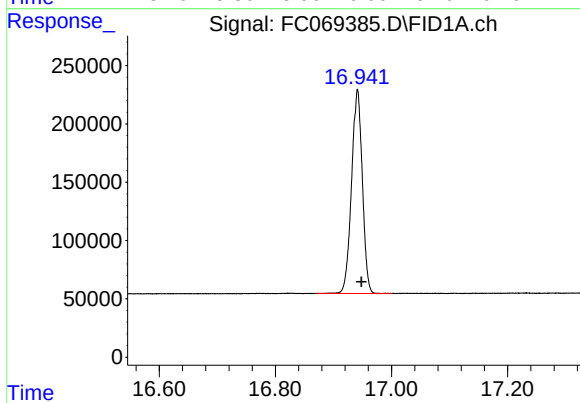
#14 n-Tetracosane (C24)

R.T.: 14.968 min
Delta R.T.: -0.006 min
Response: 2451677
Conc: 17.77 ug/ml



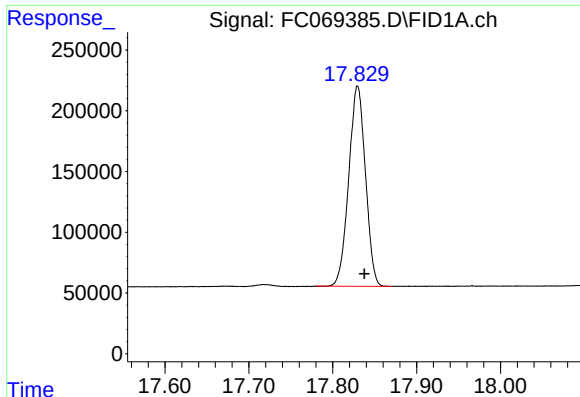
#15 n-Hexacosane (C26)

R.T.: 15.990 min
Delta R.T.: -0.007 min
Response: 2334245
Conc: 17.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.941 min
Delta R.T.: -0.007 min
Response: 2256659
Conc: 18.30 ug/ml



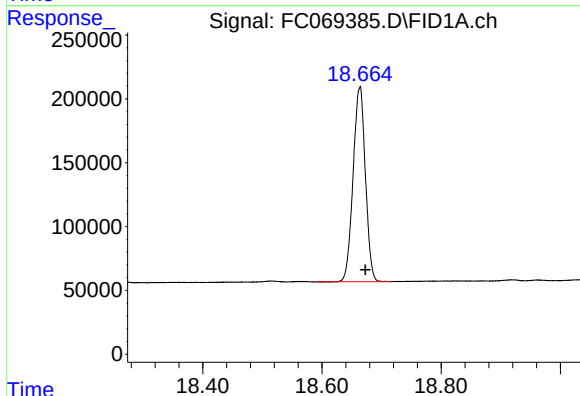
#17 n-Tricontane (C30)

R.T.: 17.830 min
Delta R.T.: -0.008 min
Response: 2280037
Conc: 19.18 ug/ml

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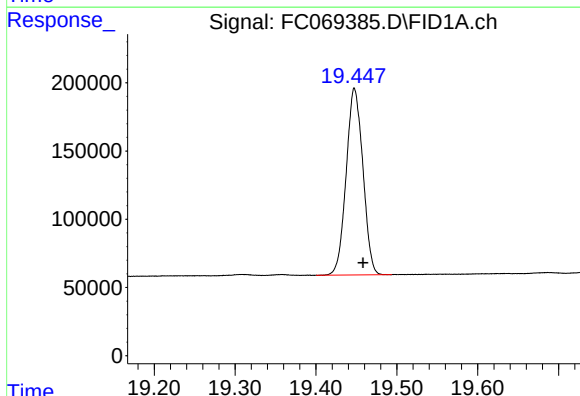
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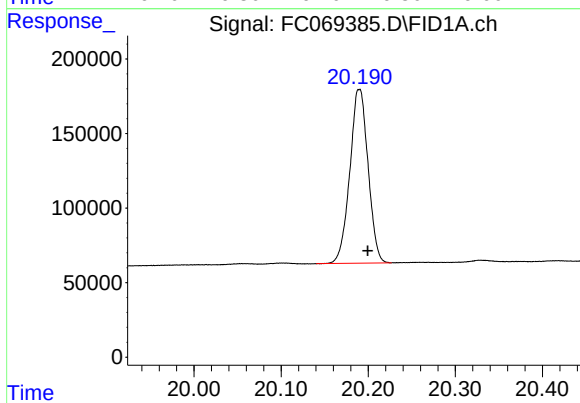
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: -0.010 min
Response: 2183608
Conc: 19.97 ug/ml



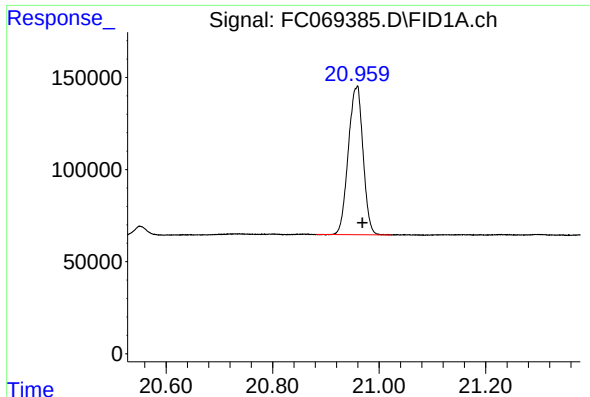
#19 n-Tetratriacontane (C34)

R.T.: 19.448 min
Delta R.T.: -0.010 min
Response: 1964752
Conc: 20.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.190 min
Delta R.T.: -0.010 min
Response: 1696212
Conc: 20.58 ug/ml



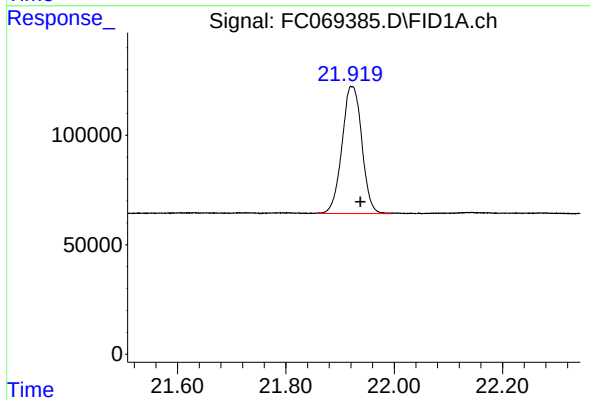
#21 n-Octatriacontane (C38)

R.T.: 20.958 min
Delta R.T.: -0.011 min
Response: 1545007
Conc: 20.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.919 min
Delta R.T.: -0.018 min
Response: 1474146
Conc: 20.82 ug/ml m