

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072325AL\
 Data File : FC069518.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2025 23:04
 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 07/24/2025
 Supervised By :mohammad ahmed 07/25/2025

Integration File: autoint1.e
 Quant Time: Jul 24 01:31:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 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)	11.671	2666849	17.970 ug/ml
Spiked Amount 50.000		Recovery =	35.94%
12) S 1-chlorooctadecane (S...	13.107	2029791	17.961 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
Target Compounds			
1) T n-Nonane (C9)	3.404	2622560	19.272 ug/ml
2) T n-Decane (C10)	4.476	2703527	19.424 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2857617	18.911 ug/ml
4) T n-Dodecane (C12)	6.501	2738528	19.321 ug/ml
5) T A~2-methylnaphthalene...	7.131	2729855	18.686 ug/ml
6) T n-Tetradecane (C14)	8.300	2675482	18.817 ug/ml
7) T n-Hexadecane (C16)	9.904	2681125	18.369 ug/ml
8) T n-Octadecane (C18)	11.349	2597347	18.056 ug/ml
10) T n-Eicosane (C20)	12.660	2404413	17.910 ug/ml
11) T n-Heneicosane (C21)	13.273	2324434	17.895 ug/ml
13) T n-Docosane (C22)	13.861	2274876	17.911 ug/ml
14) T n-Tetracosane (C24)	14.965	2192434	17.963 ug/ml
15) T n-Hexacosane (C26)	15.988	2098718	18.064 ug/ml
16) T n-Octacosane (C28)	16.939	2040920	18.434 ug/ml
17) T n-Tricontane (C30)	17.828	2091483	19.100 ug/ml
18) T n-Dotriacontane (C32)	18.660	2081413	20.058 ug/mlm
19) T n-Tetratriacontane (C34)	19.446	1937104	20.558 ug/ml
20) T n-Hexatriacontane (C36)	20.188	1745813	21.136 ug/ml
21) T n-Octatriacontane (C38)	20.953	1655689	21.798 ug/mlm
22) T n-Tetracontane (C40)	21.918	1415869	19.330 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

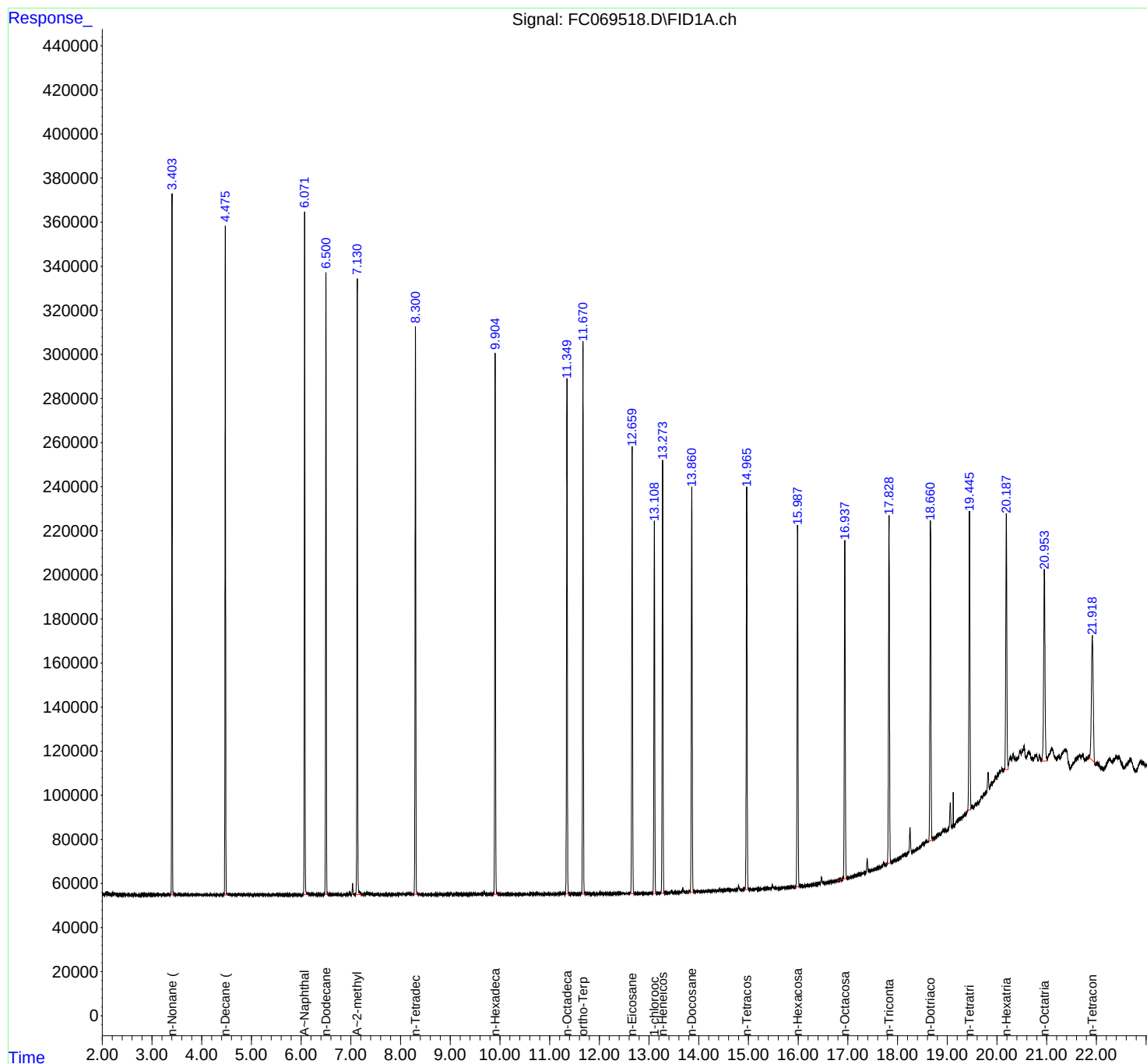
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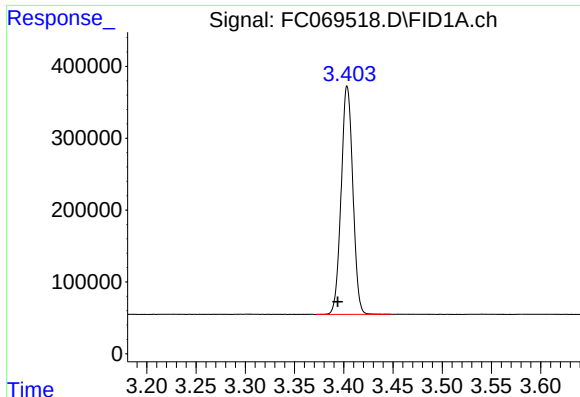
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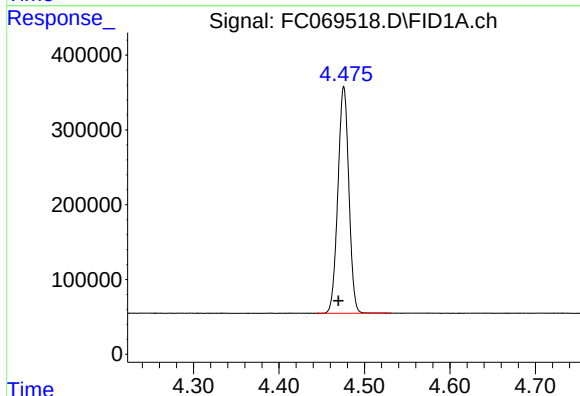
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: 0.010 min
Response: 2622560
Conc: 19.27 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

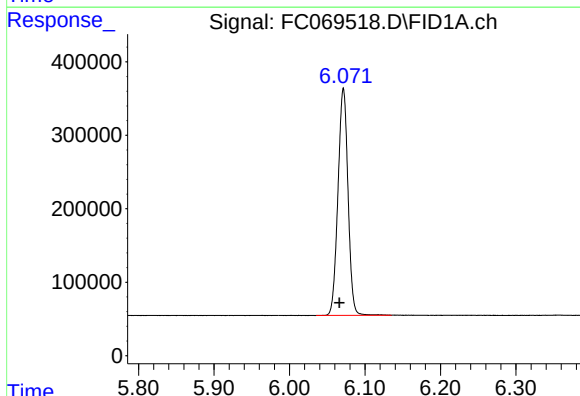
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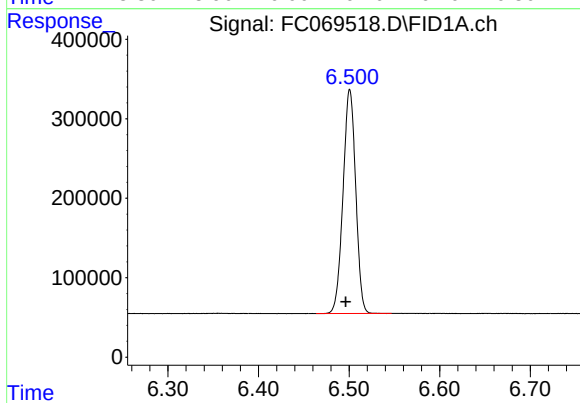
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: 0.006 min
Response: 2703527
Conc: 19.42 ug/ml



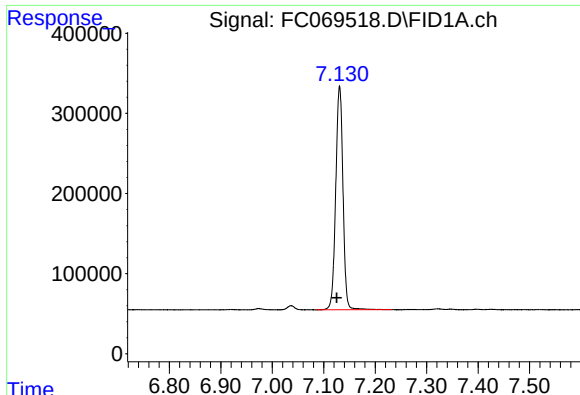
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.005 min
Response: 2857617
Conc: 18.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: 0.005 min
Response: 2738528
Conc: 19.32 ug/ml



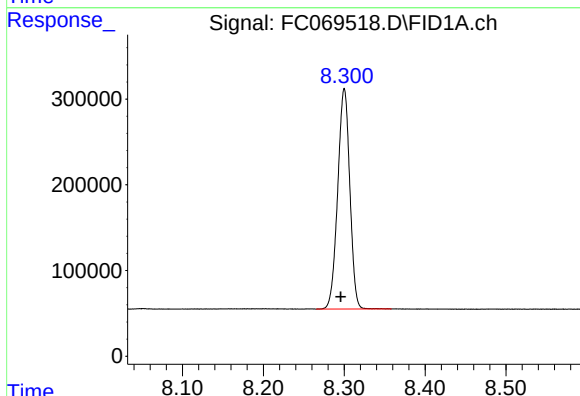
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: 0.005 min
Response: 2729855
Conc: 18.69 ug/ml

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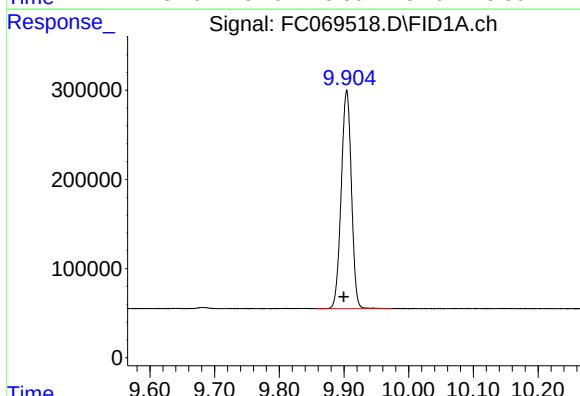
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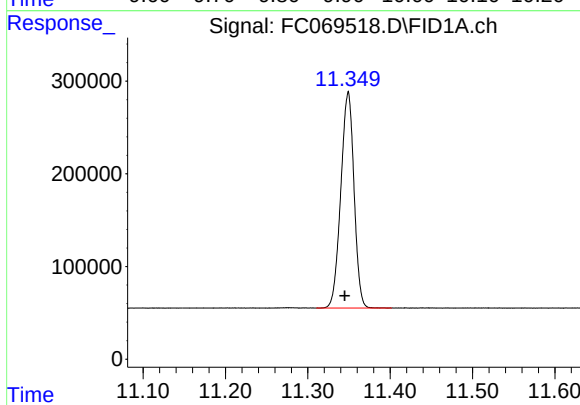
#6 n-Tetradecane (C14)

R.T.: 8.300 min
Delta R.T.: 0.005 min
Response: 2675482
Conc: 18.82 ug/ml



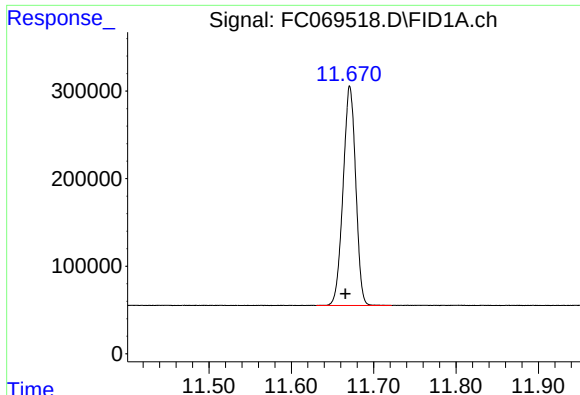
#7 n-Hexadecane (C16)

R.T.: 9.904 min
Delta R.T.: 0.004 min
Response: 2681125
Conc: 18.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.349 min
Delta R.T.: 0.004 min
Response: 2597347
Conc: 18.06 ug/ml



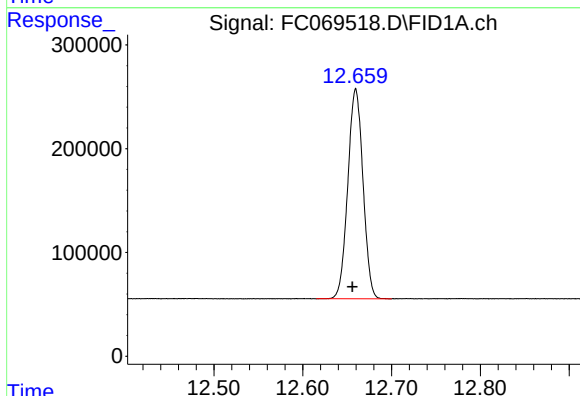
#9 ortho-Terphenyl (SURR)

R.T.: 11.671 min
Delta R.T.: 0.005 min
Response: 2666849
Conc: 17.97 ug/ml

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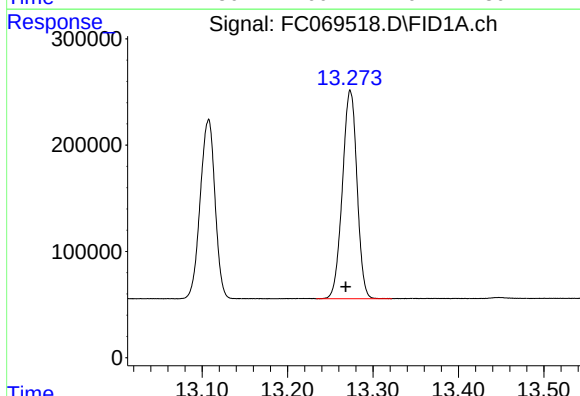
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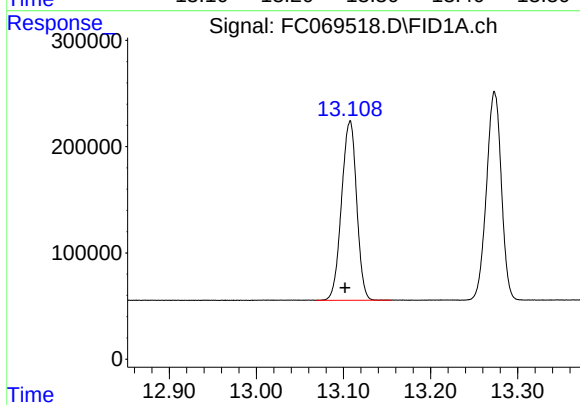
#10 n-Eicosane (C20)

R.T.: 12.660 min
Delta R.T.: 0.004 min
Response: 2404413
Conc: 17.91 ug/ml



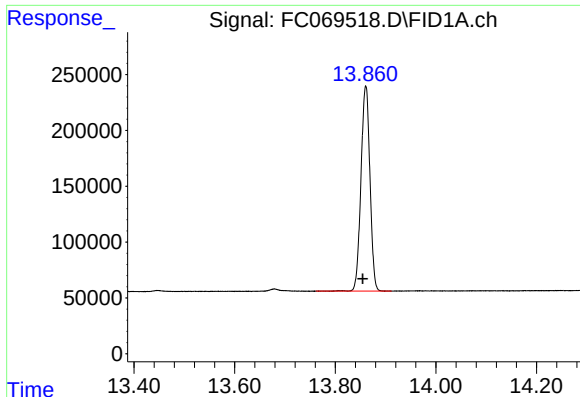
#11 n-Heneicosane (C21)

R.T.: 13.273 min
Delta R.T.: 0.005 min
Response: 2324434
Conc: 17.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.107 min
Delta R.T.: 0.006 min
Response: 2029791
Conc: 17.96 ug/ml



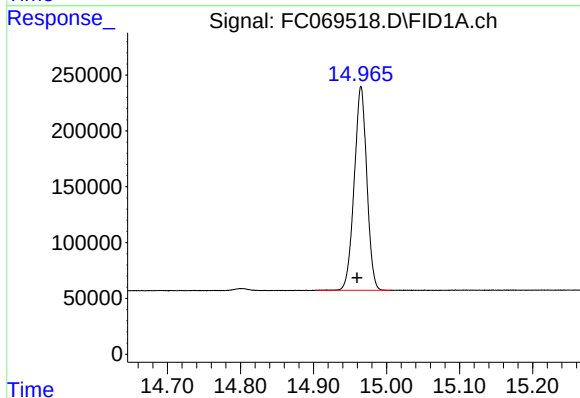
#13 n-Docosane (C22)

R.T.: 13.861 min
Delta R.T.: 0.006 min
Response: 2274876
Conc: 17.91 ug/ml

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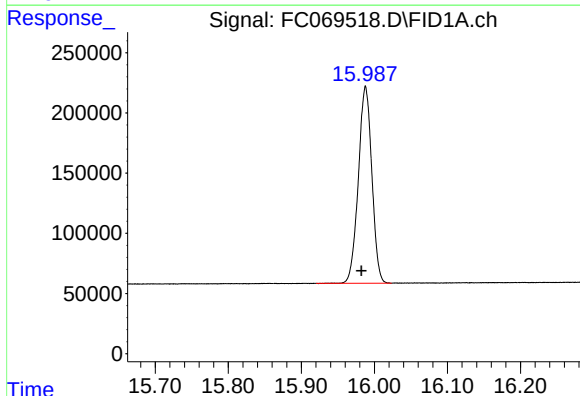
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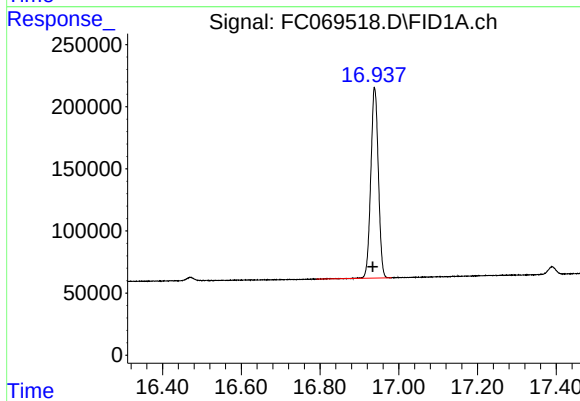
#14 n-Tetracosane (C24)

R.T.: 14.965 min
Delta R.T.: 0.006 min
Response: 2192434
Conc: 17.96 ug/ml



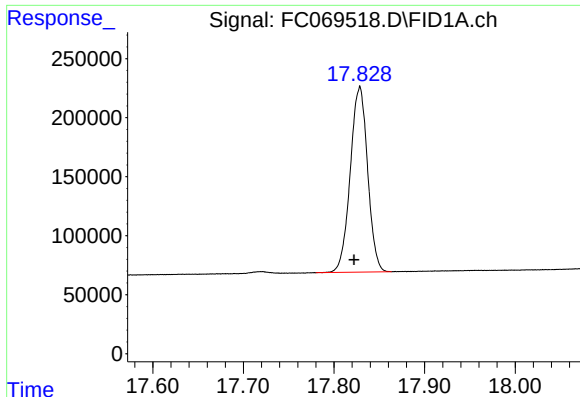
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: 0.006 min
Response: 2098718
Conc: 18.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.939 min
Delta R.T.: 0.005 min
Response: 2040920
Conc: 18.43 ug/ml



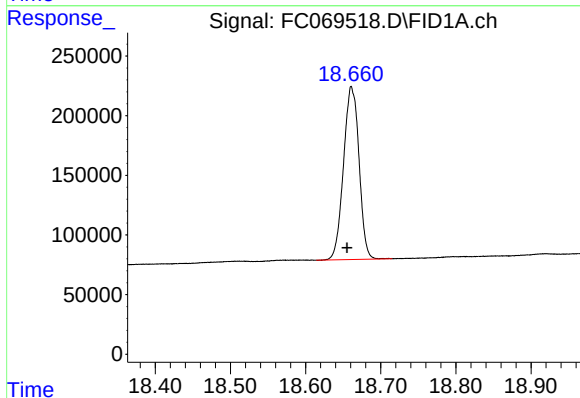
#17 n-Tricontane (C30)

R.T.: 17.828 min
Delta R.T.: 0.006 min
Response: 2091483
Conc: 19.10 ug/ml

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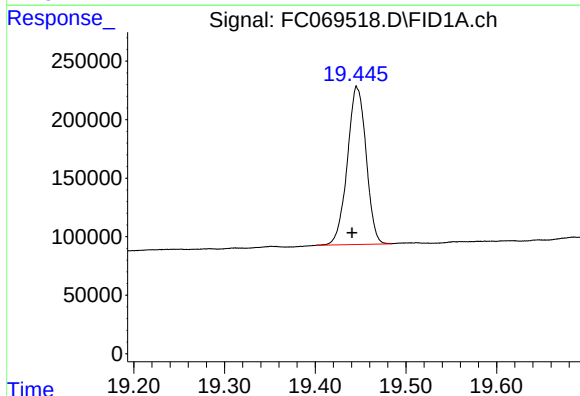
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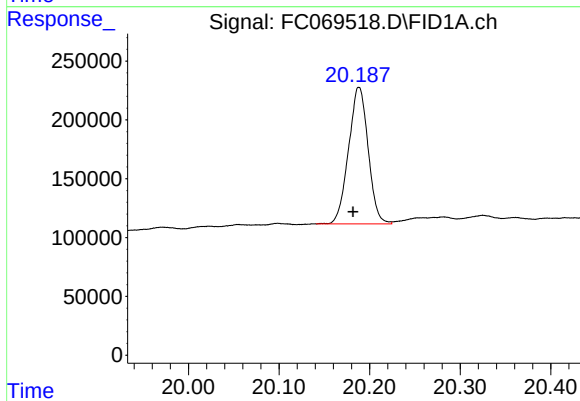
#18 n-Dotriacontane (C32)

R.T.: 18.660 min
Delta R.T.: 0.005 min
Response: 2081413
Conc: 20.06 ug/ml m



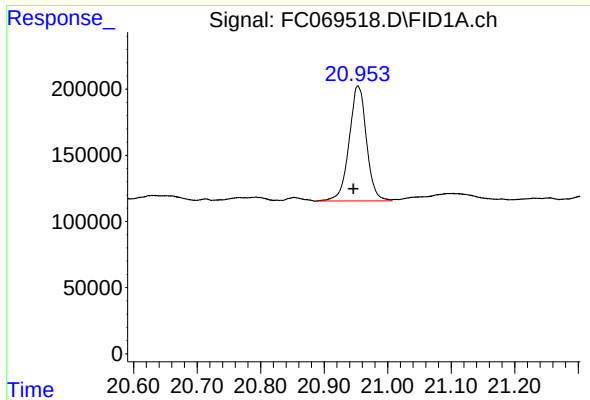
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: 0.006 min
Response: 1937104
Conc: 20.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.188 min
Delta R.T.: 0.007 min
Response: 1745813
Conc: 21.14 ug/ml



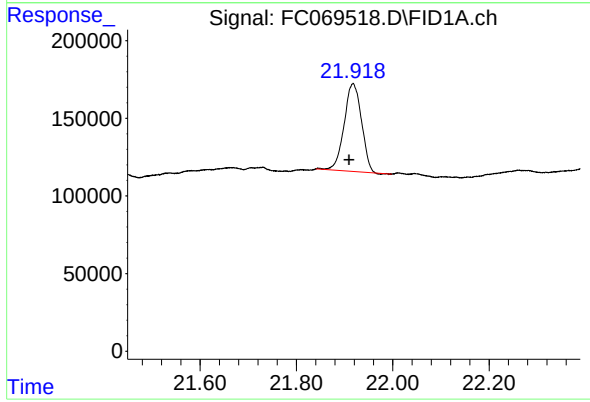
#21 n-Octatriacontane (C38)

R.T.: 20.953 min
Delta R.T.: 0.007 min
Response: 1655689
Conc: 21.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.918 min
Delta R.T.: 0.008 min
Response: 1415869
Conc: 19.33 ug/ml