

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071025AL\
 Data File : FC069413.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jul 2025 10:44
 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 07/11/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File: autoint1.e
 Quant Time: Jul 11 01:15:00 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)	11.671	3215273	18.611 ug/ml
Spiked Amount 50.000		Recovery =	37.22%
12) S 1-chlorooctadecane (S...	13.107	2419639	18.521 ug/ml
Spiked Amount 50.000		Recovery =	37.04%
Target Compounds			
1) T n-Nonane (C9)	3.404	2962032	20.827 ug/ml
2) T n-Decane (C10)	4.477	3088382	21.096 ug/ml
3) T A~Naphthalene (C11.7)	6.070	3354400	20.848 ug/ml
4) T n-Dodecane (C12)	6.501	3130096	20.671 ug/ml
5) T A~2-methylnaphthalene...	7.130	3225413	20.382 ug/ml
6) T n-Tetradecane (C14)	8.300	3115356	20.098 ug/ml
7) T n-Hexadecane (C16)	9.905	3160914	19.343 ug/ml
8) T n-Octadecane (C18)	11.349	3093492	18.947 ug/ml
10) T n-Eicosane (C20)	12.661	2871702	18.814 ug/ml
11) T n-Heneicosane (C21)	13.274	2775568	18.831 ug/ml
13) T n-Docosane (C22)	13.861	2720617	18.909 ug/ml
14) T n-Tetracosane (C24)	14.965	2634963	19.103 ug/ml
15) T n-Hexacosane (C26)	15.987	2503743	19.153 ug/ml
16) T n-Octacosane (C28)	16.939	2437214	19.762 ug/ml
17) T n-Tricontane (C30)	17.828	2511892	21.129 ug/ml
18) T n-Dotriacontane (C32)	18.663	2436364	22.283 ug/mlm
19) T n-Tetratriacontane (C34)	19.446	2184657	22.623 ug/ml
20) T n-Hexatriacontane (C36)	20.187	1874541	22.746 ug/ml
21) T n-Octatriacontane (C38)	20.953	1698710	22.731 ug/mlm
22) T n-Tetracontane (C40)	21.914	1598802	22.577 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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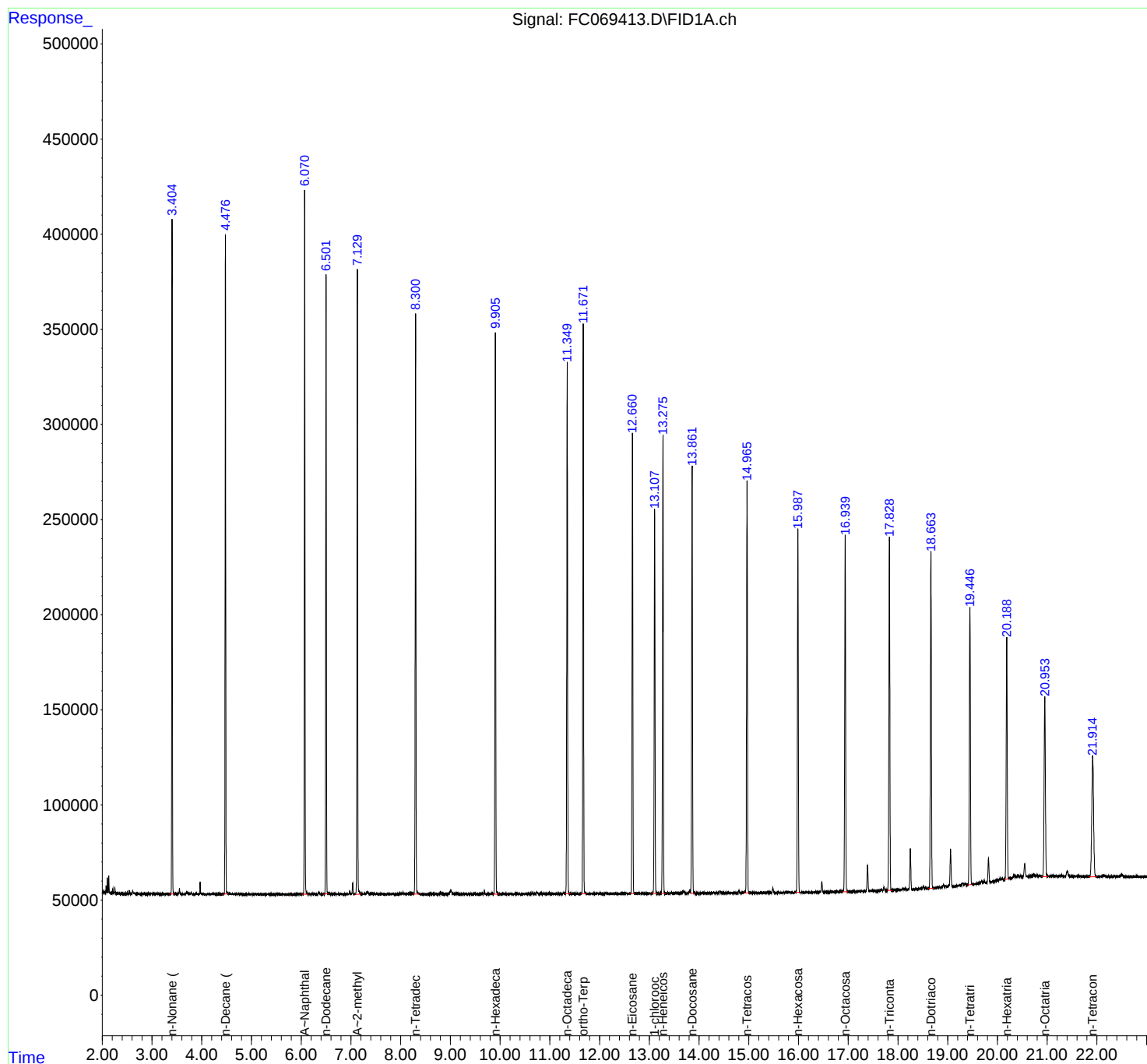
Instrument :
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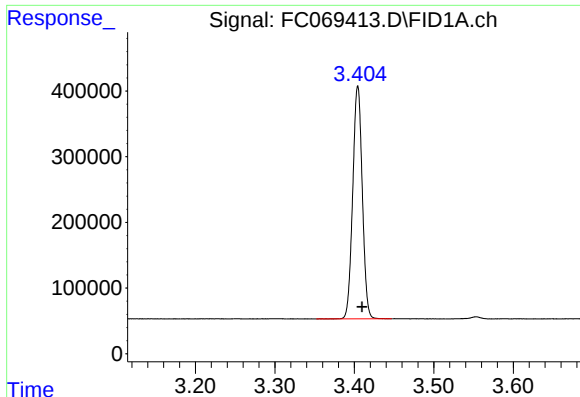
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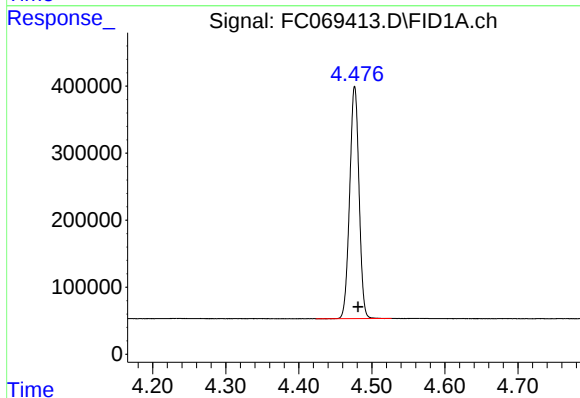
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.006 min
Response: 2962032
Conc: 20.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

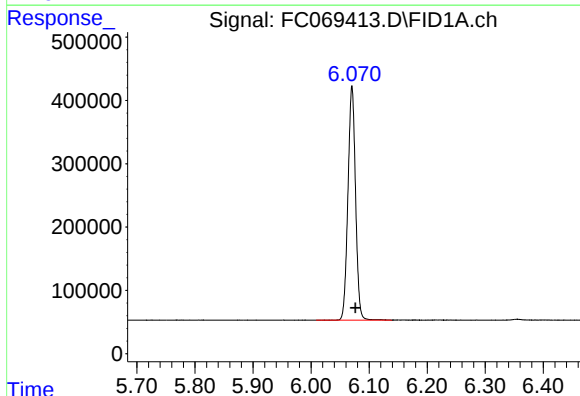
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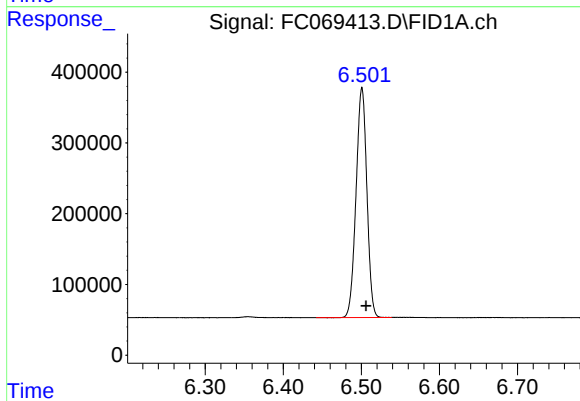
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.005 min
Response: 3088382
Conc: 21.10 ug/ml



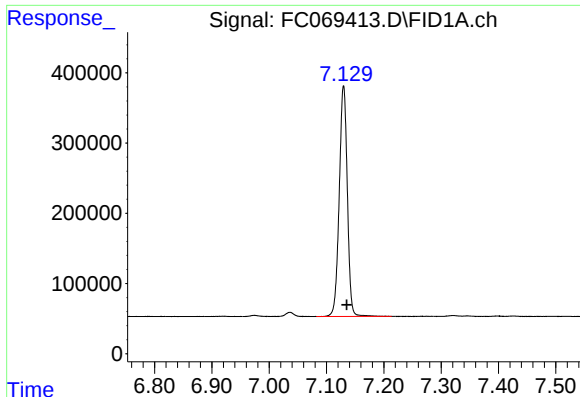
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: -0.006 min
Response: 3354400
Conc: 20.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.501 min
Delta R.T.: -0.005 min
Response: 3130096
Conc: 20.67 ug/ml



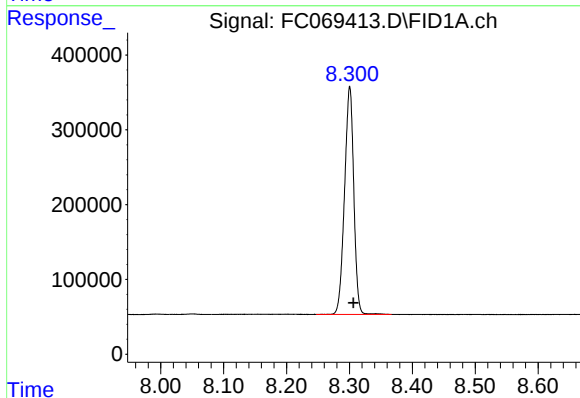
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: -0.006 min
Response: 3225413
Conc: 20.38 ug/ml

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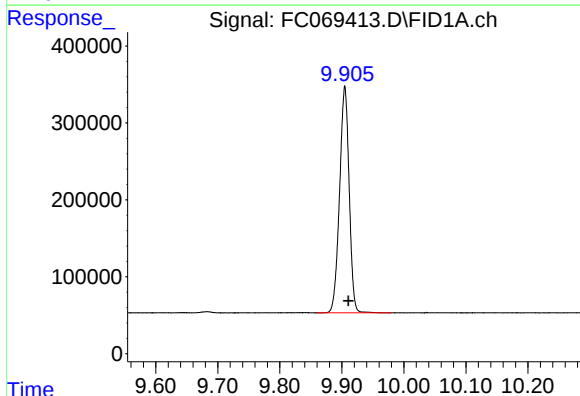
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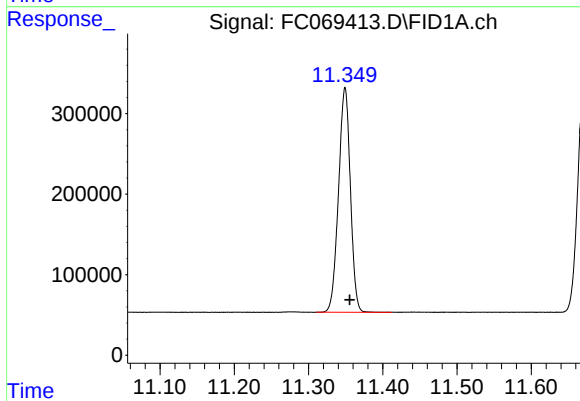
#6 n-Tetradecane (C14)

R.T.: 8.300 min
Delta R.T.: -0.006 min
Response: 3115356
Conc: 20.10 ug/ml



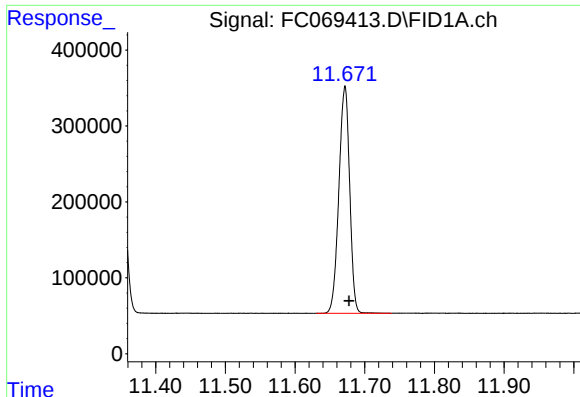
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: -0.006 min
Response: 3160914
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.349 min
Delta R.T.: -0.006 min
Response: 3093492
Conc: 18.95 ug/ml



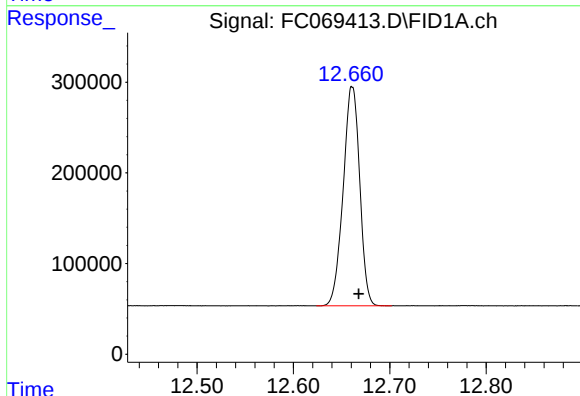
#9 ortho-Terphenyl (SURR)

R.T.: 11.671 min
Delta R.T.: -0.006 min
Response: 3215273
Conc: 18.61 ug/ml

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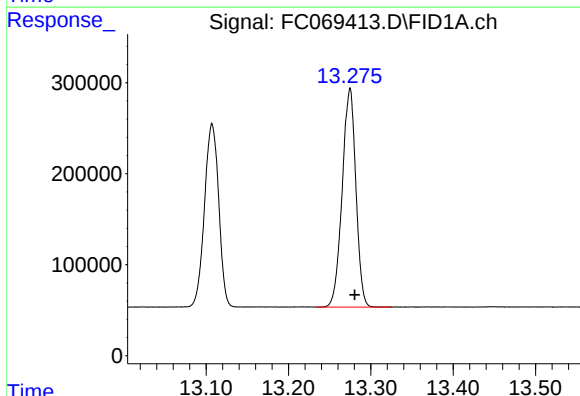
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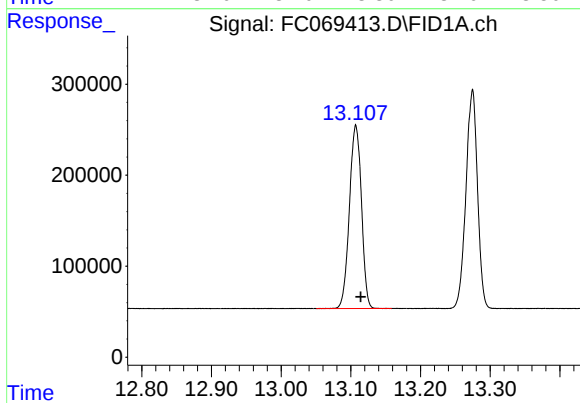
#10 n-Eicosane (C20)

R.T.: 12.661 min
Delta R.T.: -0.007 min
Response: 2871702
Conc: 18.81 ug/ml



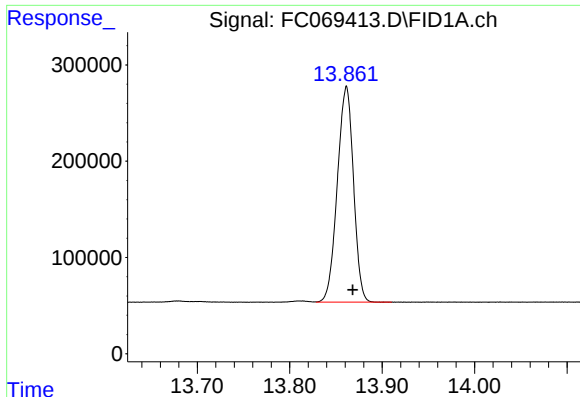
#11 n-Heneicosane (C21)

R.T.: 13.274 min
Delta R.T.: -0.006 min
Response: 2775568
Conc: 18.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.107 min
Delta R.T.: -0.007 min
Response: 2419639
Conc: 18.52 ug/ml



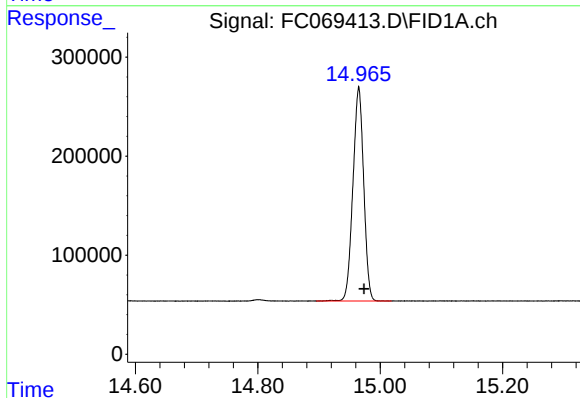
#13 n-Docosane (C22)

R.T.: 13.861 min
Delta R.T.: -0.007 min
Response: 2720617
Conc: 18.91 ug/ml

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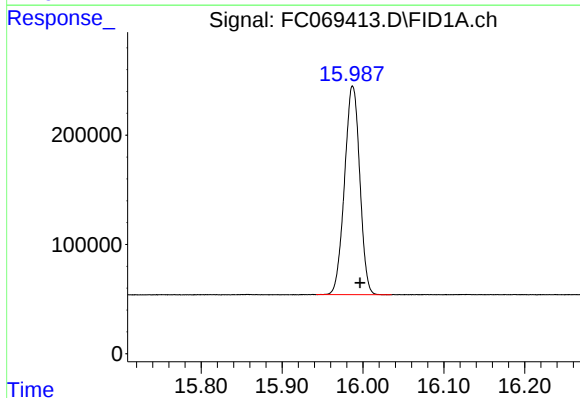
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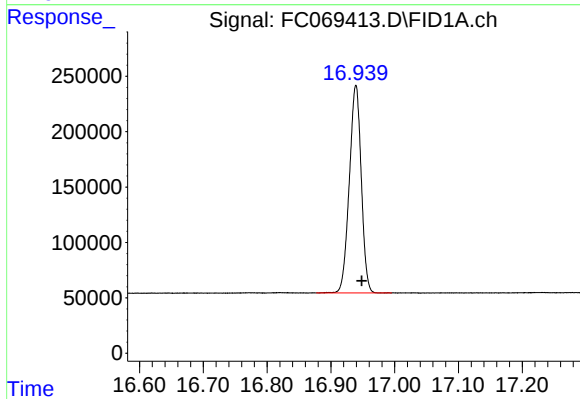
#14 n-Tetracosane (C24)

R.T.: 14.965 min
Delta R.T.: -0.009 min
Response: 2634963
Conc: 19.10 ug/ml



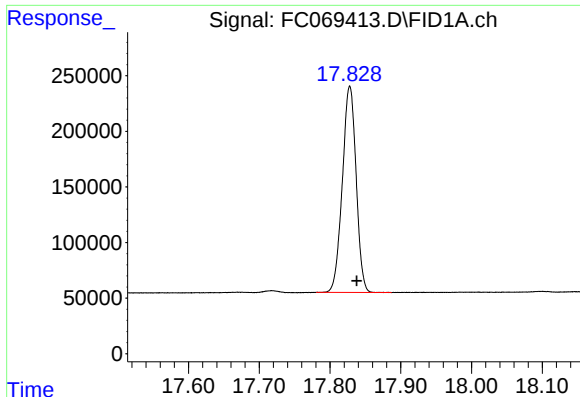
#15 n-Hexacosane (C26)

R.T.: 15.987 min
Delta R.T.: -0.009 min
Response: 2503743
Conc: 19.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.939 min
Delta R.T.: -0.009 min
Response: 2437214
Conc: 19.76 ug/ml



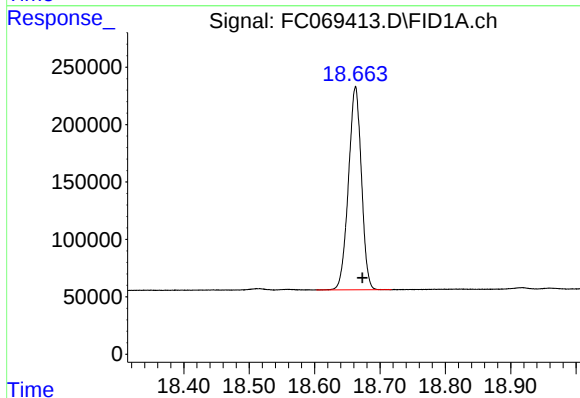
#17 n-Tricontane (C30)

R.T.: 17.828 min
Delta R.T.: -0.010 min
Response: 2511892
Conc: 21.13 ug/ml

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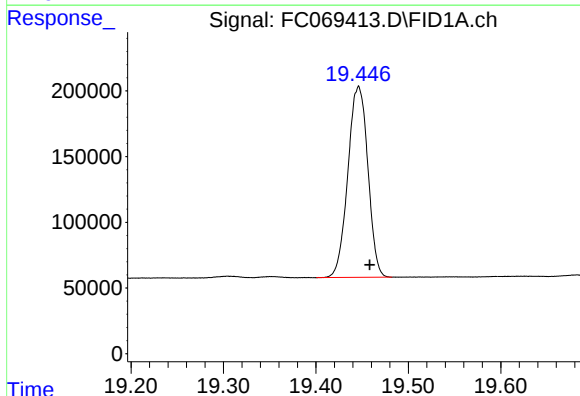
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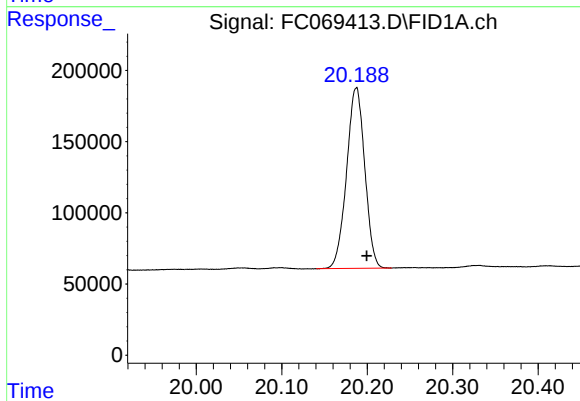
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: -0.011 min
Response: 2436364
Conc: 22.28 ug/ml m



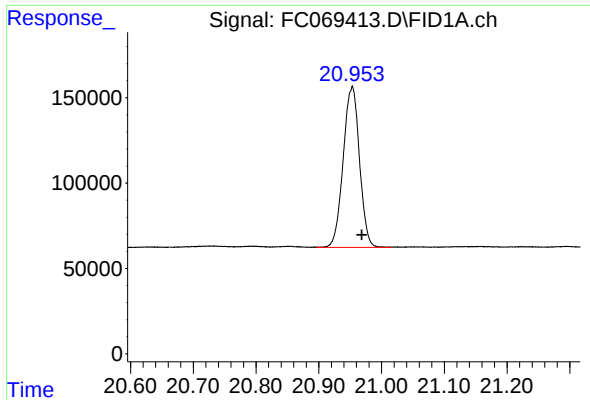
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: -0.012 min
Response: 2184657
Conc: 22.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.187 min
Delta R.T.: -0.012 min
Response: 1874541
Conc: 22.75 ug/ml



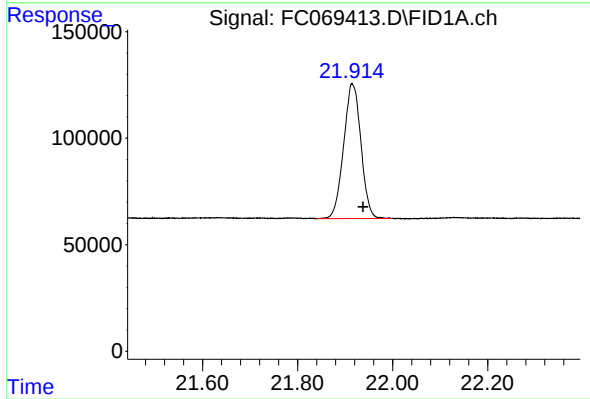
#21 n-Octatriacontane (C38)

R.T.: 20.953 min
Delta R.T.: -0.016 min
Response: 1698710
Conc: 22.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.914 min
Delta R.T.: -0.023 min
Response: 1598802
Conc: 22.58 ug/ml m