

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082825AL\
 Data File : FC069767.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 13:02
 Operator : YP/AJ
 Sample : Q2893-07
 Misc : 4PPM WATER LOD
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: sample.E
 Quant Time: Aug 29 01:38:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082725.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 27 12:11:00 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			
12) S 1-chlorooctadecane (S...	13.100	7399531	77.332 ug/ml
Spiked Amount 50.000		Recovery =	154.66%
Target Compounds			
1) T n-Nonane (C9)	3.395	458343	3.656 ug/ml
2) T n-Decane (C10)	4.466	554664	4.353 ug/mlm
4) T n-Dodecane (C12)	6.490	640457	4.998 ug/ml
6) T n-Tetradecane (C14)	8.289	708054	5.552 ug/mlm
7) T n-Hexadecane (C16)	9.892	650019	5.033 ug/mlm
8) T n-Octadecane (C18)	11.336	693396	5.530 ug/ml
10) T n-Eicosane (C20)	12.648	689658	5.942 ug/ml
11) T n-Heneicosane (C21)	13.261	627062	5.608 ug/ml
13) T n-Docosane (C22)	13.847	632669	5.797 ug/ml
14) T n-Tetracosane (C24)	14.952	601893	5.739 ug/mlm
15) T n-Hexacosane (C26)	15.974	571767	5.705 ug/mlm
16) T n-Octacosane (C28)	16.926	558437	5.800 ug/ml
17) T n-Tricontane (C30)	17.816	562046	5.844 ug/ml
18) T n-Dotriacontane (C32)	18.649	596053	6.399 ug/ml
19) T n-Tetratriacontane (C34)	19.435	556380	6.447 ug/ml
20) T n-Hexatriacontane (C36)	20.176	504381	6.612 ug/ml
21) T n-Octatriacontane (C38)	20.939	472867	6.724 ug/ml
22) T n-Tetracontane (C40)	21.897	389362	5.861 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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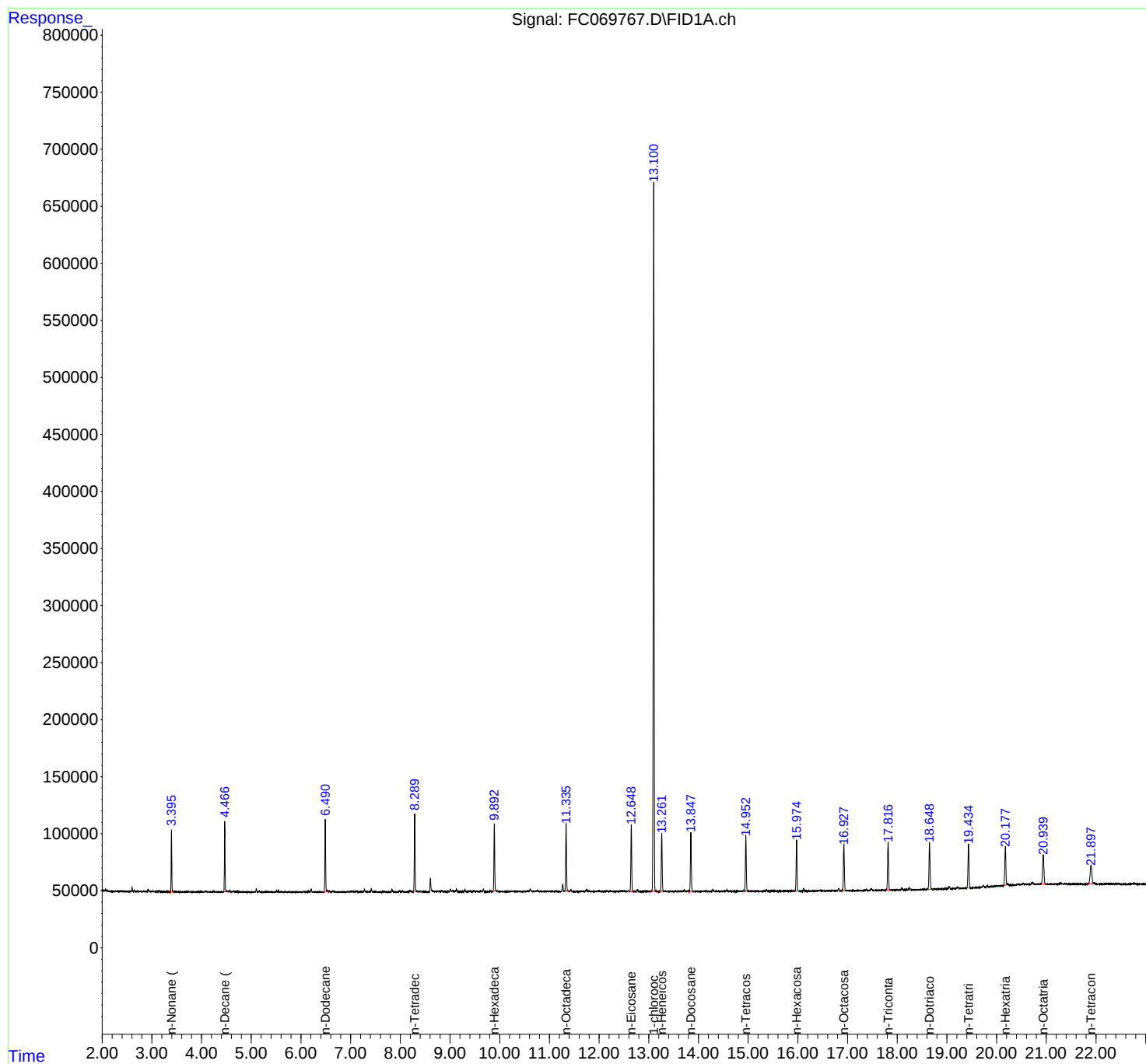
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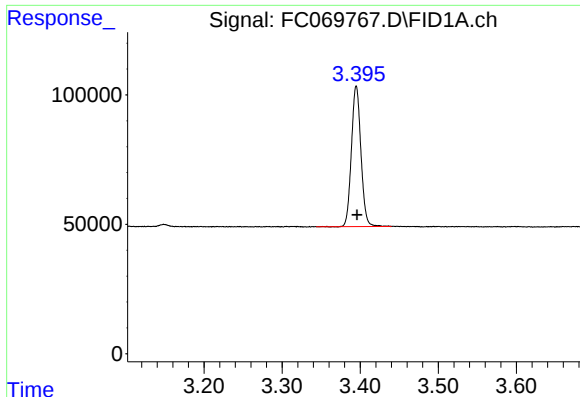
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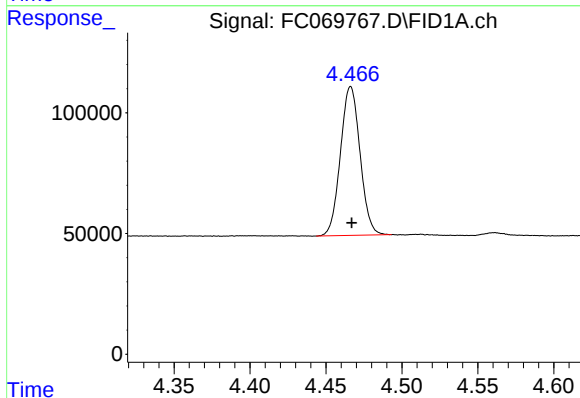
#1 n-Nonane (C9)

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 458343
Conc: 3.66 ug/ml

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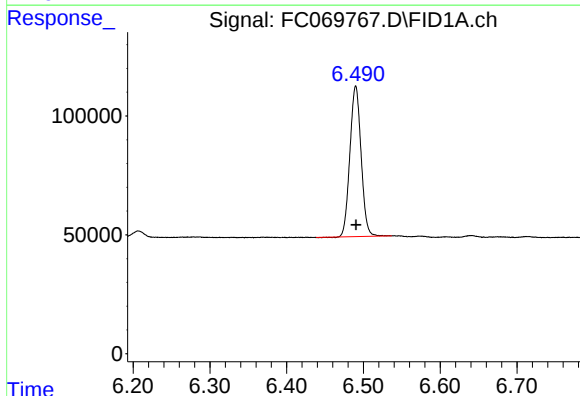
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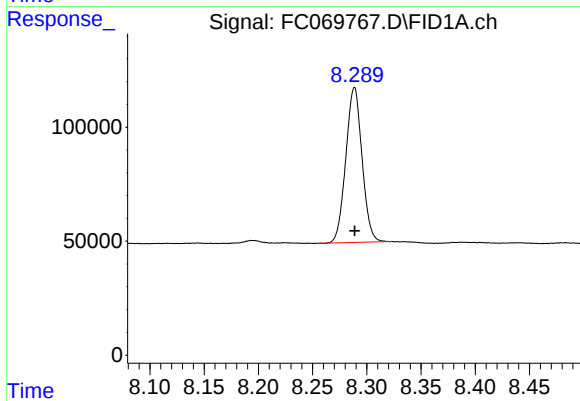
#2 n-Decane (C10)

R.T.: 4.466 min
Delta R.T.: 0.000 min
Response: 554664
Conc: 4.35 ug/ml m



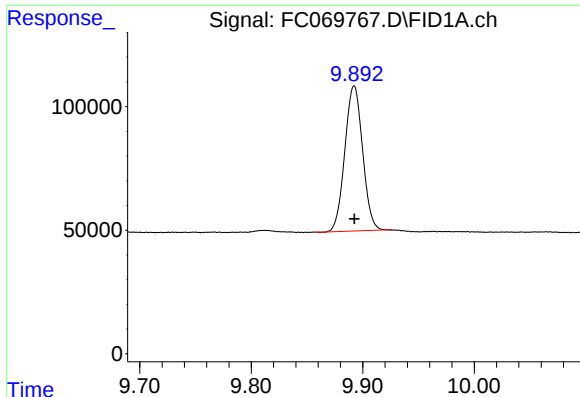
#4 n-Dodecane (C12)

R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 640457
Conc: 5.00 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.289 min
Delta R.T.: 0.000 min
Response: 708054
Conc: 5.55 ug/ml m



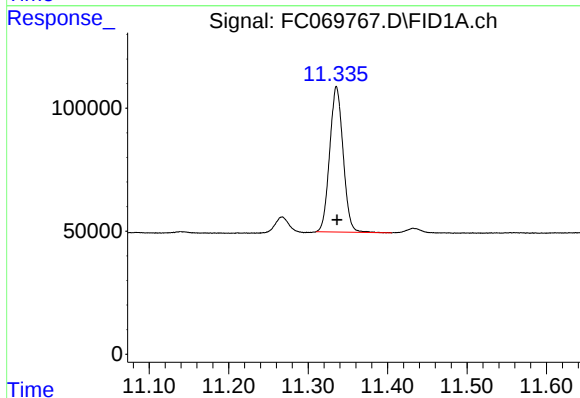
#7 n-Hexadecane (C16)

R.T.: 9.892 min
Delta R.T.: 0.000 min
Response: 650019
Conc: 5.03 ug/ml

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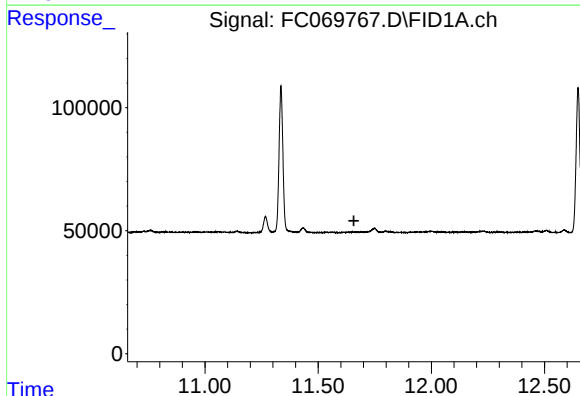
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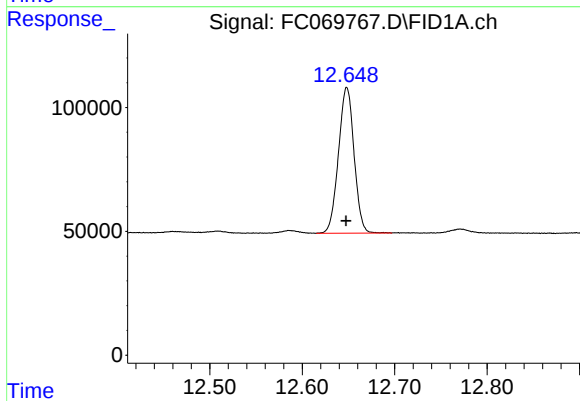
#8 n-Octadecane (C18)

R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 693396
Conc: 5.53 ug/ml



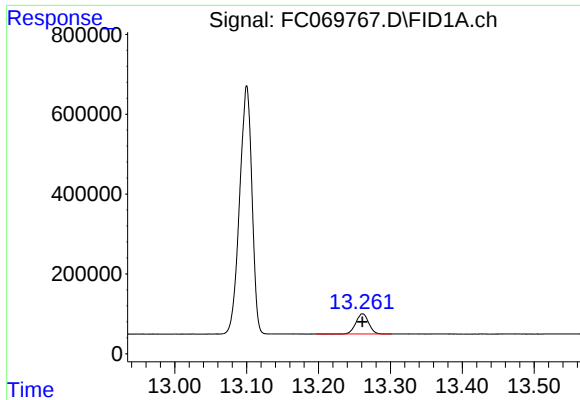
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.658 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.648 min
Delta R.T.: 0.000 min
Response: 689658
Conc: 5.94 ug/ml



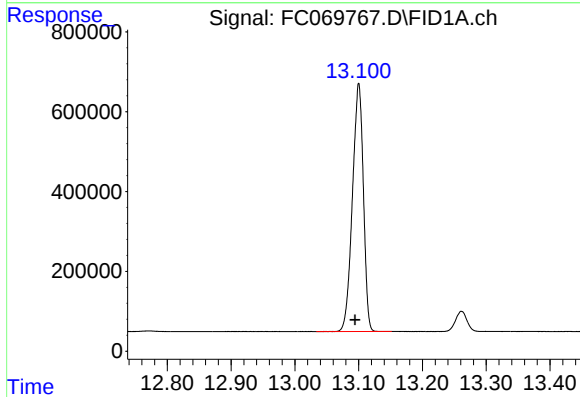
#11 n-Heneicosane (C21)

R.T.: 13.261 min
Delta R.T.: 0.000 min
Response: 627062
Conc: 5.61 ug/ml

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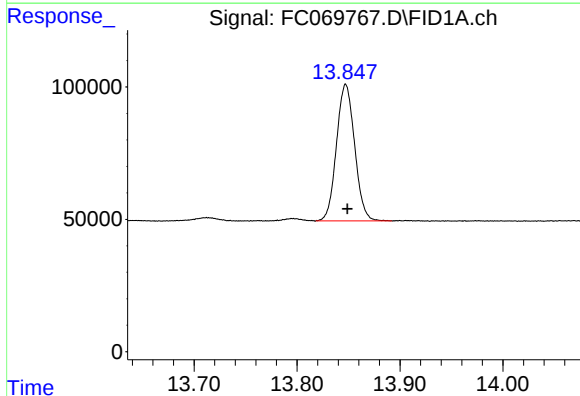
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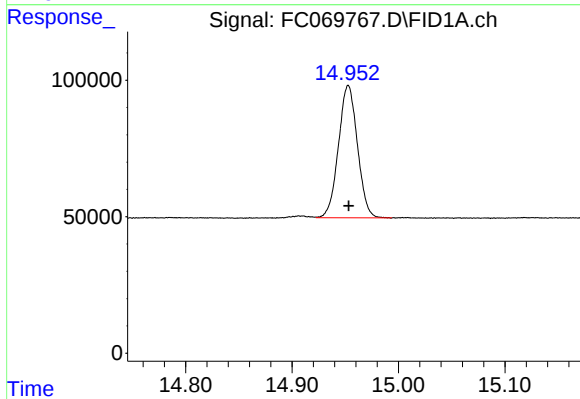
#12 1-chlorooctadecane (SURR)

R.T.: 13.100 min
Delta R.T.: 0.006 min
Response: 7399531
Conc: 77.33 ug/ml



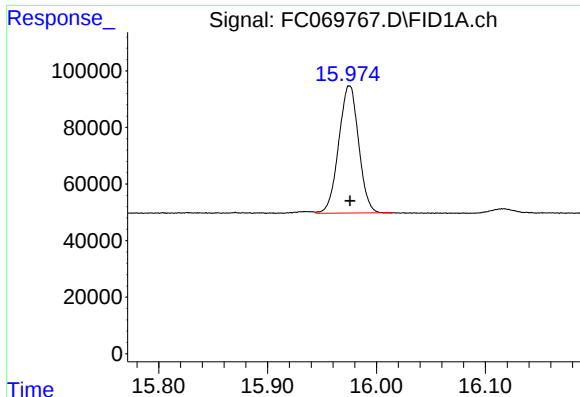
#13 n-Docosane (C22)

R.T.: 13.847 min
Delta R.T.: -0.002 min
Response: 632669
Conc: 5.80 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.952 min
Delta R.T.: -0.001 min
Response: 601893
Conc: 5.74 ug/ml m



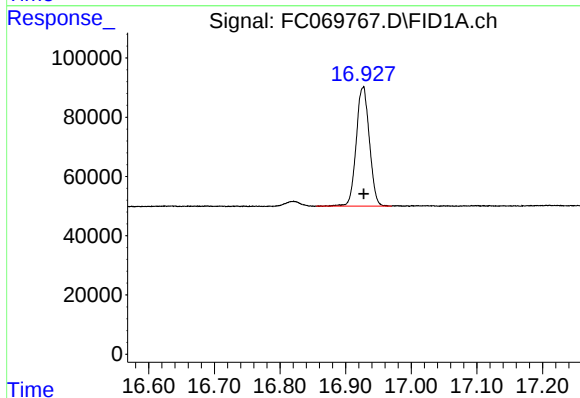
#15 n-Hexacosane (C26)

R.T.: 15.974 min
Delta R.T.: -0.002 min
Response: 571767
Conc: 5.71 ug/ml

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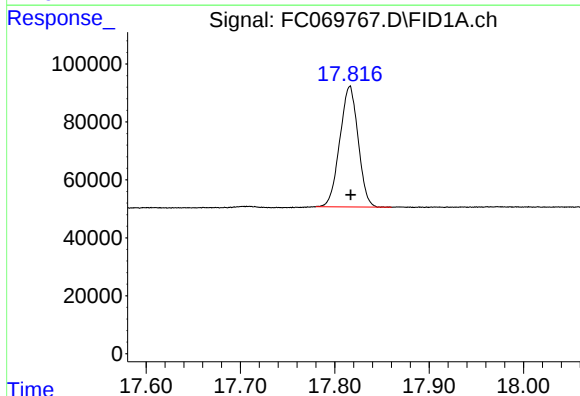
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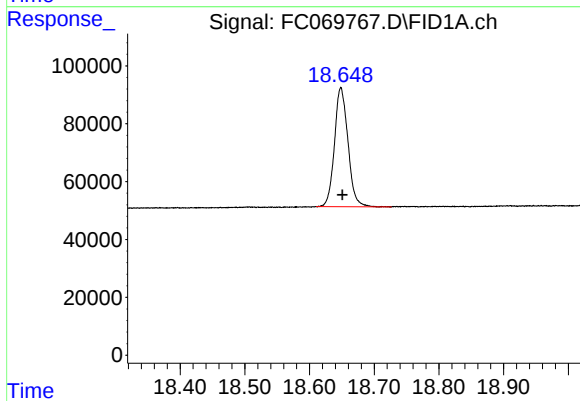
#16 n-Octacosane (C28)

R.T.: 16.926 min
Delta R.T.: -0.001 min
Response: 558437
Conc: 5.80 ug/ml



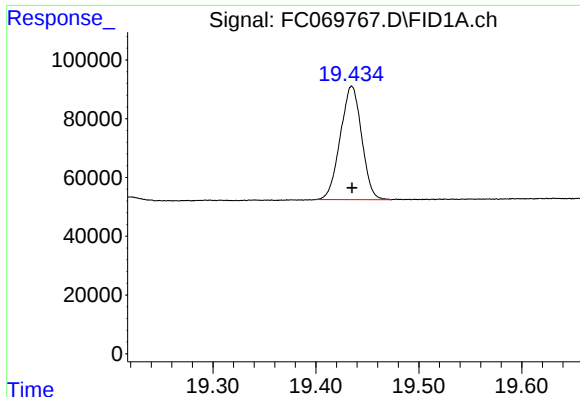
#17 n-Tricontane (C30)

R.T.: 17.816 min
Delta R.T.: -0.001 min
Response: 562046
Conc: 5.84 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.649 min
Delta R.T.: -0.002 min
Response: 596053
Conc: 6.40 ug/ml



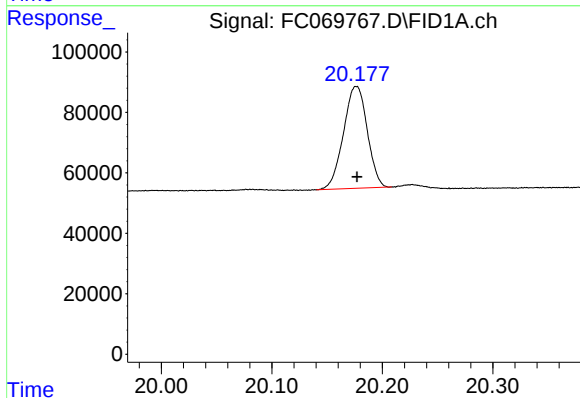
#19 n-Tetratriacontane (C34)

R.T.: 19.435 min
Delta R.T.: 0.000 min
Response: 556380
Conc: 6.45 ug/ml

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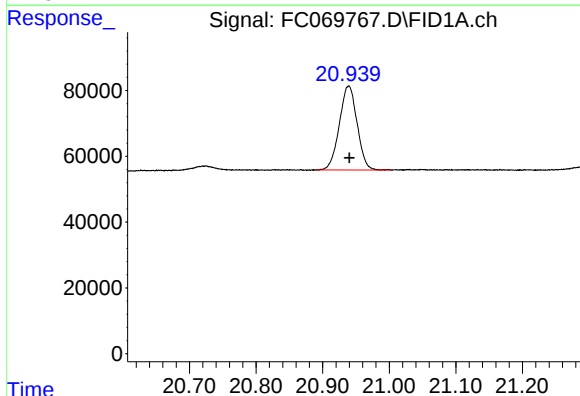
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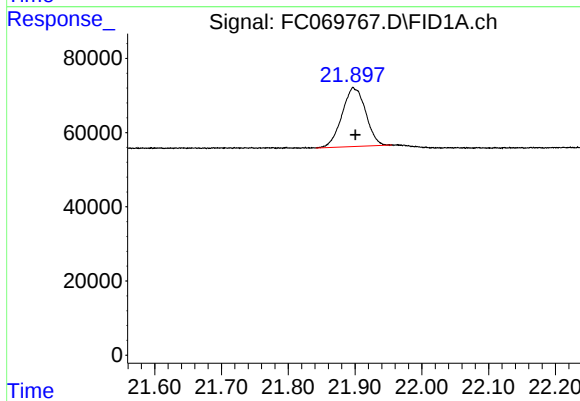
#20 n-Hexatriacontane (C36)

R.T.: 20.176 min
Delta R.T.: 0.000 min
Response: 504381
Conc: 6.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.939 min
Delta R.T.: -0.001 min
Response: 472867
Conc: 6.72 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.897 min
Delta R.T.: -0.004 min
Response: 389362
Conc: 5.86 ug/ml m