

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082825AL\
 Data File : FC069771.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 15:55
 Operator : YP/AJ
 Sample : Q2893-01
 Misc : 4PPM SOIL LOD
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-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 01:19:57 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...	13.098	4361496	45.582 ug/ml
Spiked Amount 50.000		Recovery =	91.16%
Target Compounds			
1) T n-Nonane (C9)	3.397	264957	2.113 ug/ml
2) T n-Decane (C10)	4.467	307640	2.414 ug/ml
4) T n-Dodecane (C12)	6.491	359127	2.803 ug/ml
6) T n-Tetradecane (C14)	8.289	395326	3.100 ug/ml
7) T n-Hexadecane (C16)	9.893	360646	2.793 ug/mlm
8) T n-Octadecane (C18)	11.337	398464	3.178 ug/ml
10) T n-Eicosane (C20)	12.648	391270	3.371 ug/ml
11) T n-Heneicosane (C21)	13.261	353889	3.165 ug/ml
13) T n-Docosane (C22)	13.848	357066	3.272 ug/ml
14) T n-Tetracosane (C24)	14.954	342133	3.262 ug/mlm
15) T n-Hexacosane (C26)	15.975	321587	3.209 ug/mlm
16) T n-Octacosane (C28)	16.927	315477	3.277 ug/ml
17) T n-Tricontane (C30)	17.816	317024	3.296 ug/ml
18) T n-Dotriacontane (C32)	18.651	321822	3.455 ug/ml
19) T n-Tetratriacontane (C34)	19.434	306385	3.550 ug/ml
20) T n-Hexatriacontane (C36)	20.177	281637	3.692 ug/ml
21) T n-Octatriacontane (C38)	20.939	257072	3.656 ug/ml
22) T n-Tetracontane (C40)	21.901	223945	3.371 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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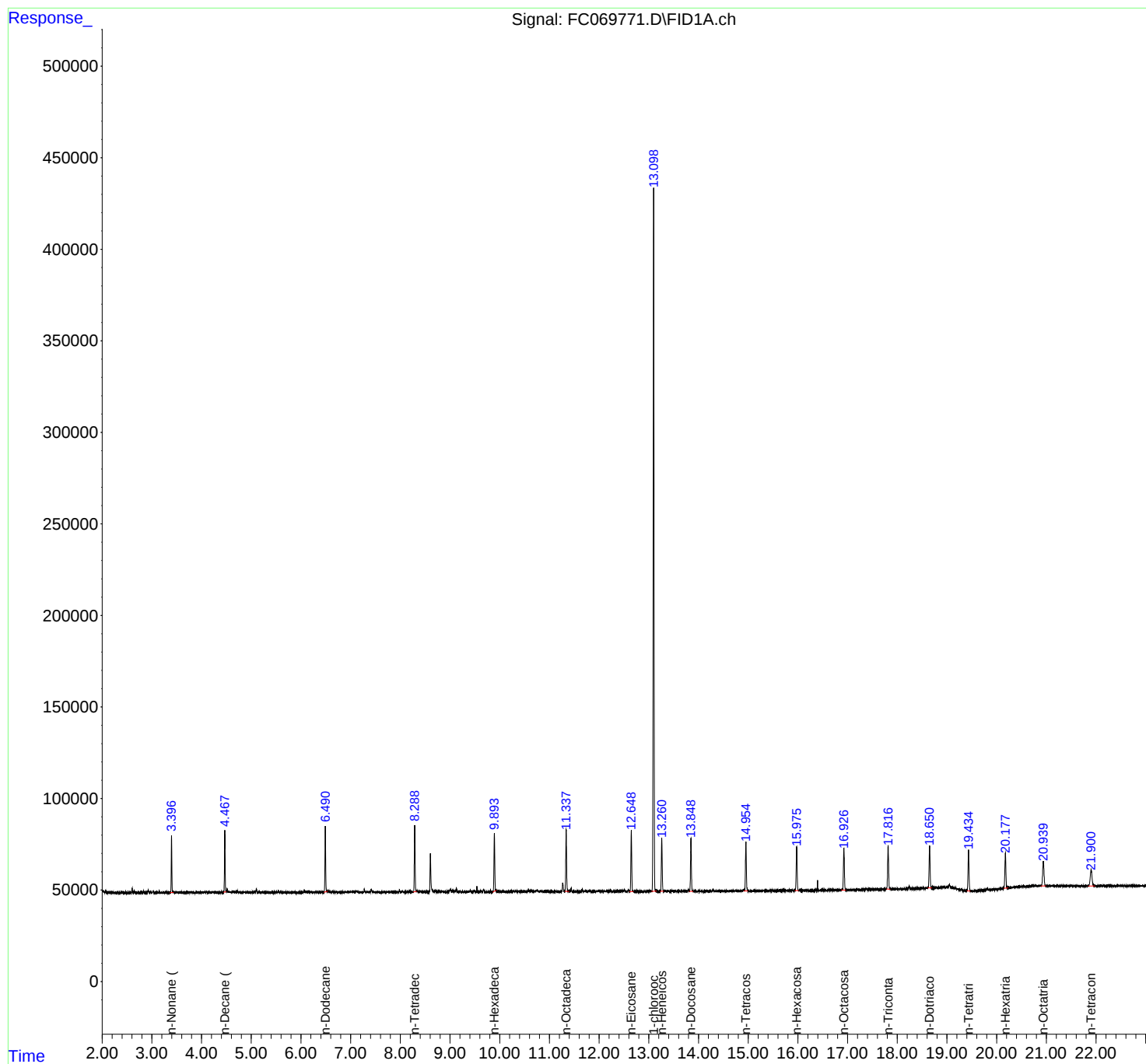
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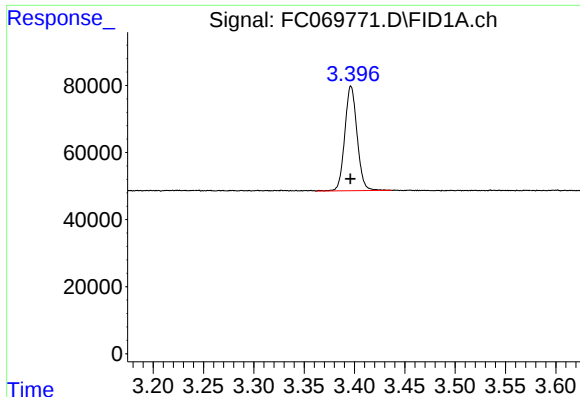
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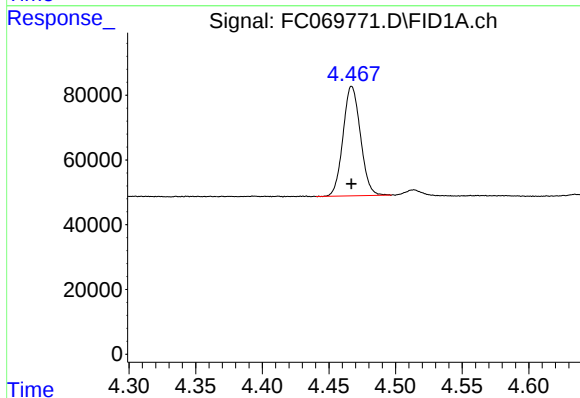
#1 n-Nonane (C9)

R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 264957
Conc: 2.11 ug/ml

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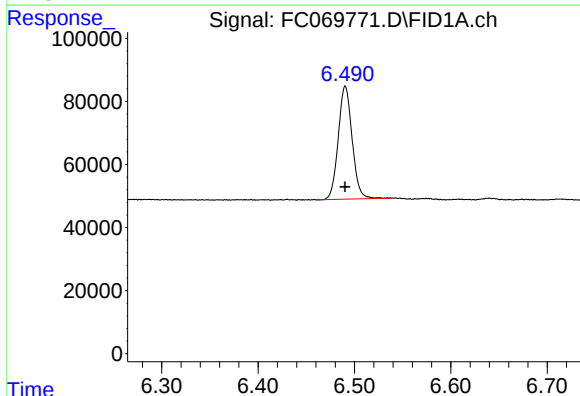
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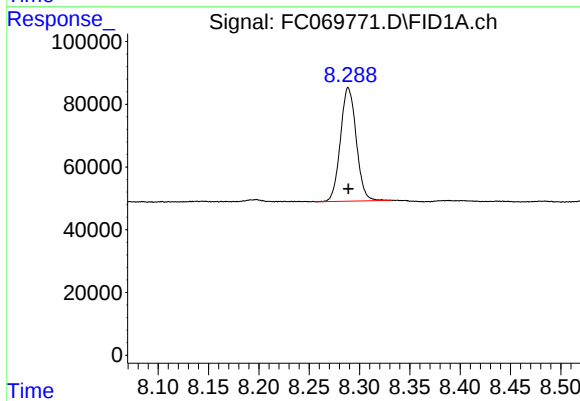
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: 0.000 min
Response: 307640
Conc: 2.41 ug/ml



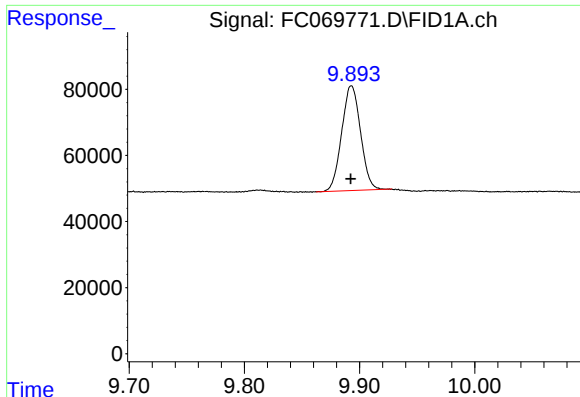
#4 n-Dodecane (C12)

R.T.: 6.491 min
Delta R.T.: 0.000 min
Response: 359127
Conc: 2.80 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.289 min
Delta R.T.: 0.000 min
Response: 395326
Conc: 3.10 ug/ml



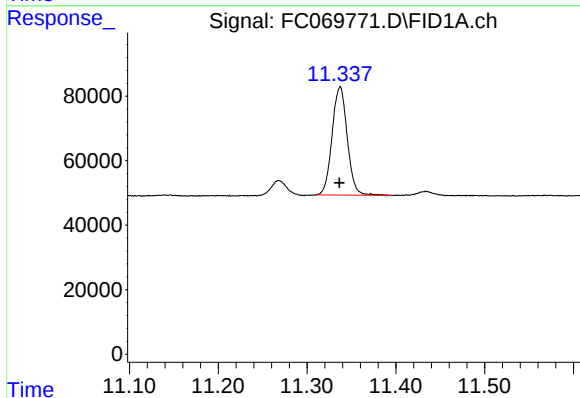
#7 n-Hexadecane (C16)

R.T.: 9.893 min
Delta R.T.: 0.000 min
Response: 360646
Conc: 2.79 ug/ml

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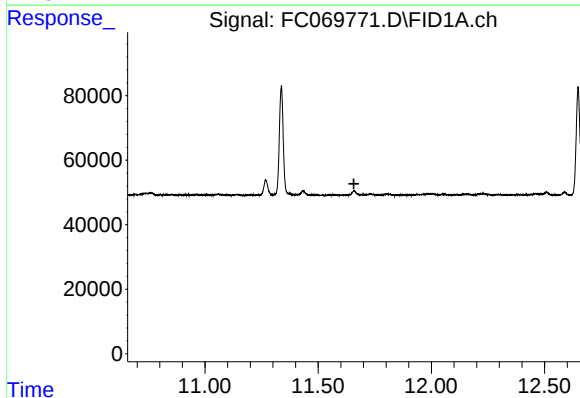
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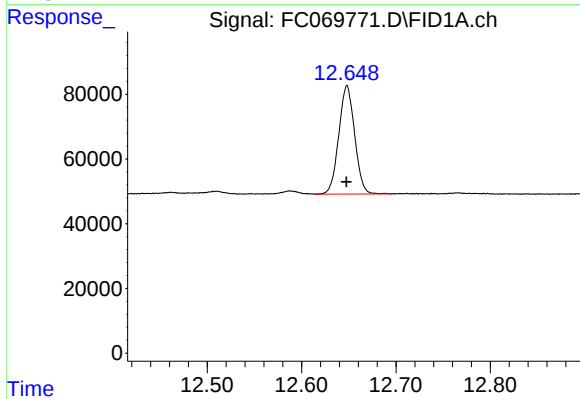
#8 n-Octadecane (C18)

R.T.: 11.337 min
Delta R.T.: 0.000 min
Response: 398464
Conc: 3.18 ug/ml



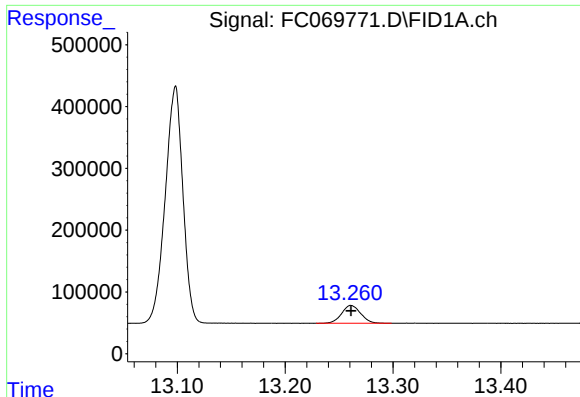
#9 ortho-Terphenyl (SURR)

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: 391270
Conc: 3.37 ug/ml



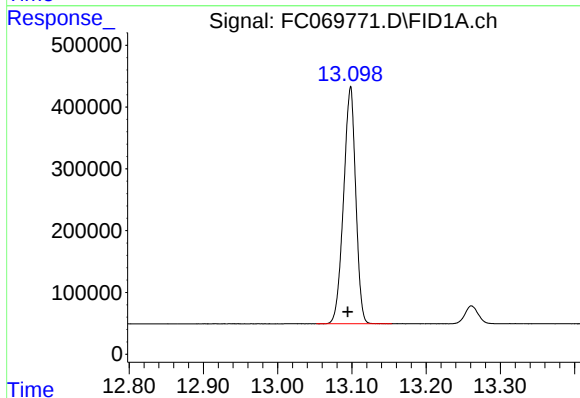
#11 n-Heneicosane (C21)

R.T.: 13.261 min
Delta R.T.: 0.000 min
Response: 353889
Conc: 3.16 ug/ml

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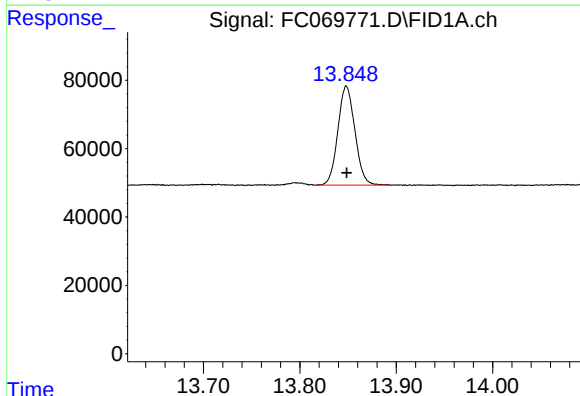
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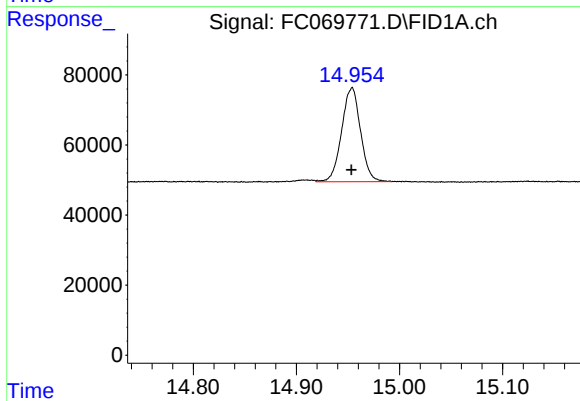
#12 1-chlorooctadecane (SURR)

R.T.: 13.098 min
Delta R.T.: 0.004 min
Response: 4361496
Conc: 45.58 ug/ml



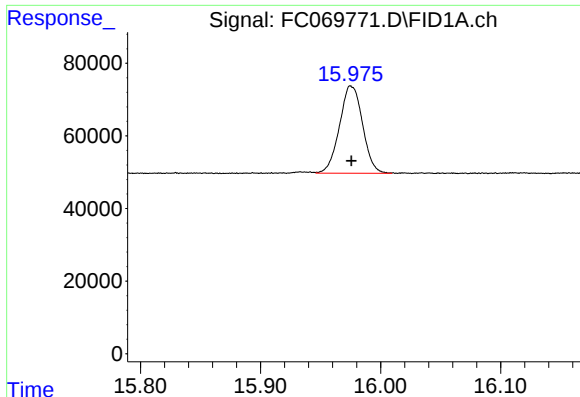
#13 n-Docosane (C22)

R.T.: 13.848 min
Delta R.T.: 0.000 min
Response: 357066
Conc: 3.27 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.954 min
Delta R.T.: 0.000 min
Response: 342133
Conc: 3.26 ug/ml m



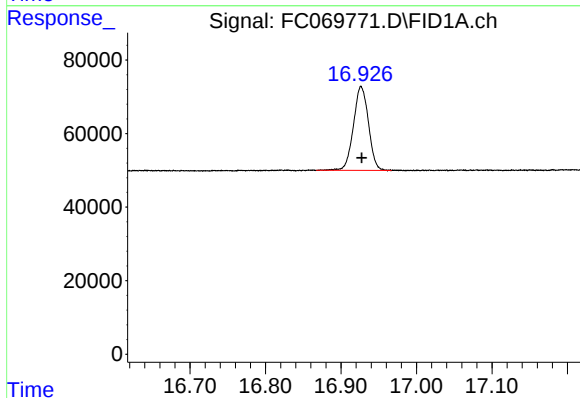
#15 n-Hexacosane (C26)

R.T.: 15.975 min
Delta R.T.: 0.000 min
Response: 321587
Conc: 3.21 ug/ml

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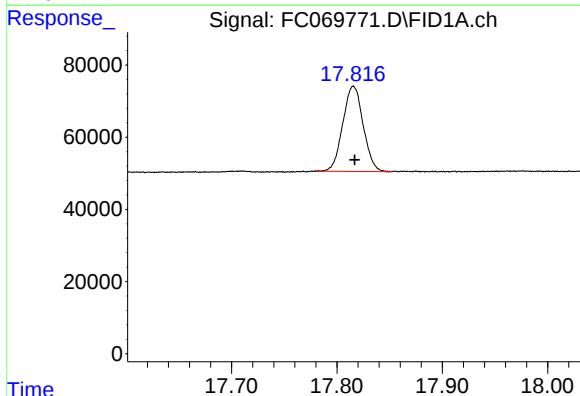
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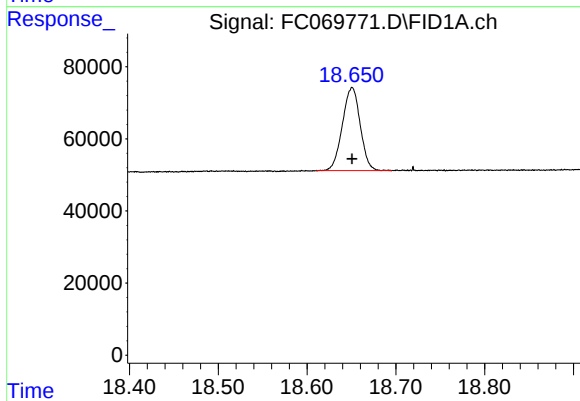
#16 n-Octacosane (C28)

R.T.: 16.927 min
Delta R.T.: 0.000 min
Response: 315477
Conc: 3.28 ug/ml



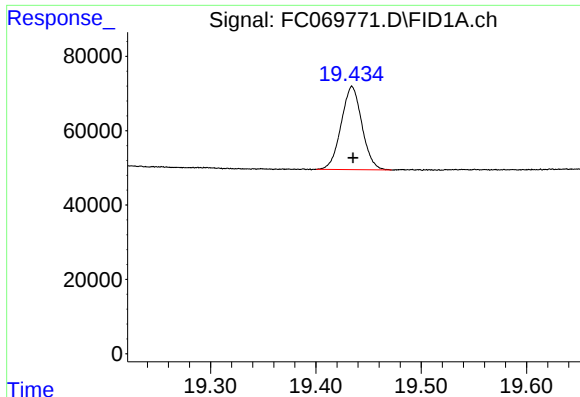
#17 n-Tricontane (C30)

R.T.: 17.816 min
Delta R.T.: -0.001 min
Response: 317024
Conc: 3.30 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.651 min
Delta R.T.: 0.000 min
Response: 321822
Conc: 3.45 ug/ml



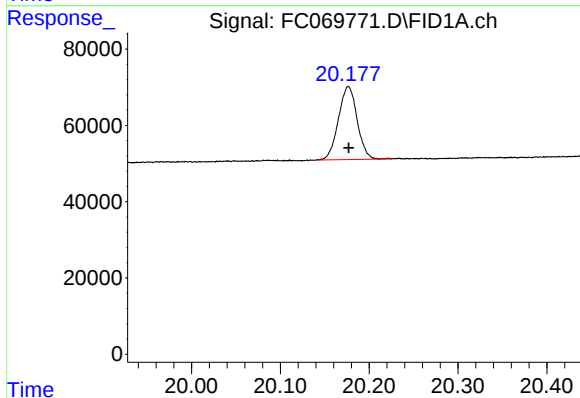
#19 n-Tetratriacontane (C34)

R.T.: 19.434 min
Delta R.T.: 0.000 min
Response: 306385
Conc: 3.55 ug/ml

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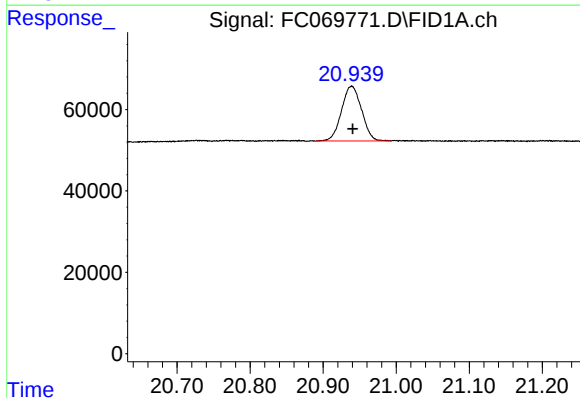
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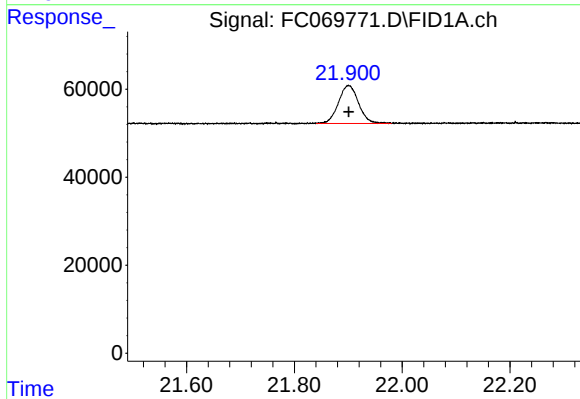
#20 n-Hexatriacontane (C36)

R.T.: 20.177 min
Delta R.T.: 0.000 min
Response: 281637
Conc: 3.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.939 min
Delta R.T.: -0.001 min
Response: 257072
Conc: 3.66 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.901 min
Delta R.T.: 0.000 min
Response: 223945
Conc: 3.37 ug/ml