

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069196.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 00:04
 Operator : YP/AJ
 Sample : Q2126-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 02:19:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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...	13.114	2935359	32.719 ug/ml
Spiked Amount 50.000		Recovery =	65.44%
Target Compounds			
1) T n-Nonane (C9)	3.406	190336	1.794 ug/ml
2) T n-Decane (C10)	4.480	223617	2.111 ug/ml
4) T n-Dodecane (C12)	6.505	269362	2.562 ug/mlm
6) T n-Tetradecane (C14)	8.304	279388	2.726 ug/ml
7) T n-Hexadecane (C16)	9.909	272392	2.685 ug/mlm
8) T n-Octadecane (C18)	11.353	280326	2.805 ug/mlm
10) T n-Eicosane (C20)	12.665	275670	2.830 ug/ml
11) T n-Heneicosane (C21)	13.279	256778	2.668 ug/ml
13) T n-Docosane (C22)	13.865	265887	2.791 ug/mlm
14) T n-Tetracosane (C24)	14.972	258194	2.742 ug/ml
15) T n-Hexacosane (C26)	15.994	252192	2.716 ug/ml
16) T n-Octacosane (C28)	16.946	254396	2.737 ug/ml
17) T n-Tricontane (C30)	17.834	258757	2.674 ug/ml
18) T n-Dotriacontane (C32)	18.669	268221	2.707 ug/ml
19) T n-Tetratriacontane (C34)	19.455	257815	2.675 ug/ml
20) T n-Hexatriacontane (C36)	20.196	233091	2.455 ug/ml
21) T n-Octatriacontane (C38)	20.965	213096	2.336 ug/ml
22) T n-Tetracontane (C40)	21.931	201697	2.286 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : Q2126-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

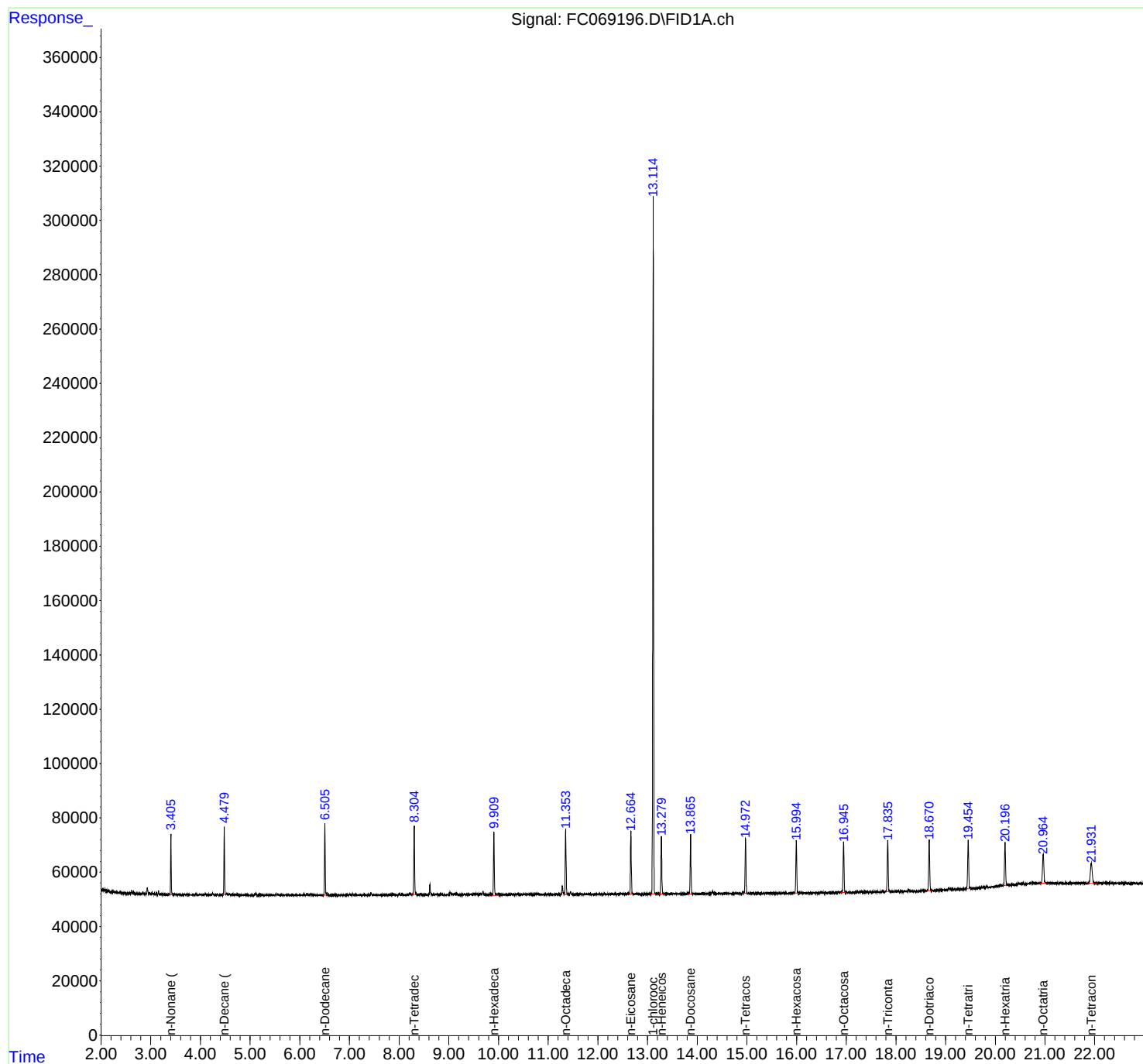
Instrument :
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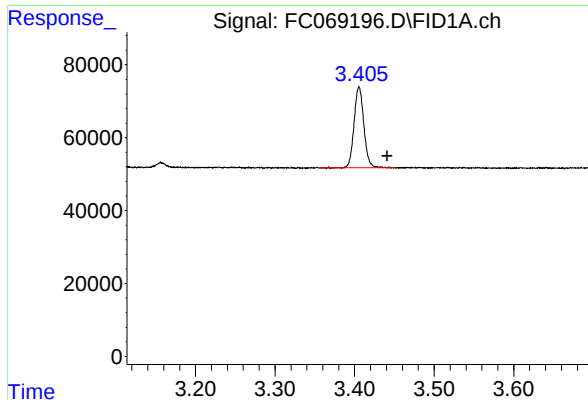
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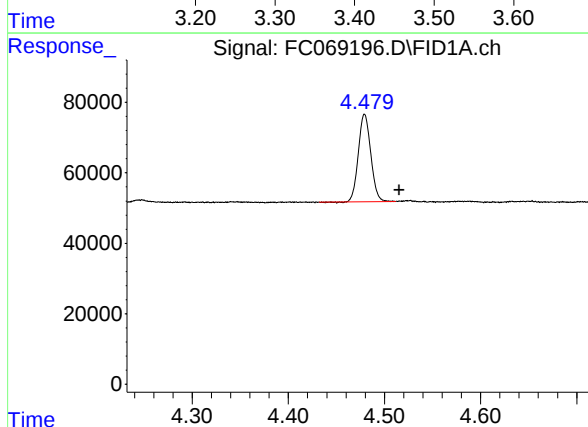
#1 n-Nonane (C9)

R.T.: 3.406 min
Delta R.T.: -0.035 min
Response: 190336
Conc: 1.79 ug/ml

Instrument :
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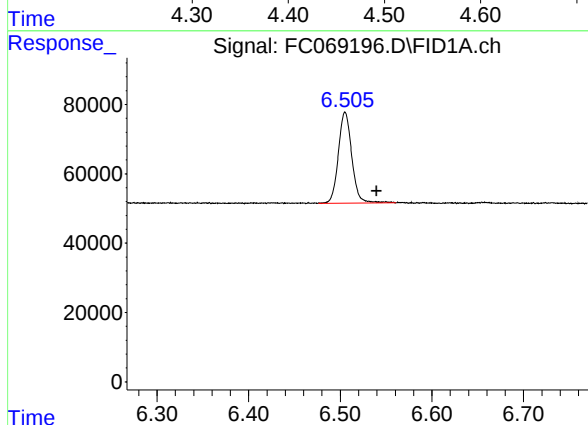
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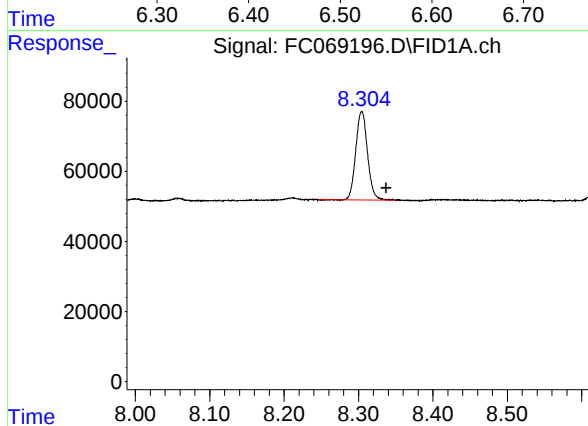
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.036 min
Response: 223617
Conc: 2.11 ug/ml



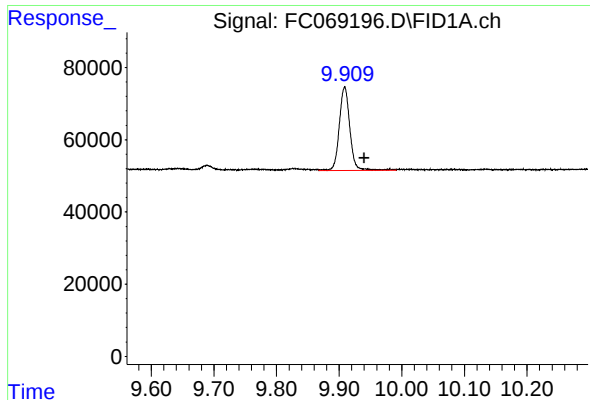
#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.035 min
Response: 269362
Conc: 2.56 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.033 min
Response: 279388
Conc: 2.73 ug/ml



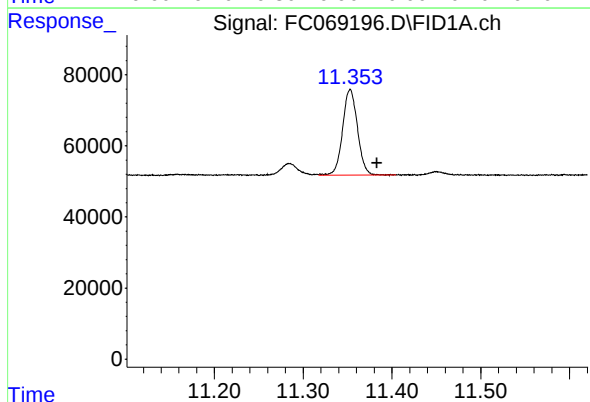
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 272392
Conc: 2.68 ug/ml

Instrument : FID_C
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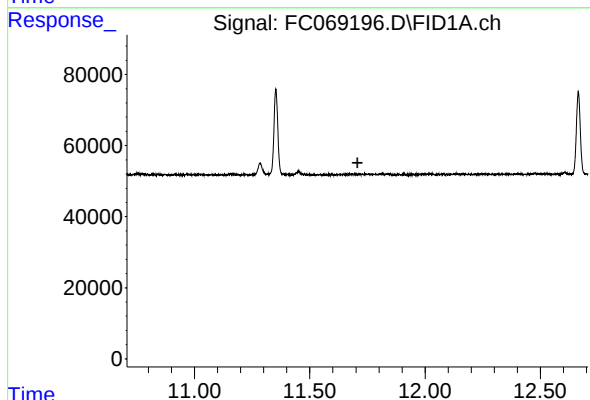
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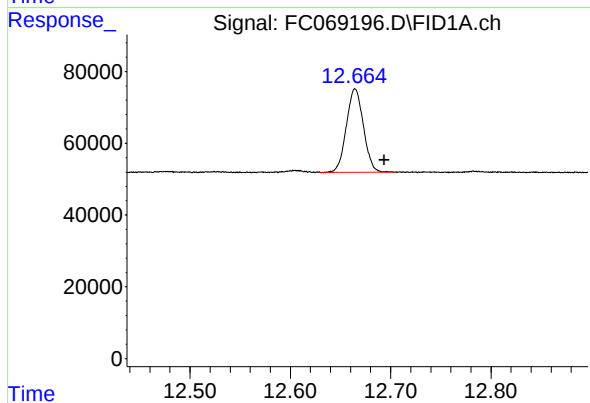
#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 280326
Conc: 2.80 ug/ml m



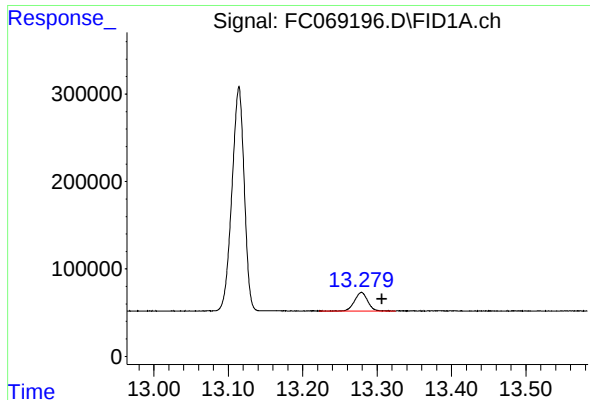
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.707 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.029 min
Response: 275670
Conc: 2.83 ug/ml



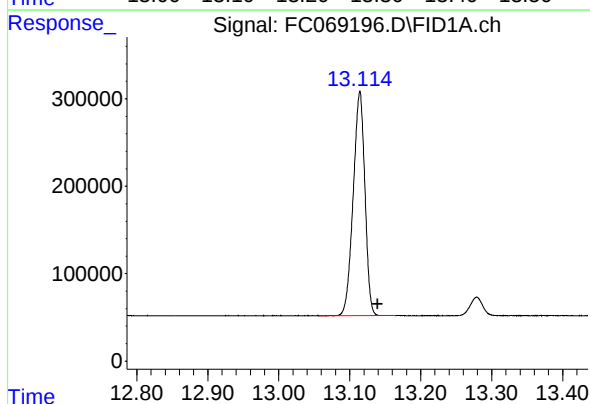
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 256778
Conc: 2.67 ug/ml

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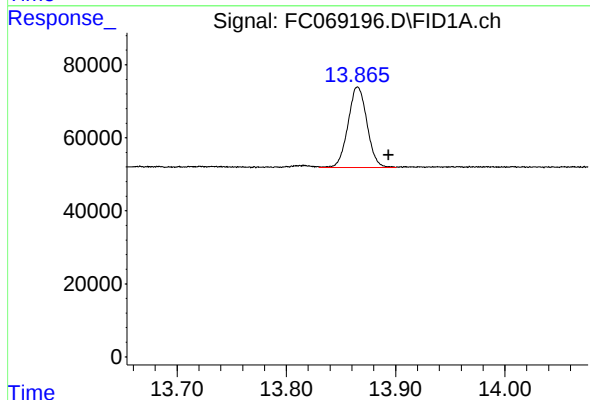
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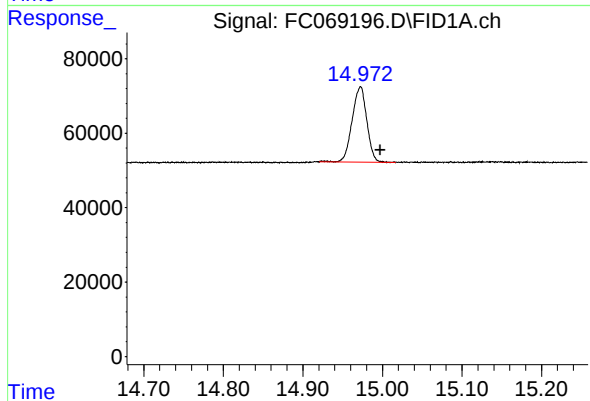
#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: -0.025 min
Response: 2935359
Conc: 32.72 ug/ml



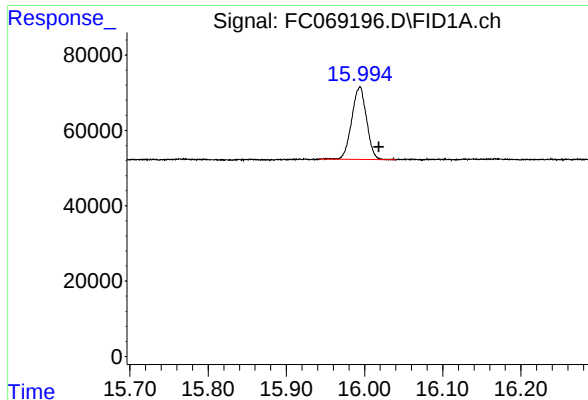
#13 n-Docosane (C22)

R.T.: 13.865 min
Delta R.T.: -0.029 min
Response: 265887
Conc: 2.79 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 258194
Conc: 2.74 ug/ml



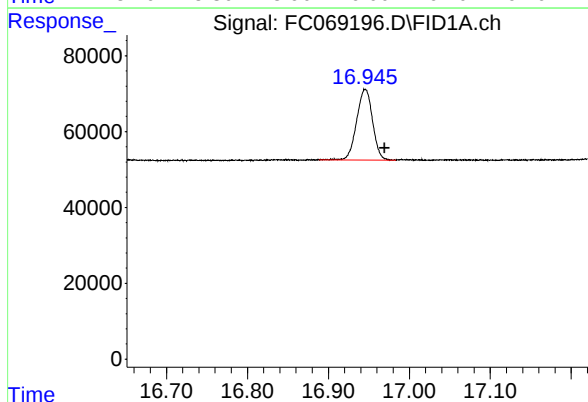
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.025 min
Response: 252192
Conc: 2.72 ug/ml

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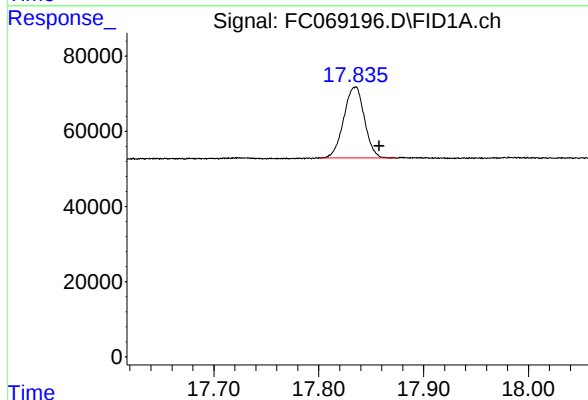
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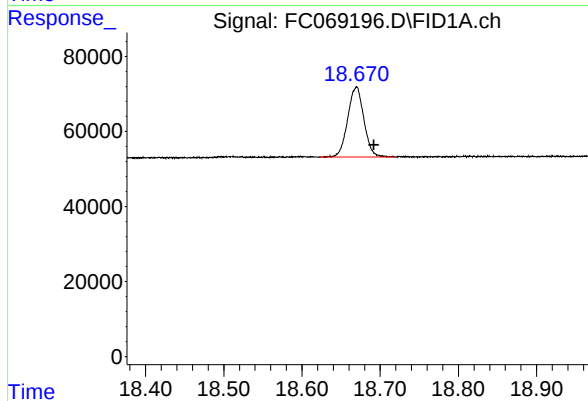
#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.024 min
Response: 254396
Conc: 2.74 ug/ml



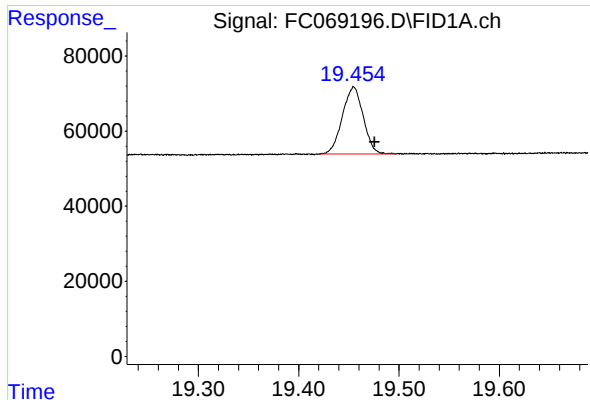
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.023 min
Response: 258757
Conc: 2.67 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: -0.023 min
Response: 268221
Conc: 2.71 ug/ml



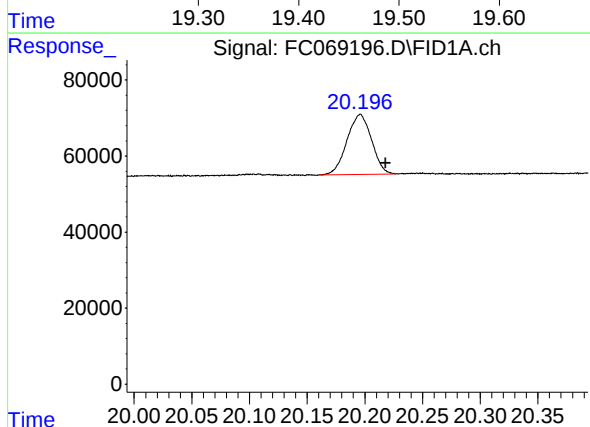
#19 n-Tetratriacontane (C34)

R.T.: 19.455 min
Delta R.T.: -0.021 min
Response: 257815
Conc: 2.68 ug/ml

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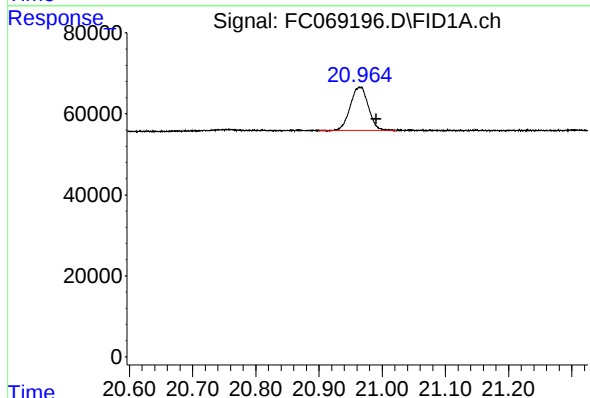
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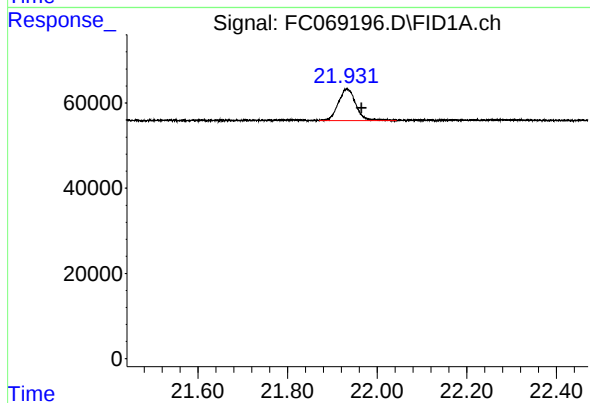
#20 n-Hexatriacontane (C36)

R.T.: 20.196 min
Delta R.T.: -0.022 min
Response: 233091
Conc: 2.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.965 min
Delta R.T.: -0.026 min
Response: 213096
Conc: 2.34 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.931 min
Delta R.T.: -0.034 min
Response: 201697
Conc: 2.29 ug/ml m