

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082525AL\
 Data File : FC069719.D
 Signal(s) : FID1A.ch
 Acq On : 25 Aug 2025 11:00
 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 08/26/2025
 Supervised By :mohammad ahmed 08/27/2025

Integration File: sample.E
 Quant Time: Aug 26 02:09:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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)	11.663	2940772	19.712 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
12) S 1-chlorooctadecane (S...	13.098	2094583	19.212 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
Target Compounds			
1) T n-Nonane (C9)	3.397	2746177	19.275 ug/ml
2) T n-Decane (C10)	4.469	2842149	19.550 ug/ml
3) T A~Naphthalene (C11.7)	6.063	3019417	19.460 ug/ml
4) T n-Dodecane (C12)	6.494	2855247	19.532 ug/ml
5) T A~2-methylnaphthalene...	7.122	2876429	19.531 ug/ml
6) T n-Tetradecane (C14)	8.293	2833391	19.854 ug/ml
7) T n-Hexadecane (C16)	9.897	2879121	19.972 ug/ml
8) T n-Octadecane (C18)	11.341	2821689	19.954 ug/ml
10) T n-Eicosane (C20)	12.652	2607283	19.793 ug/ml
11) T n-Heneicosane (C21)	13.265	2520682	19.763 ug/ml
13) T n-Docosane (C22)	13.853	2471403	19.784 ug/ml
14) T n-Tetracosane (C24)	14.957	2377295	19.701 ug/ml
15) T n-Hexacosane (C26)	15.980	2284250	19.768 ug/ml
16) T n-Octacosane (C28)	16.931	2232255	19.915 ug/ml
17) T n-Tricontane (C30)	17.820	2314649	20.216 ug/ml
18) T n-Dotriacontane (C32)	18.655	2308192	20.779 ug/ml
19) T n-Tetratriacontane (C34)	19.441	2110010	20.722 ug/ml
20) T n-Hexatriacontane (C36)	20.182	1782825	19.995 ug/ml
21) T n-Octatriacontane (C38)	20.946	1490165	18.525 ug/ml
22) T n-Tetracontane (C40)	21.906	1199770	16.022 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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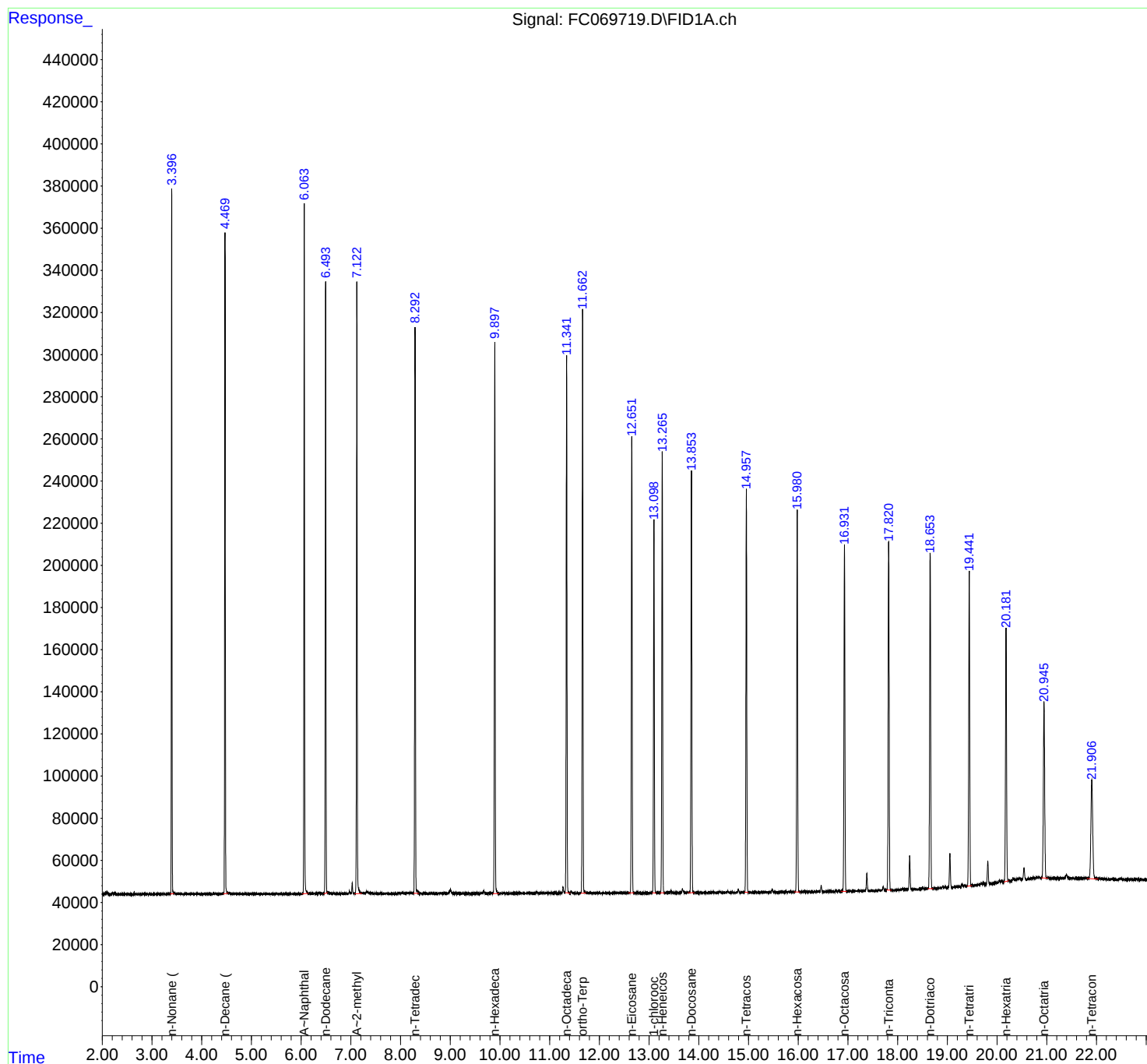
Instrument :
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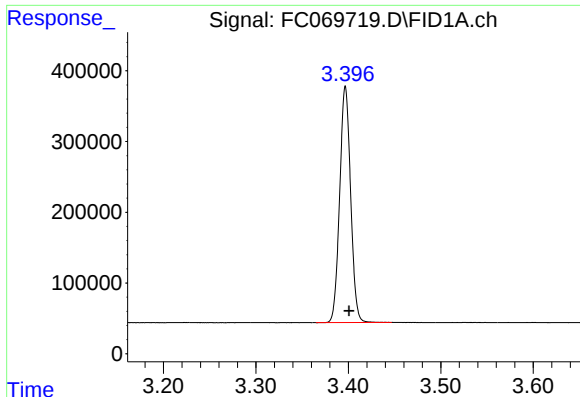
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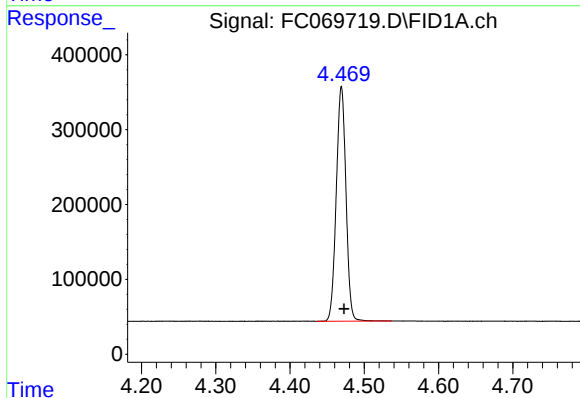
#1 n-Nonane (C9)

R.T.: 3.397 min
Delta R.T.: -0.004 min
Response: 2746177
Conc: 19.28 ug/ml

Instrument :
FID_C
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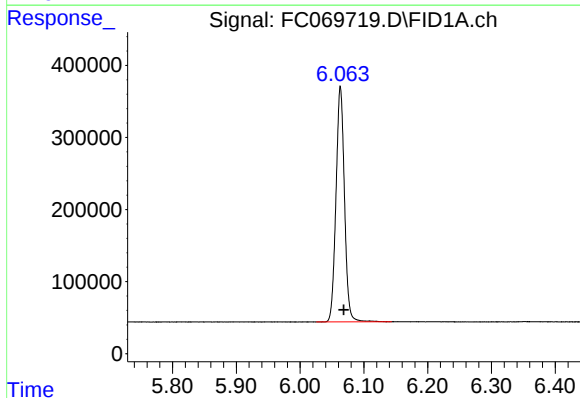
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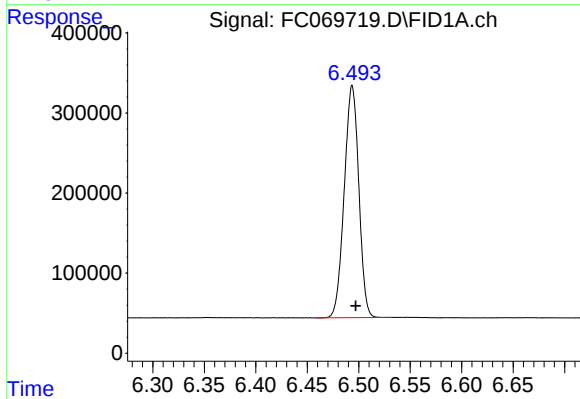
#2 n-Decane (C10)

R.T.: 4.469 min
Delta R.T.: -0.004 min
Response: 2842149
Conc: 19.55 ug/ml



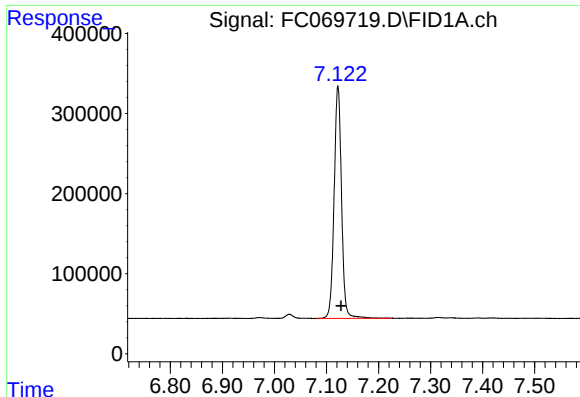
#3 A~Naphthalene (C11.7)

R.T.: 6.063 min
Delta R.T.: -0.005 min
Response: 3019417
Conc: 19.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.494 min
Delta R.T.: -0.003 min
Response: 2855247
Conc: 19.53 ug/ml



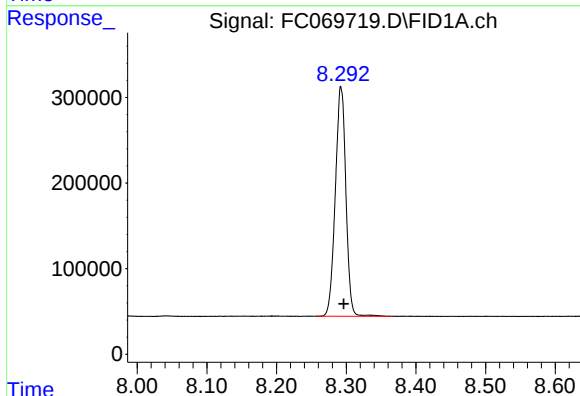
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.122 min
Delta R.T.: -0.006 min
Response: 2876429
Conc: 19.53 ug/ml

Instrument :
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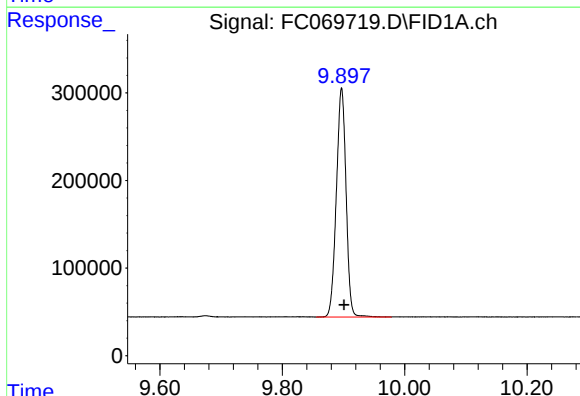
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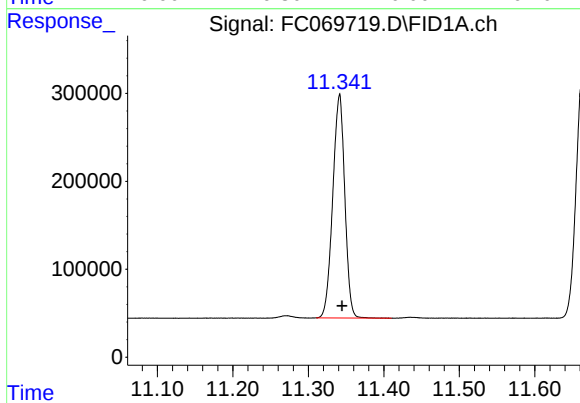
#6 n-Tetradecane (C14)

R.T.: 8.293 min
Delta R.T.: -0.004 min
Response: 2833391
Conc: 19.85 ug/ml



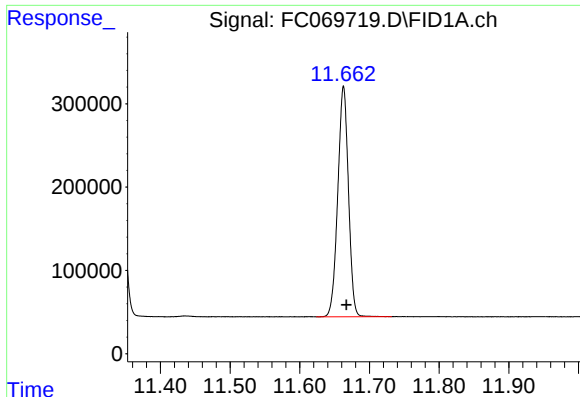
#7 n-Hexadecane (C16)

R.T.: 9.897 min
Delta R.T.: -0.004 min
Response: 2879121
Conc: 19.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.341 min
Delta R.T.: -0.004 min
Response: 2821689
Conc: 19.95 ug/ml



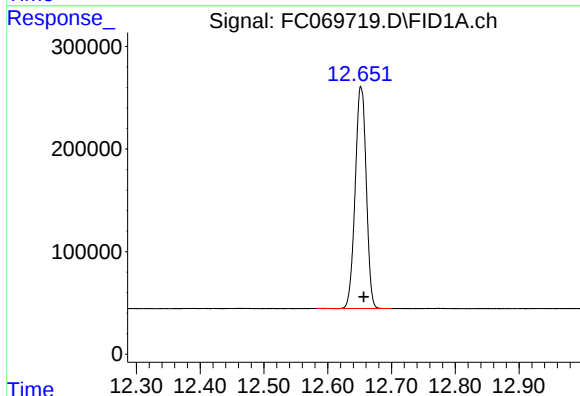
#9 ortho-Terphenyl (SURR)

R.T.: 11.663 min
Delta R.T.: -0.004 min
Response: 2940772
Conc: 19.71 ug/ml

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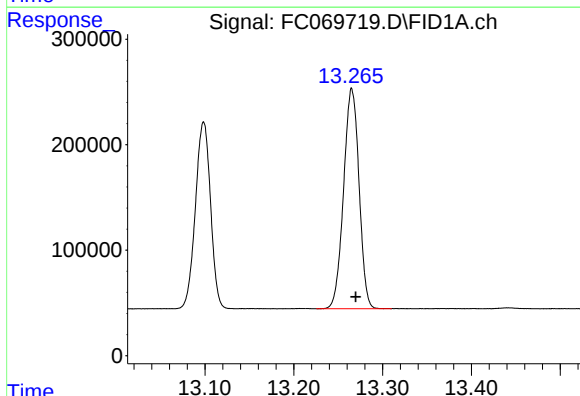
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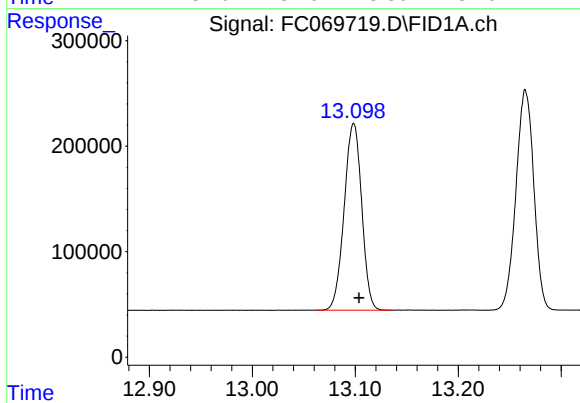
#10 n-Eicosane (C20)

R.T.: 12.652 min
Delta R.T.: -0.004 min
Response: 2607283
Conc: 19.79 ug/ml



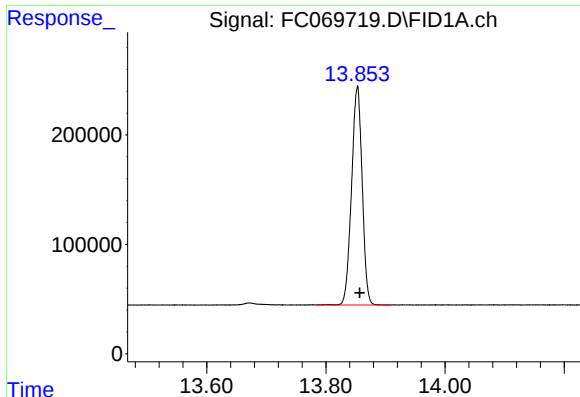
#11 n-Heneicosane (C21)

R.T.: 13.265 min
Delta R.T.: -0.004 min
Response: 2520682
Conc: 19.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.098 min
Delta R.T.: -0.005 min
Response: 2094583
Conc: 19.21 ug/ml



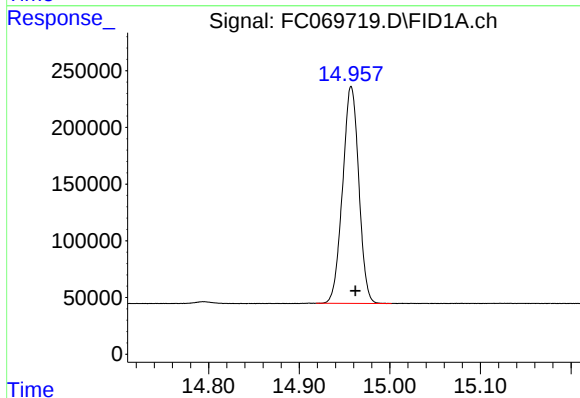
#13 n-Docosane (C22)

R.T.: 13.853 min
Delta R.T.: -0.004 min
Response: 2471403
Conc: 19.78 ug/ml

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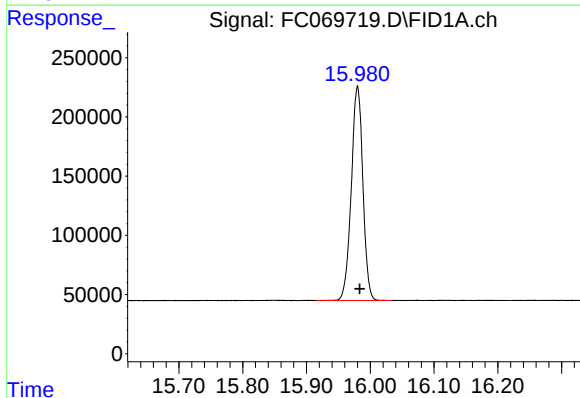
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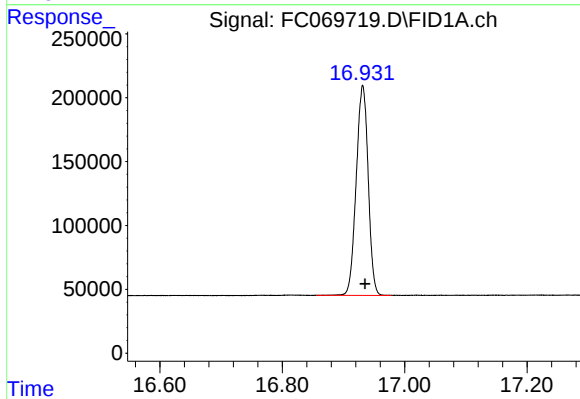
#14 n-Tetracosane (C24)

R.T.: 14.957 min
Delta R.T.: -0.005 min
Response: 2377295
Conc: 19.70 ug/ml



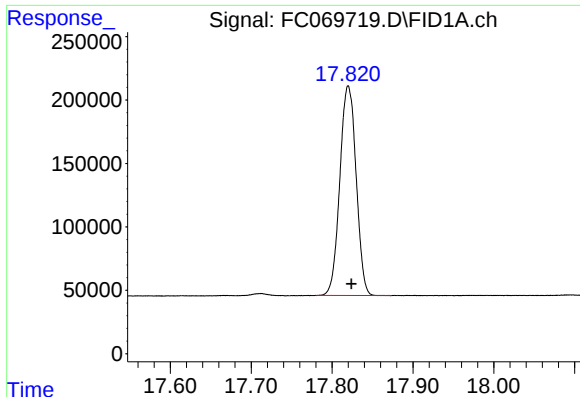
#15 n-Hexacosane (C26)

R.T.: 15.980 min
Delta R.T.: -0.004 min
Response: 2284250
Conc: 19.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.931 min
Delta R.T.: -0.004 min
Response: 2232255
Conc: 19.92 ug/ml



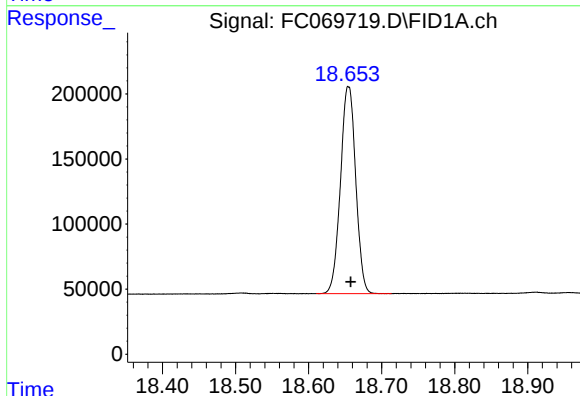
#17 n-Tricontane (C30)

R.T.: 17.820 min
Delta R.T.: -0.004 min
Response: 2314649
Conc: 20.22 ug/ml

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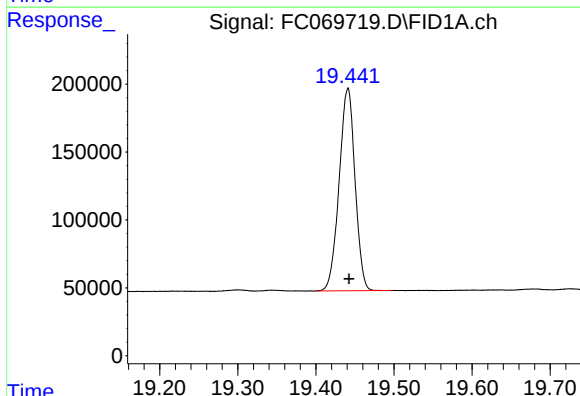
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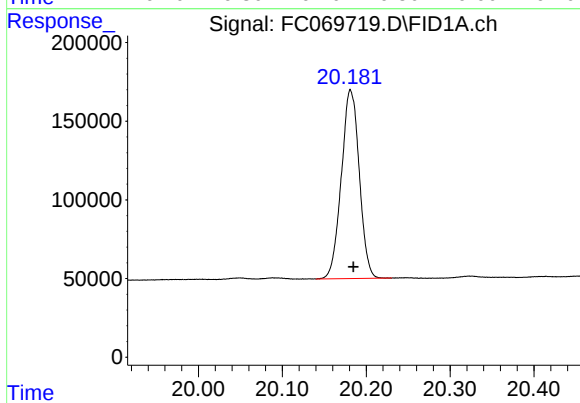
#18 n-Dotriacontane (C32)

R.T.: 18.655 min
Delta R.T.: -0.003 min
Response: 2308192
Conc: 20.78 ug/ml



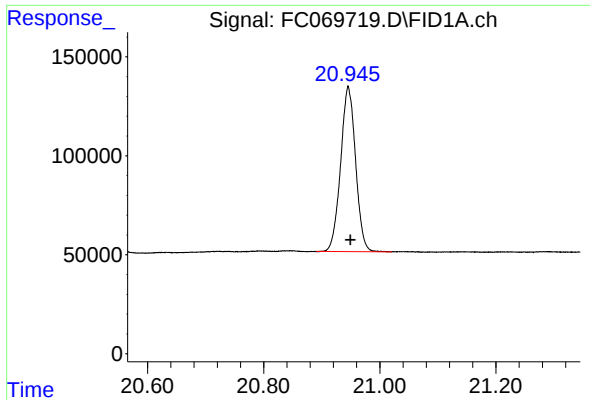
#19 n-Tetratriacontane (C34)

R.T.: 19.441 min
Delta R.T.: -0.002 min
Response: 2110010
Conc: 20.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.182 min
Delta R.T.: -0.003 min
Response: 1782825
Conc: 19.99 ug/ml



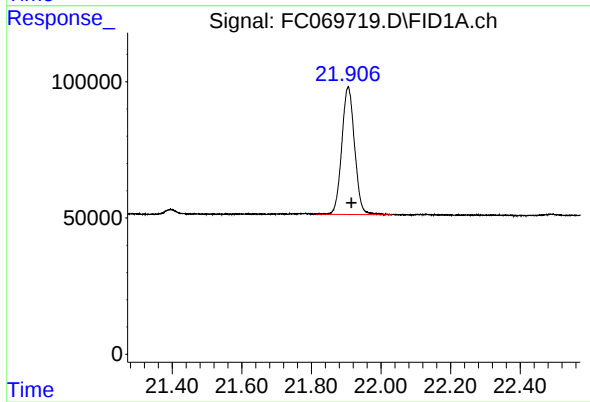
#21 n-Octatriacontane (C38)

R.T.: 20.946 min
Delta R.T.: -0.003 min
Response: 1490165
Conc: 18.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.906 min
Delta R.T.: -0.009 min
Response: 1199770
Conc: 16.02 ug/ml m