

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082825AL\
 Data File : FC069764.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 10:40
 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 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: sample.E
 Quant Time: Aug 29 01:28:48 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			
9) S ortho-Terphenyl (SURR)	11.659	2427642	18.747 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
12) S 1-chlorooctadecane (S...	13.095	1731766	18.099 ug/ml
Spiked Amount 50.000		Recovery =	36.20%
Target Compounds			
1) T n-Nonane (C9)	3.395	2389966	19.064 ug/ml
2) T n-Decane (C10)	4.467	2426939	19.047 ug/ml
3) T A~Naphthalene (C11.7)	6.060	2545713	18.924 ug/ml
4) T n-Dodecane (C12)	6.491	2437554	19.023 ug/ml
5) T A~2-methylnaphthalene...	7.120	2407991	18.802 ug/ml
6) T n-Tetradecane (C14)	8.289	2412163	18.913 ug/ml
7) T n-Hexadecane (C16)	9.893	2432362	18.835 ug/ml
8) T n-Octadecane (C18)	11.337	2346666	18.716 ug/ml
10) T n-Eicosane (C20)	12.649	2164627	18.649 ug/ml
11) T n-Heneicosane (C21)	13.261	2078545	18.588 ug/ml
13) T n-Docosane (C22)	13.849	2020901	18.518 ug/ml
14) T n-Tetracosane (C24)	14.953	1935593	18.456 ug/ml
15) T n-Hexacosane (C26)	15.976	1847946	18.439 ug/ml
16) T n-Octacosane (C28)	16.927	1776665	18.452 ug/ml
17) T n-Tricontane (C30)	17.816	1772004	18.425 ug/ml
18) T n-Dotriacontane (C32)	18.650	1707354	18.329 ug/ml
19) T n-Tetratriacontane (C34)	19.435	1563657	18.120 ug/ml
20) T n-Hexatriacontane (C36)	20.176	1349187	17.685 ug/ml
21) T n-Octatriacontane (C38)	20.938	1172197	16.669 ug/ml
22) T n-Tetracontane (C40)	21.895	999321	15.043 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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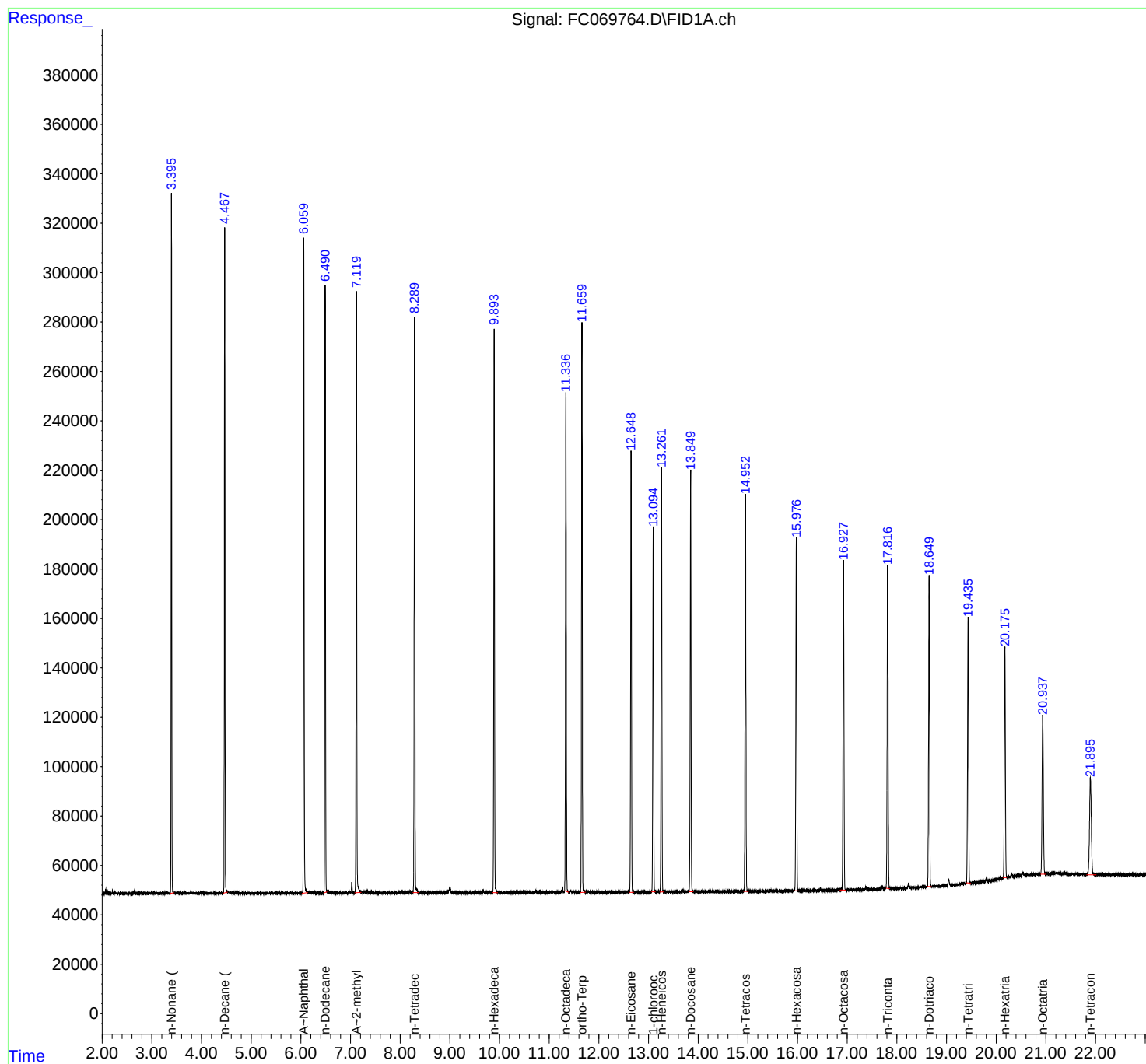
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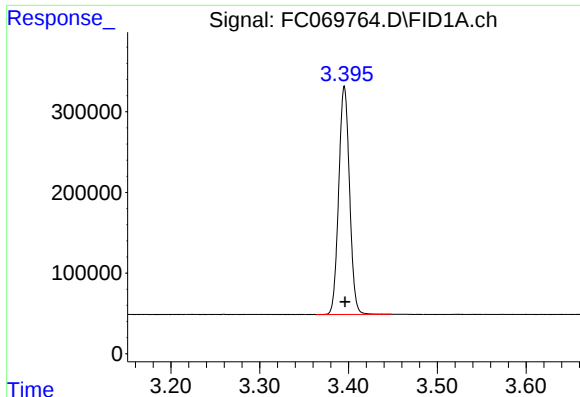
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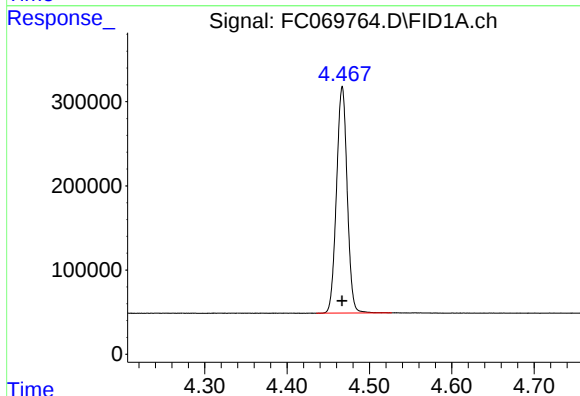
#1 n-Nonane (C9)

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 2389966
Conc: 19.06 ug/ml

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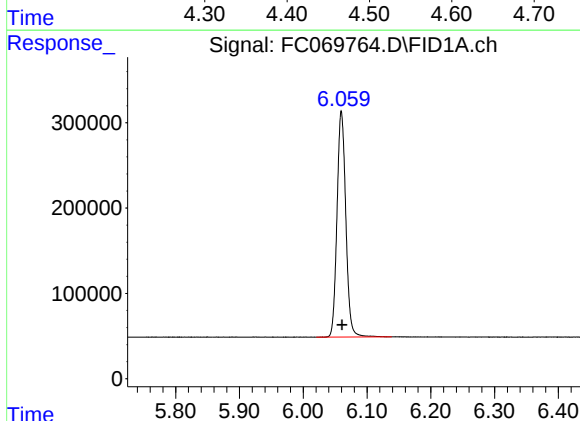
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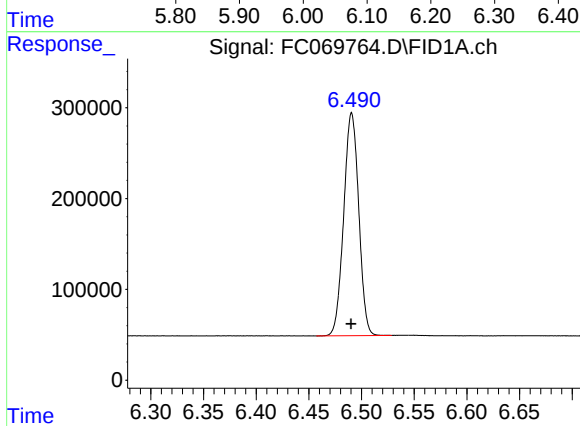
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: 0.000 min
Response: 2426939
Conc: 19.05 ug/ml



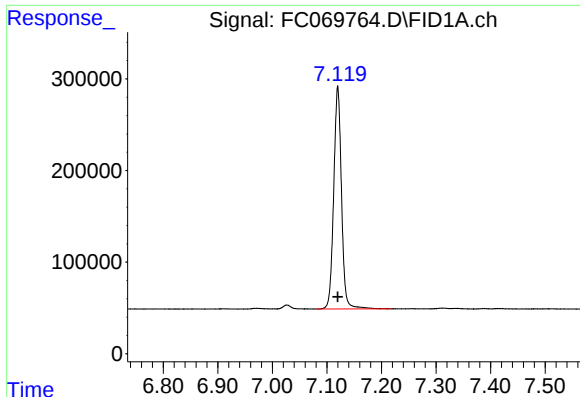
#3 A~Naphthalene (C11.7)

R.T.: 6.060 min
Delta R.T.: -0.001 min
Response: 2545713
Conc: 18.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.491 min
Delta R.T.: 0.000 min
Response: 2437554
Conc: 19.02 ug/ml



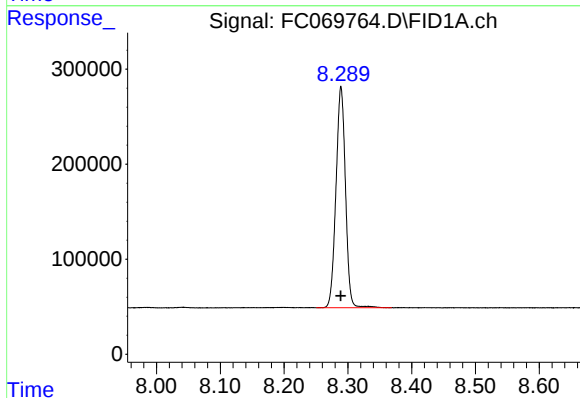
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 2407991
Conc: 18.80 ug/ml

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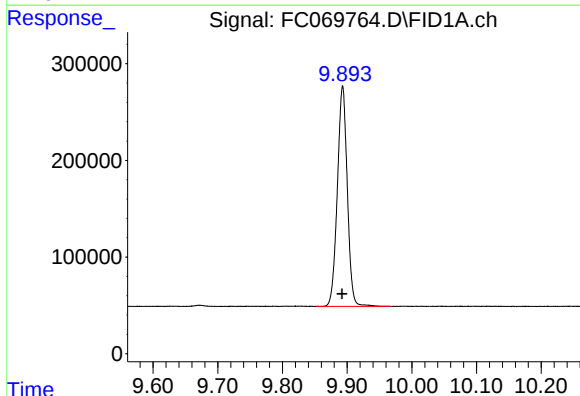
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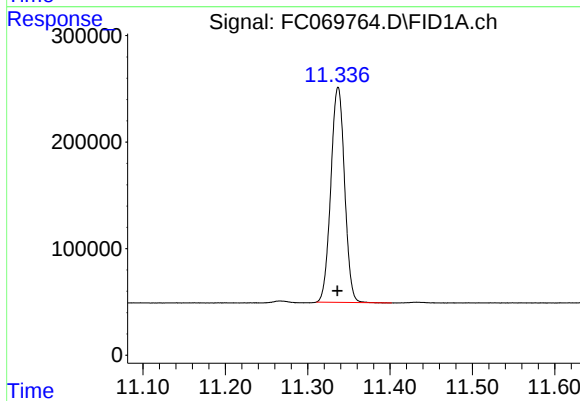
#6 n-Tetradecane (C14)

R.T.: 8.289 min
Delta R.T.: 0.000 min
Response: 2412163
Conc: 18.91 ug/ml



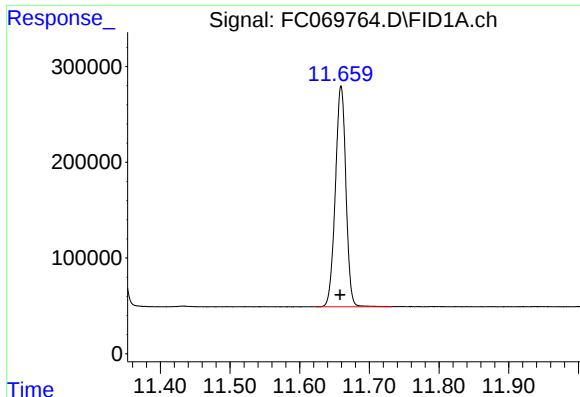
#7 n-Hexadecane (C16)

R.T.: 9.893 min
Delta R.T.: 0.000 min
Response: 2432362
Conc: 18.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.337 min
Delta R.T.: 0.000 min
Response: 2346666
Conc: 18.72 ug/ml



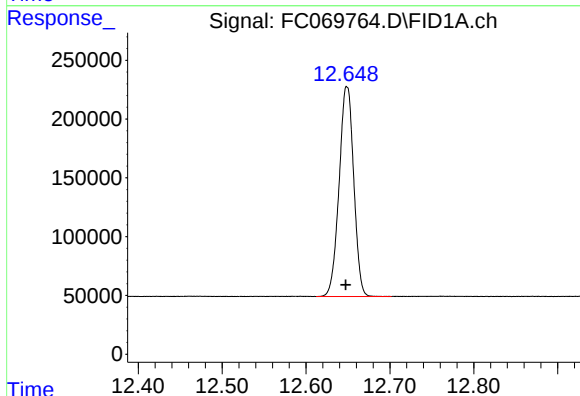
#9 ortho-Terphenyl (SURR)

R.T.: 11.659 min
Delta R.T.: 0.002 min
Response: 2427642
Conc: 18.75 ug/ml

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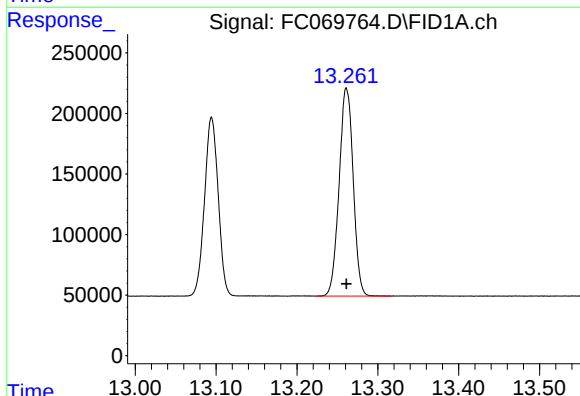
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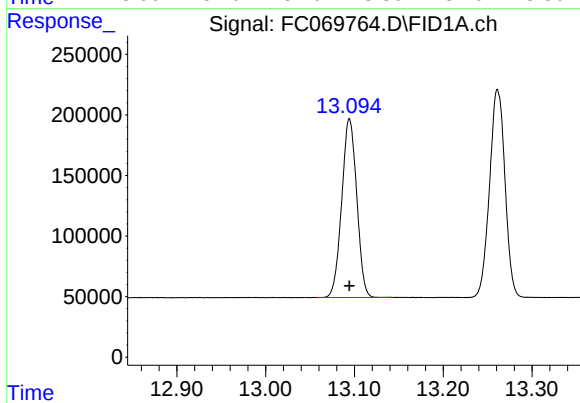
#10 n-Eicosane (C20)

R.T.: 12.649 min
Delta R.T.: 0.001 min
Response: 2164627
Conc: 18.65 ug/ml



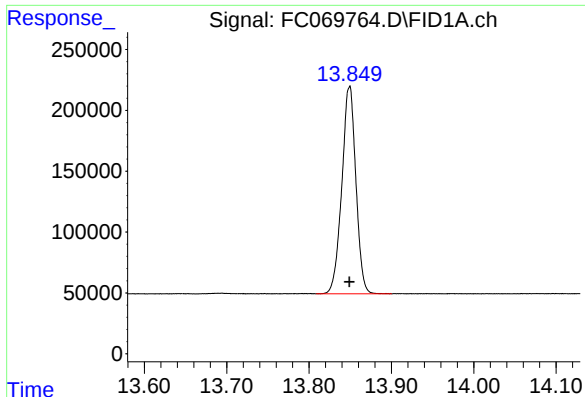
#11 n-Heneicosane (C21)

R.T.: 13.261 min
Delta R.T.: 0.000 min
Response: 2078545
Conc: 18.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.095 min
Delta R.T.: 0.000 min
Response: 1731766
Conc: 18.10 ug/ml



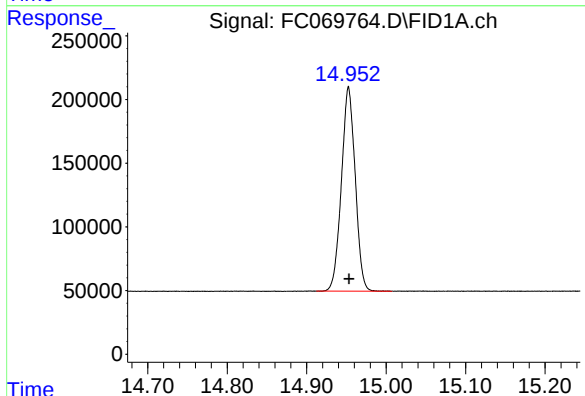
#13 n-Docosane (C22)

R.T.: 13.849 min
Delta R.T.: 0.000 min
Response: 2020901
Conc: 18.52 ug/ml

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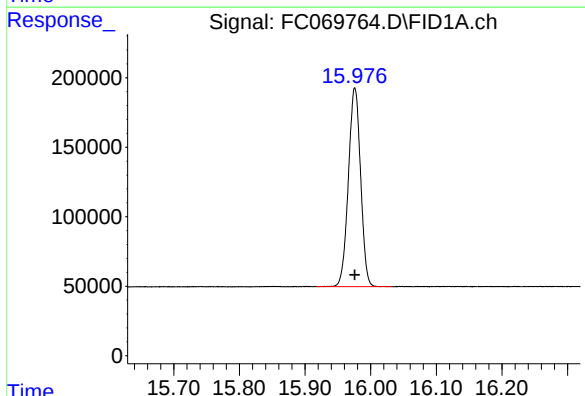
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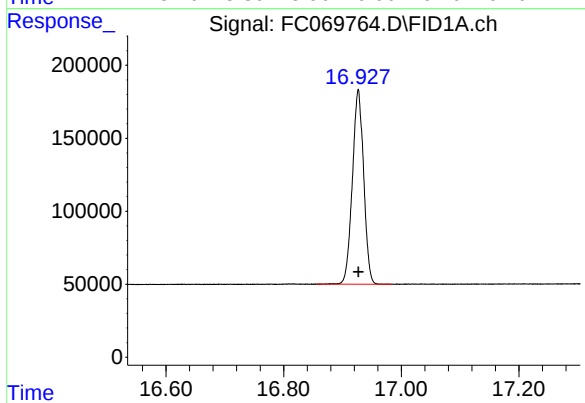
#14 n-Tetracosane (C24)

R.T.: 14.953 min
Delta R.T.: 0.000 min
Response: 1935593
Conc: 18.46 ug/ml



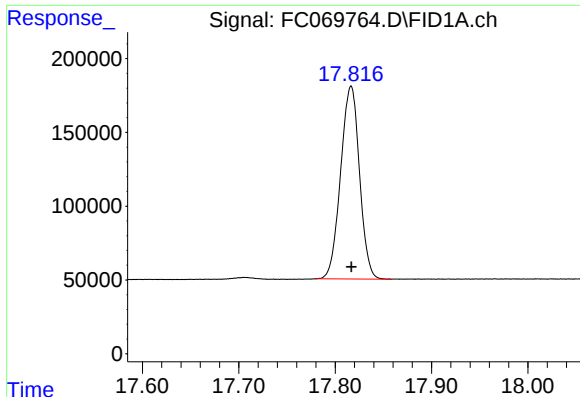
#15 n-Hexacosane (C26)

R.T.: 15.976 min
Delta R.T.: 0.000 min
Response: 1847946
Conc: 18.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.927 min
Delta R.T.: 0.000 min
Response: 1776665
Conc: 18.45 ug/ml



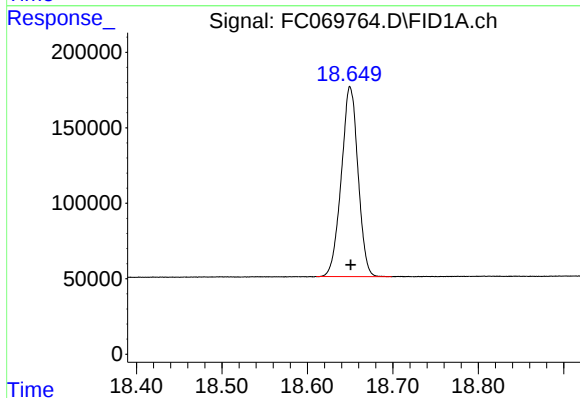
#17 n-Tricontane (C30)

R.T.: 17.816 min
Delta R.T.: 0.000 min
Response: 1772004
Conc: 18.43 ug/ml

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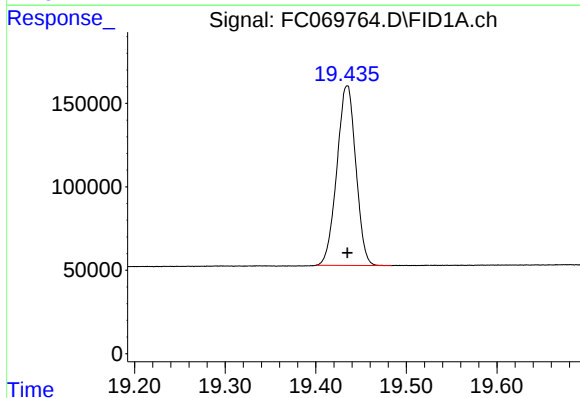
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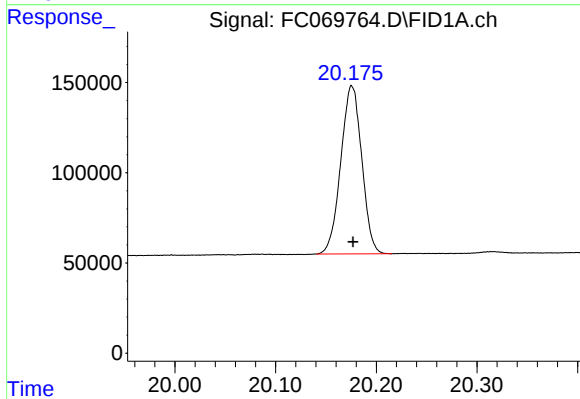
#18 n-Dotriacontane (C32)

R.T.: 18.650 min
Delta R.T.: 0.000 min
Response: 1707354
Conc: 18.33 ug/ml



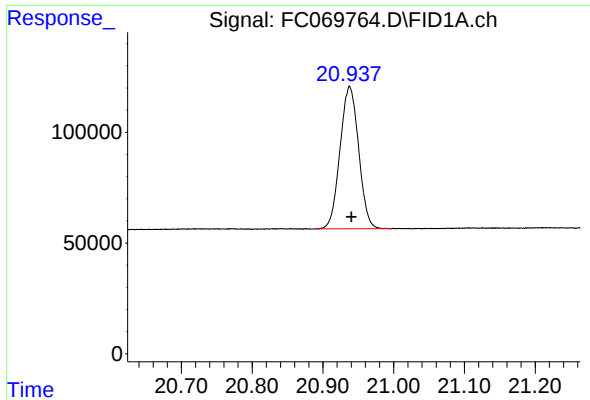
#19 n-Tetratriacontane (C34)

R.T.: 19.435 min
Delta R.T.: 0.000 min
Response: 1563657
Conc: 18.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.176 min
Delta R.T.: -0.001 min
Response: 1349187
Conc: 17.69 ug/ml



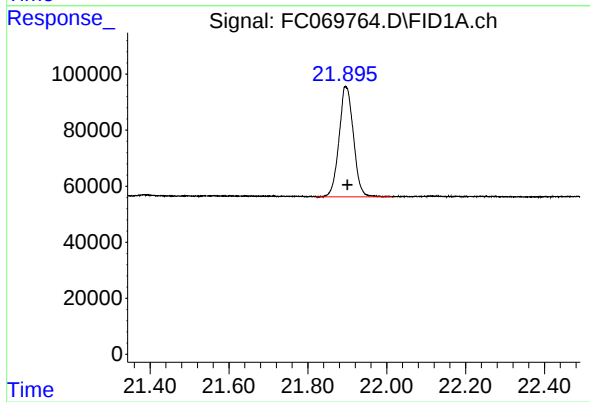
#21 n-Octatriacontane (C38)

R.T.: 20.938 min
Delta R.T.: -0.003 min
Response: 1172197
Conc: 16.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.895 min
Delta R.T.: -0.006 min
Response: 999321
Conc: 15.04 ug/ml m