

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060225AL\
 Data File : FC069052.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jun 2025 11:24
 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 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
 Quant Time: Jun 03 06:14:01 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			
9) S ortho-Terphenyl (SURR)	11.676	2447019	19.839 ug/ml
Spiked Amount 50.000		Recovery =	39.68%
12) S 1-chlorooctadecane (S...	13.112	1711722	19.080 ug/ml
Spiked Amount 50.000		Recovery =	38.16%
Target Compounds			
1) T n-Nonane (C9)	3.401	2174802	20.493 ug/ml
2) T n-Decane (C10)	4.476	2180429	20.588 ug/ml
3) T A~Naphthalene (C11.7)	6.072	2356271	20.377 ug/ml
4) T n-Dodecane (C12)	6.504	2149225	20.445 ug/ml
5) T A~2-methylnaphthalene...	7.132	2292459	20.221 ug/ml
6) T n-Tetradecane (C14)	8.304	2059716	20.094 ug/ml
7) T n-Hexadecane (C16)	9.908	2000611	19.717 ug/ml
8) T n-Octadecane (C18)	11.354	1957149	19.582 ug/mlm
10) T n-Eicosane (C20)	12.666	1886510	19.369 ug/ml
11) T n-Heneicosane (C21)	13.279	1862910	19.354 ug/ml
13) T n-Docosane (C22)	13.867	1847264	19.390 ug/ml
14) T n-Tetracosane (C24)	14.972	1827681	19.412 ug/ml
15) T n-Hexacosane (C26)	15.994	1805260	19.445 ug/ml
16) T n-Octacosane (C28)	16.946	1785130	19.205 ug/ml
17) T n-Tricontane (C30)	17.837	1822113	18.832 ug/ml
18) T n-Dotriacontane (C32)	18.672	1839505	18.562 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1776337	18.431 ug/ml
20) T n-Hexatriacontane (C36)	20.200	1746256	18.395 ug/ml
21) T n-Octatriacontane (C38)	20.968	1679793	18.412 ug/ml
22) T n-Tetracontane (C40)	21.936	1595962	18.088 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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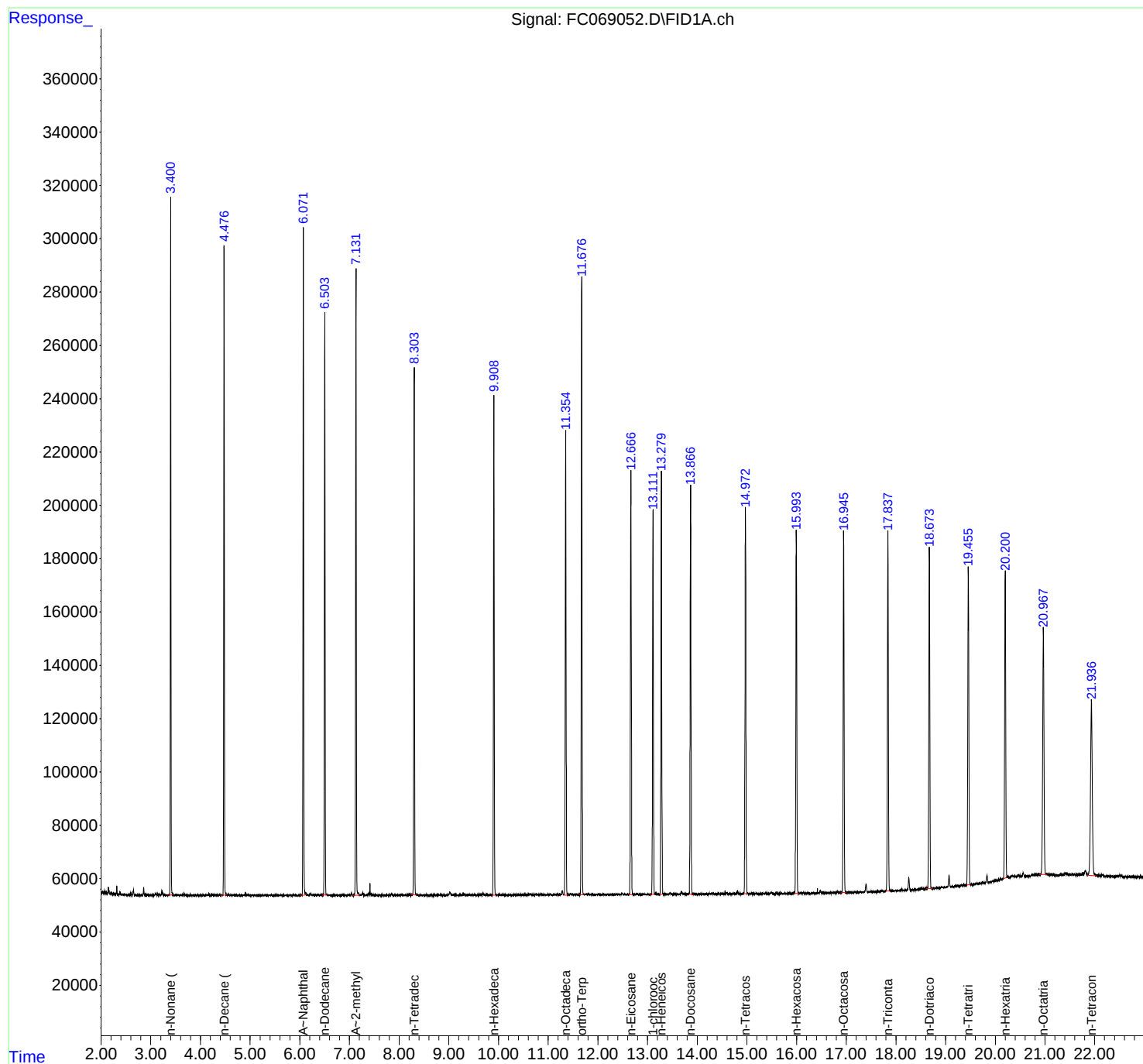
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20 PPM ALIPHATIC HC STD

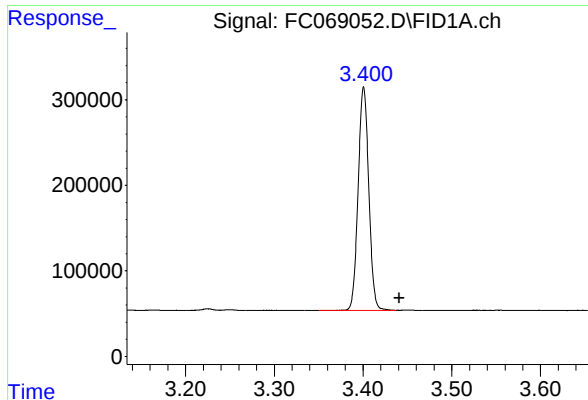
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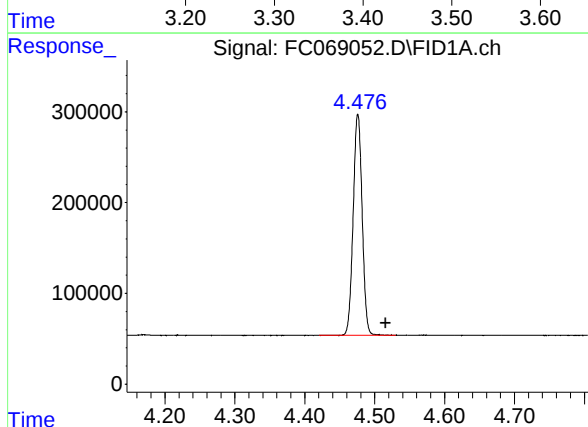
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.040 min
Response: 2174802
Conc: 20.49 ug/ml

Instrument :
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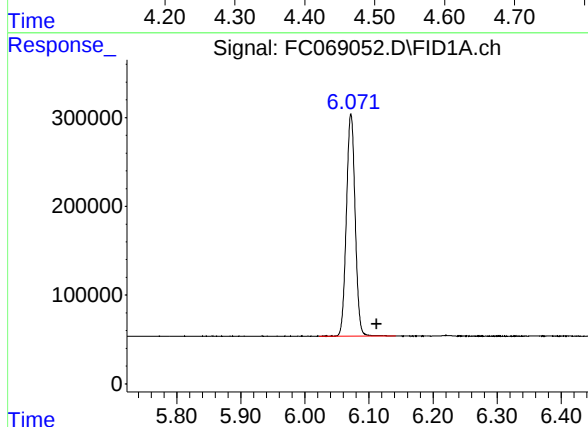
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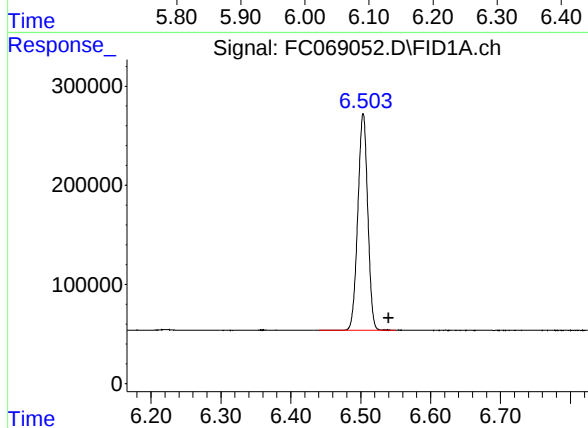
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.040 min
Response: 2180429
Conc: 20.59 ug/ml



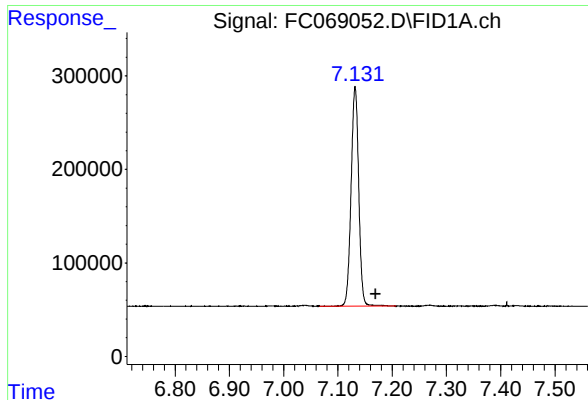
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.040 min
Response: 2356271
Conc: 20.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.036 min
Response: 2149225
Conc: 20.45 ug/ml



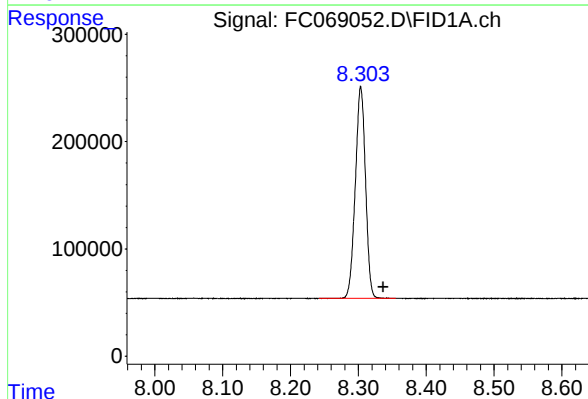
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2292459
Conc: 20.22 ug/ml

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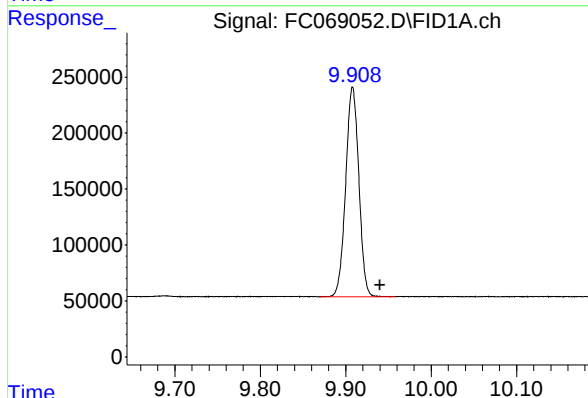
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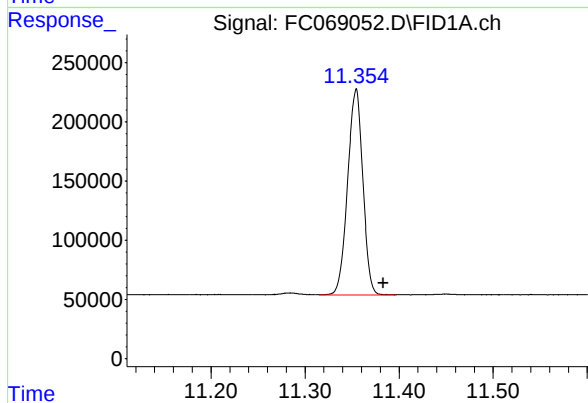
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.034 min
Response: 2059716
Conc: 20.09 ug/ml



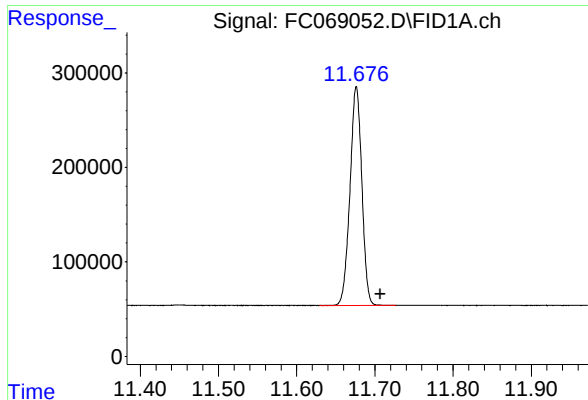
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2000611
Conc: 19.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 1957149
Conc: 19.58 ug/ml m



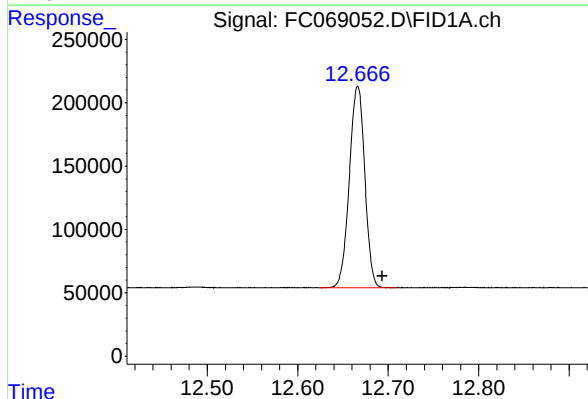
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2447019
Conc: 19.84 ug/ml

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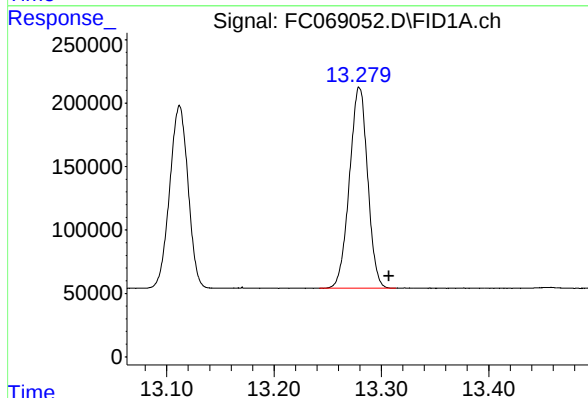
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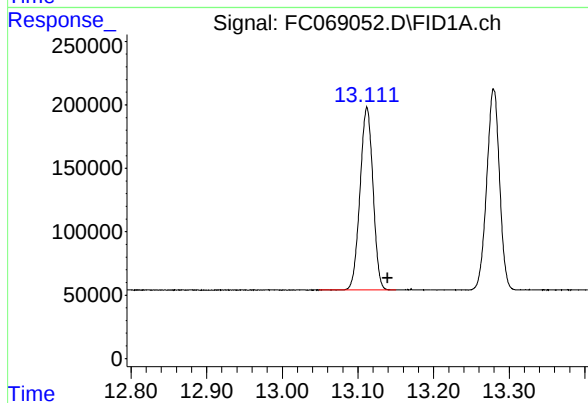
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.027 min
Response: 1886510
Conc: 19.37 ug/ml



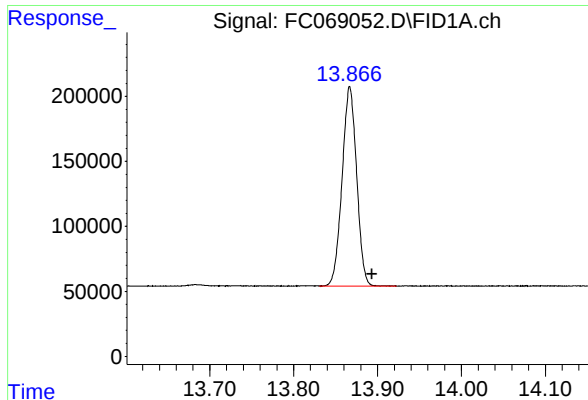
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.027 min
Response: 1862910
Conc: 19.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1711722
Conc: 19.08 ug/ml



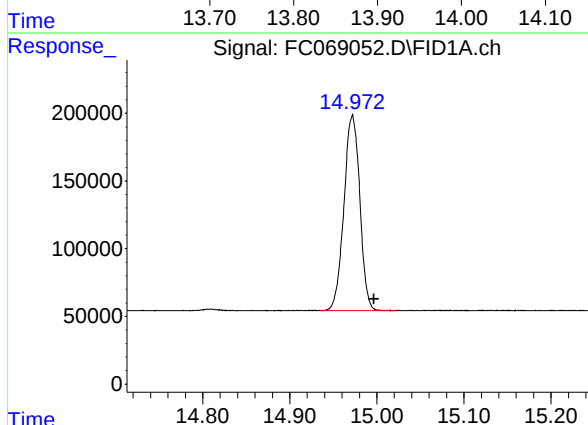
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.027 min
Response: 1847264
Conc: 19.39 ug/ml

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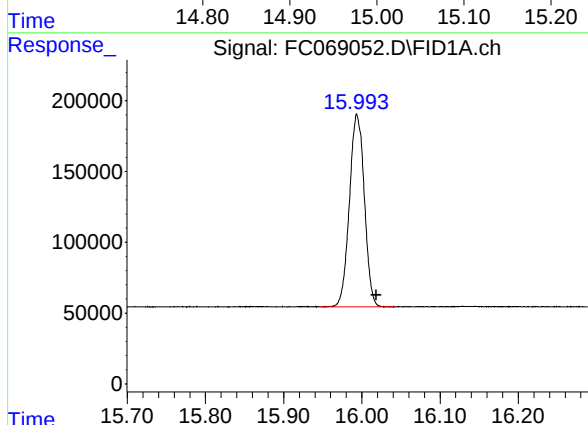
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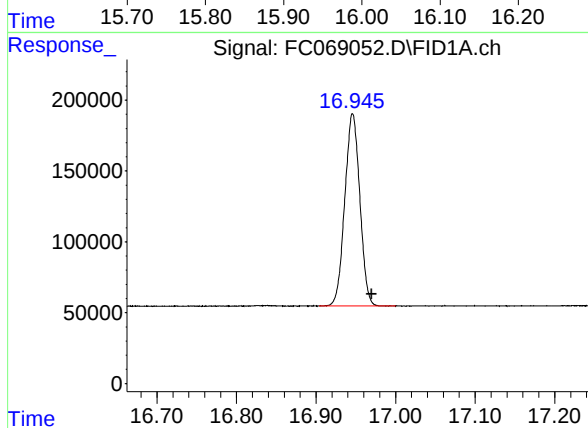
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1827681
Conc: 19.41 ug/ml



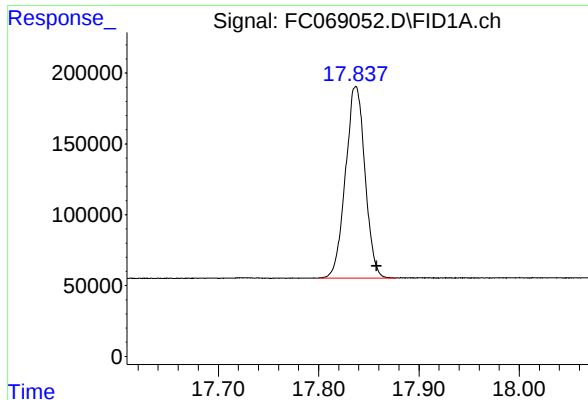
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.025 min
Response: 1805260
Conc: 19.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.024 min
Response: 1785130
Conc: 19.20 ug/ml



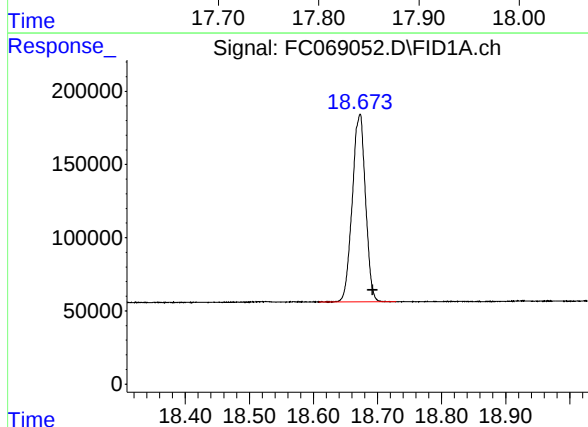
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 1822113
Conc: 18.83 ug/ml

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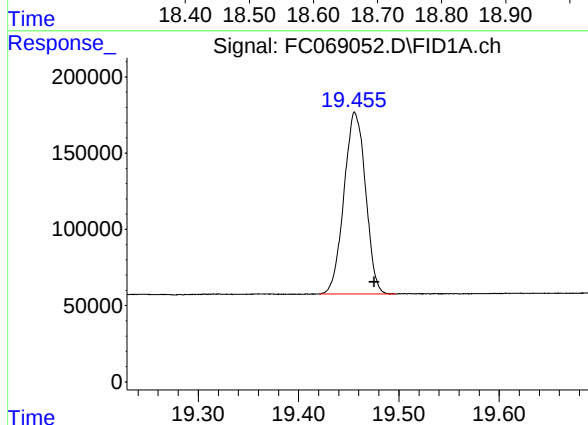
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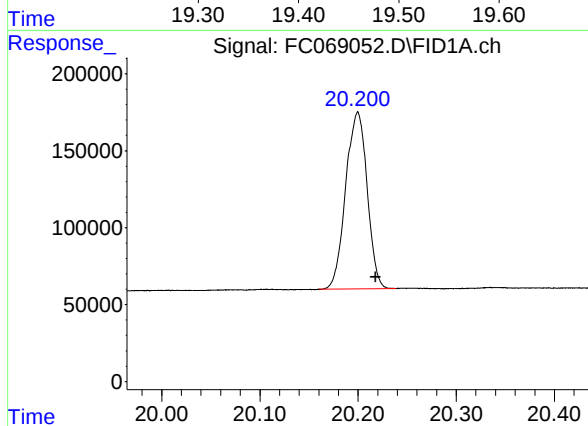
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 1839505
Conc: 18.56 ug/ml



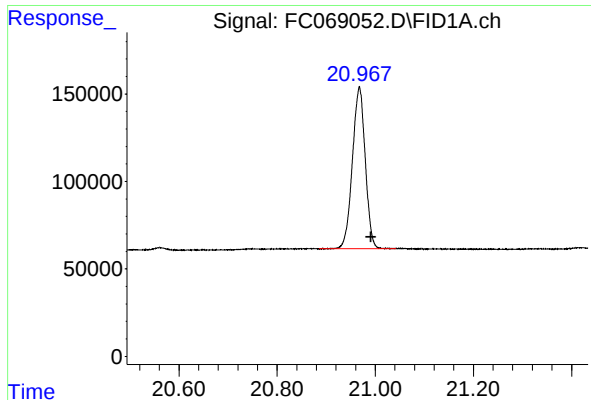
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1776337
Conc: 18.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.200 min
Delta R.T.: -0.018 min
Response: 1746256
Conc: 18.40 ug/ml



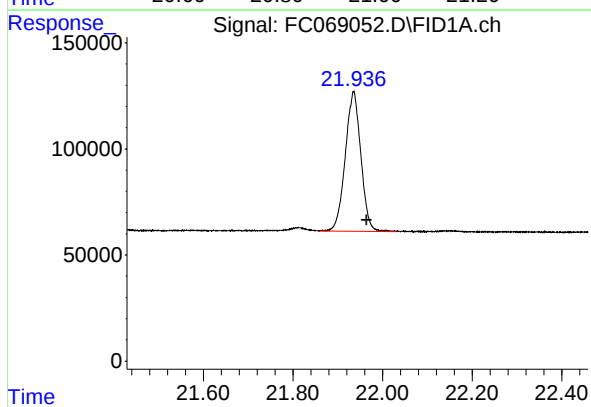
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 1679793
Conc: 18.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 1595962
Conc: 18.09 ug/ml m