

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060625AL\
 Data File : FC069110.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 11:58
 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 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 02:40:27 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)	11.675	2487917	20.171 ug/ml
Spiked Amount 50.000		Recovery =	40.34%
12) S 1-chlorooctadecane (S...	13.112	1793537	19.992 ug/ml
Spiked Amount 50.000		Recovery =	39.98%
Target Compounds			
1) T n-Nonane (C9)	3.403	2218726	20.907 ug/ml
2) T n-Decane (C10)	4.478	2220027	20.962 ug/ml
3) T A~Naphthalene (C11.7)	6.072	2413029	20.868 ug/ml
4) T n-Dodecane (C12)	6.503	2184475	20.780 ug/ml
5) T A~2-methylnaphthalene...	7.132	2360558	20.822 ug/ml
6) T n-Tetradecane (C14)	8.303	2091121	20.401 ug/ml
7) T n-Hexadecane (C16)	9.908	2022987	19.937 ug/ml
8) T n-Octadecane (C18)	11.353	1975123	19.762 ug/mlm
10) T n-Eicosane (C20)	12.666	1917765	19.690 ug/ml
11) T n-Heneicosane (C21)	13.279	1899006	19.729 ug/ml
13) T n-Docosane (C22)	13.867	1891531	19.855 ug/ml
14) T n-Tetracosane (C24)	14.972	1874375	19.908 ug/ml
15) T n-Hexacosane (C26)	15.996	1874217	20.187 ug/ml
16) T n-Octacosane (C28)	16.949	1906903	20.515 ug/ml
17) T n-Tricontane (C30)	17.838	2035050	21.032 ug/ml
18) T n-Dotriacontane (C32)	18.672	2093368	21.124 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1994780	20.697 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1944706	20.486 ug/ml
21) T n-Octatriacontane (C38)	20.969	1857015	20.354 ug/ml
22) T n-Tetracontane (C40)	21.937	1815108	20.571 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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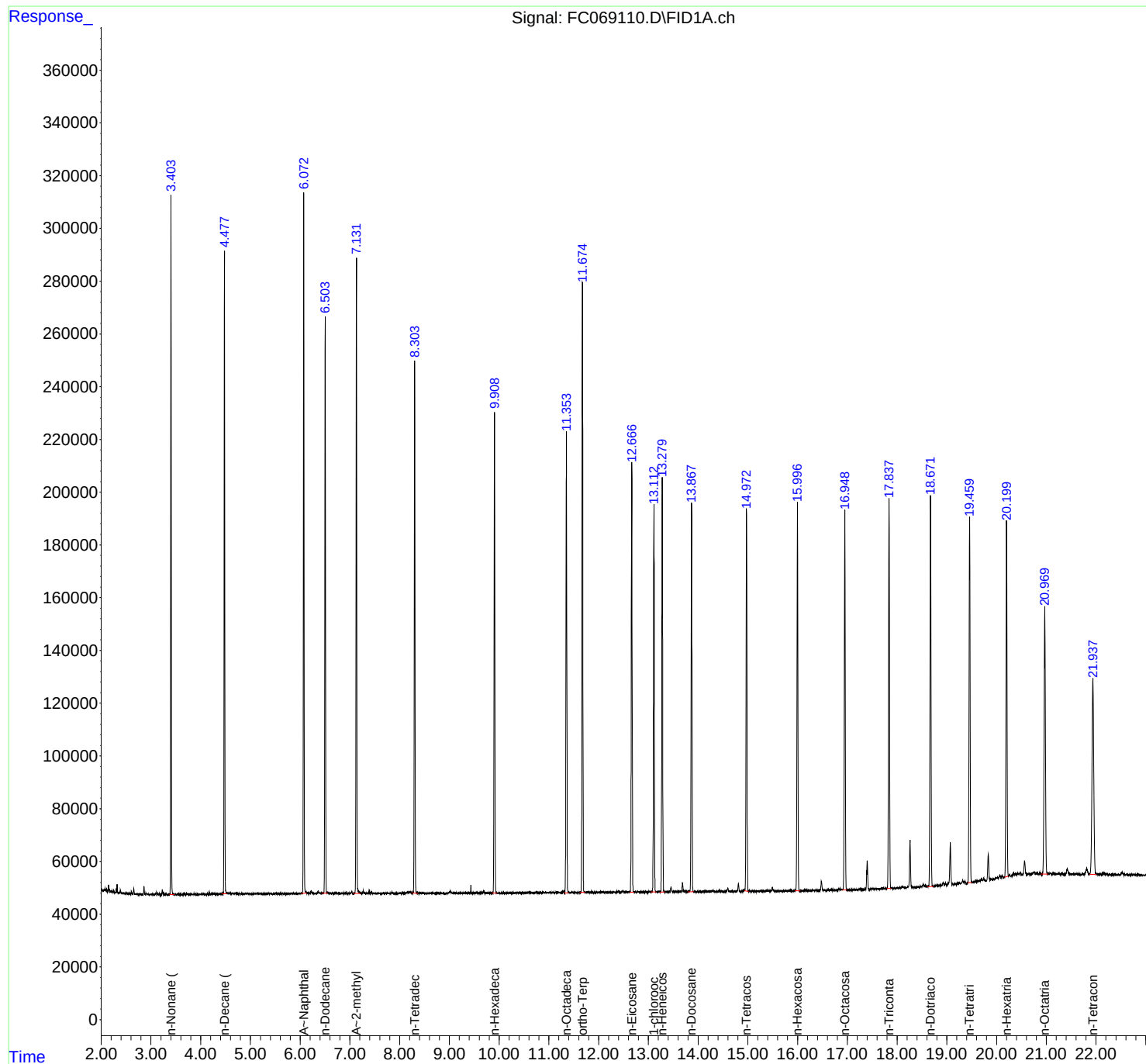
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20 PPM ALIPHATIC HC STD

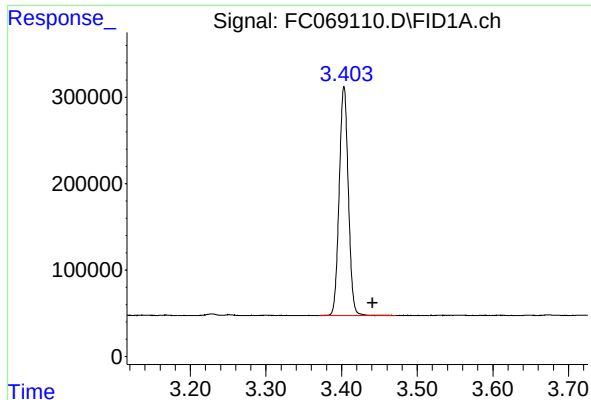
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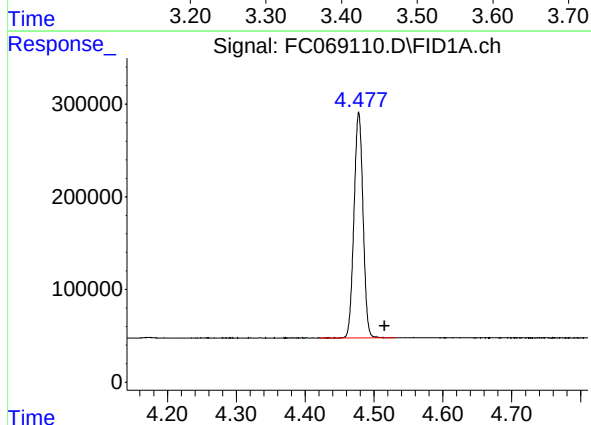
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 2218726
Conc: 20.91 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

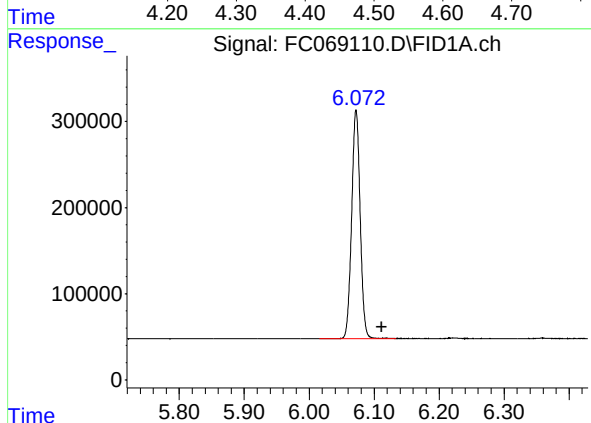
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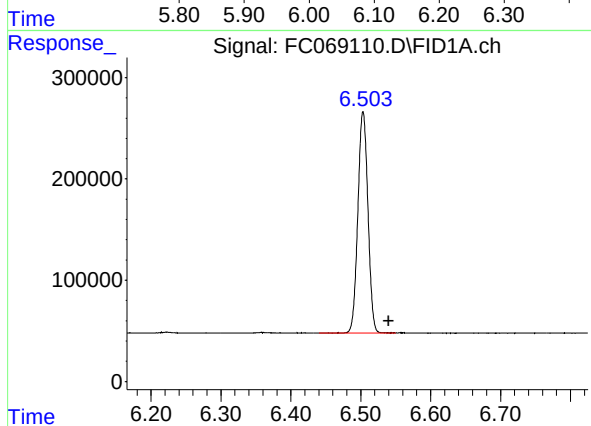
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.038 min
Response: 2220027
Conc: 20.96 ug/ml



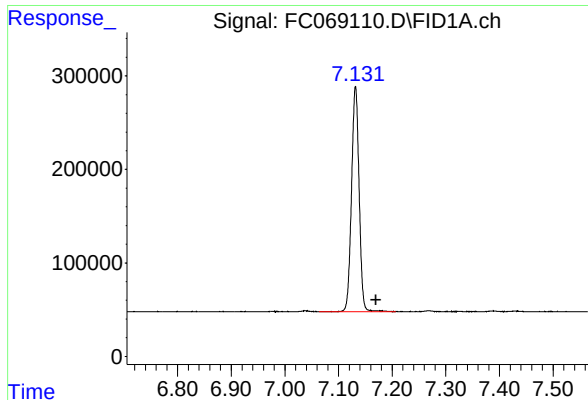
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.040 min
Response: 2413029
Conc: 20.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.036 min
Response: 2184475
Conc: 20.78 ug/ml



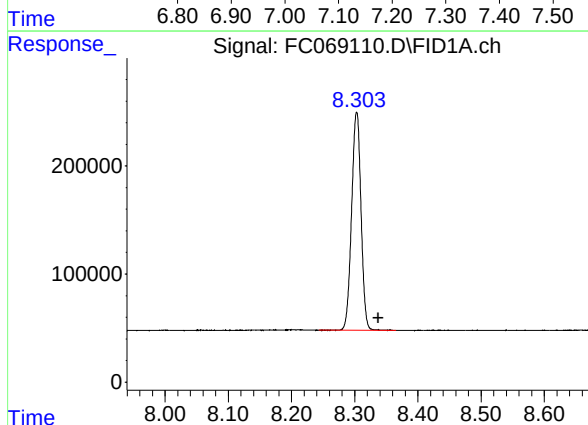
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2360558
Conc: 20.82 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

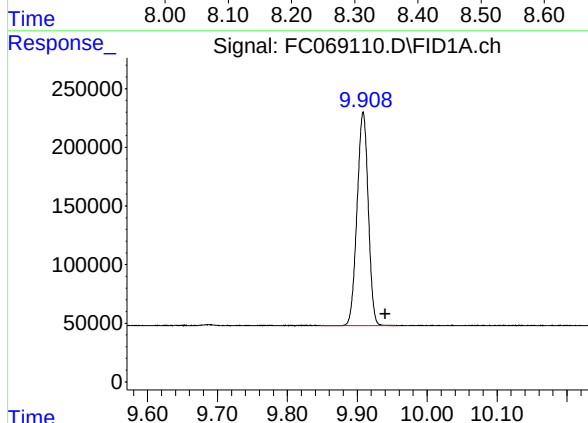
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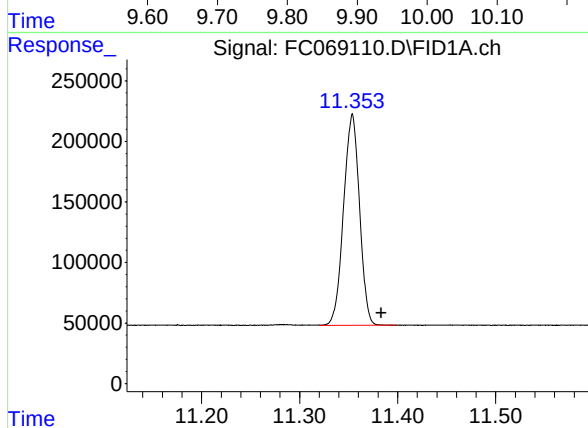
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2091121
Conc: 20.40 ug/ml



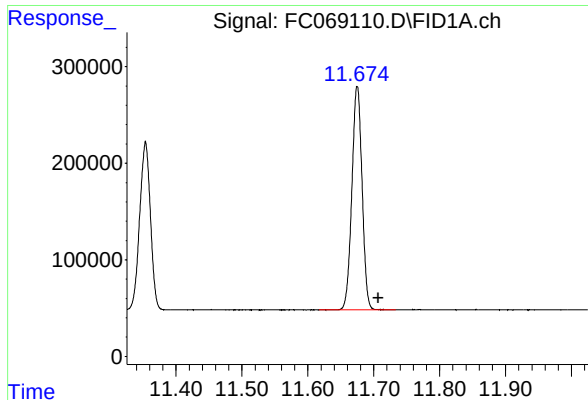
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2022987
Conc: 19.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 1975123
Conc: 19.76 ug/ml m



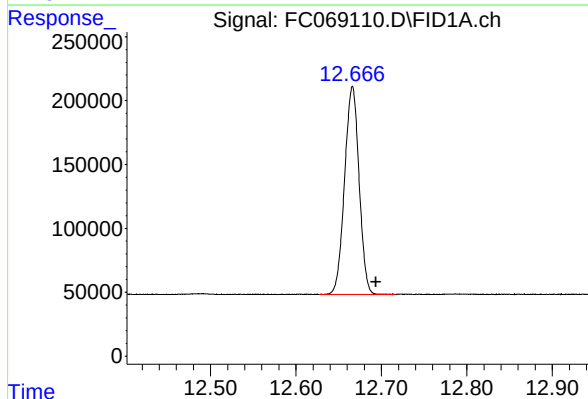
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: -0.032 min
Response: 2487917
Conc: 20.17 ug/ml

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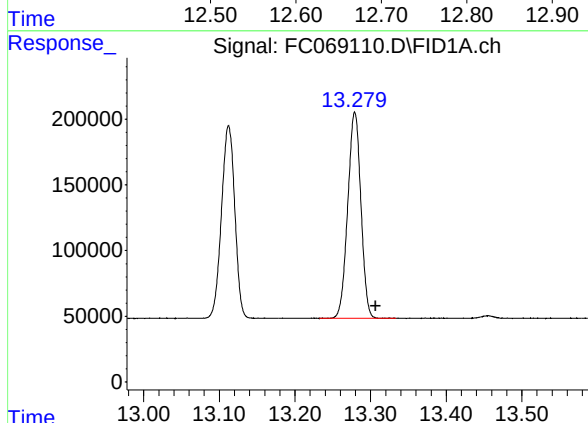
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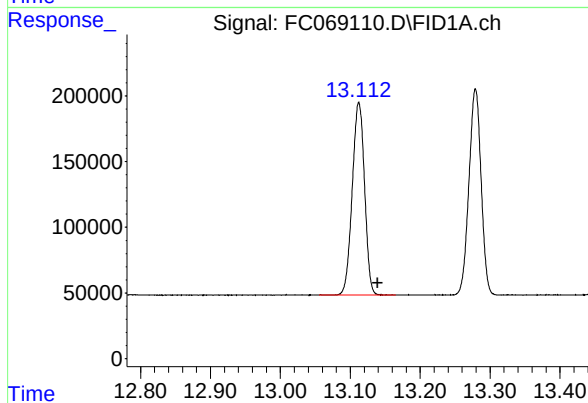
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.028 min
Response: 1917765
Conc: 19.69 ug/ml



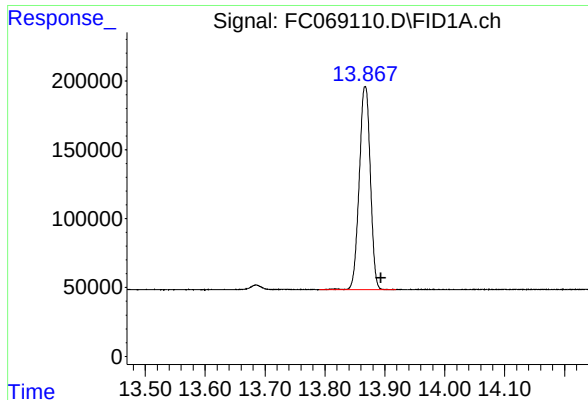
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 1899006
Conc: 19.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1793537
Conc: 19.99 ug/ml



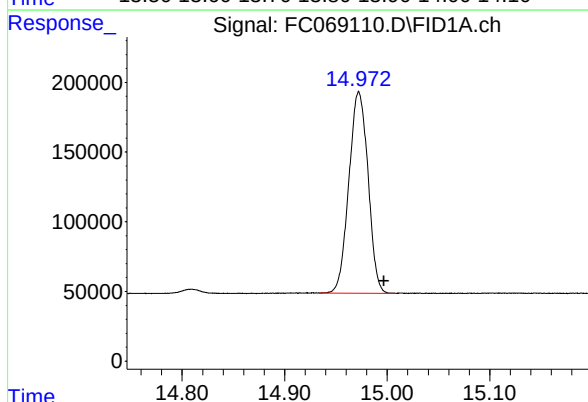
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.026 min
Response: 1891531
Conc: 19.85 ug/ml

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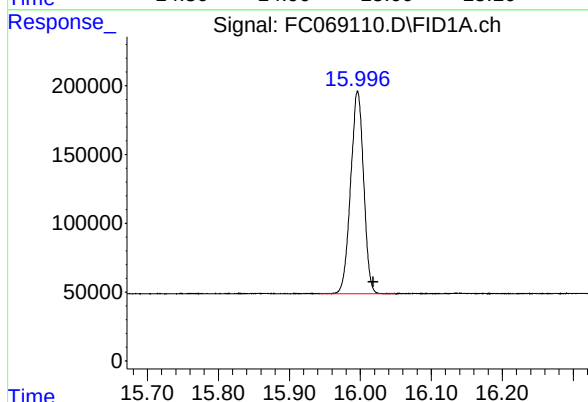
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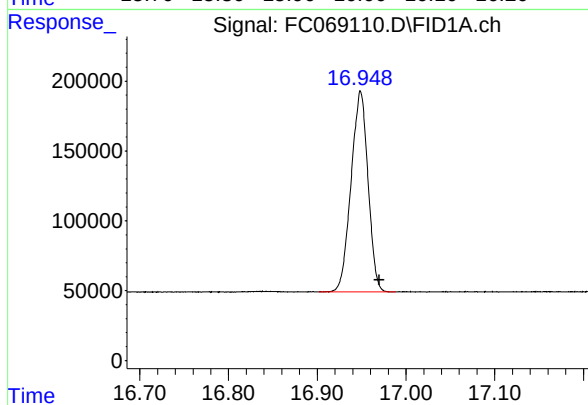
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1874375
Conc: 19.91 ug/ml



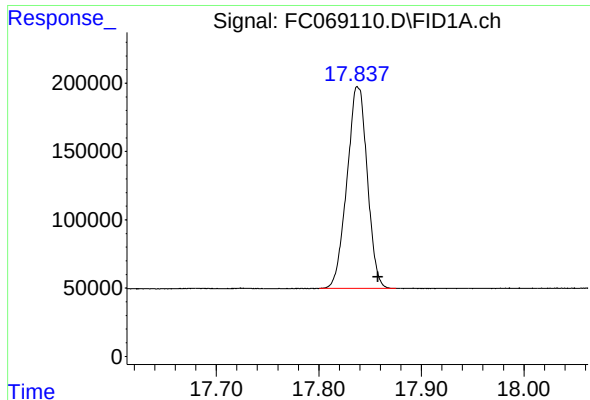
#15 n-Hexacosane (C26)

R.T.: 15.996 min
Delta R.T.: -0.022 min
Response: 1874217
Conc: 20.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 1906903
Conc: 20.51 ug/ml



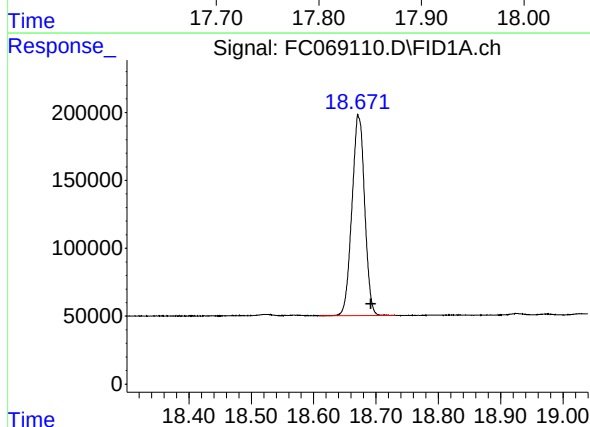
#17 n-Tricontane (C30)

R.T.: 17.838 min
Delta R.T.: -0.020 min
Response: 2035050
Conc: 21.03 ug/ml

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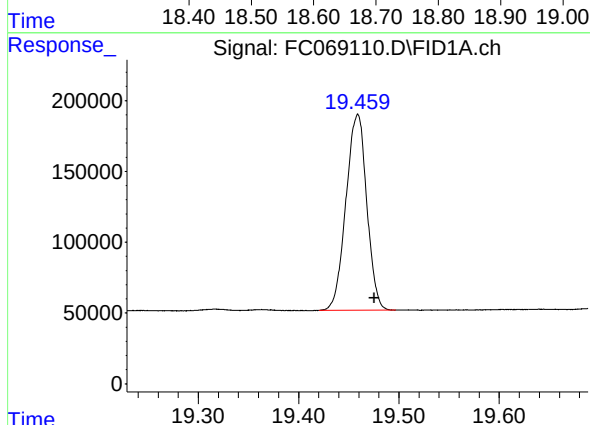
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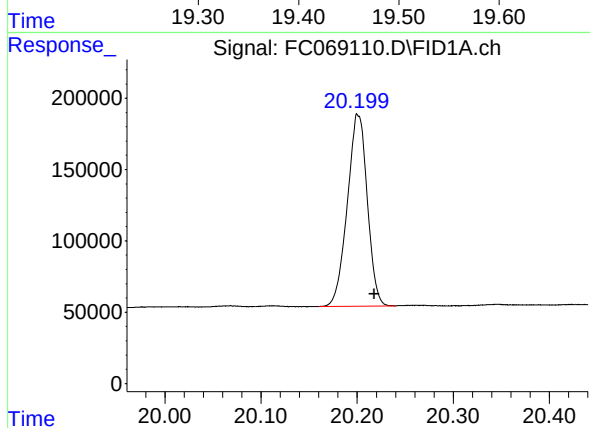
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 2093368
Conc: 21.12 ug/ml



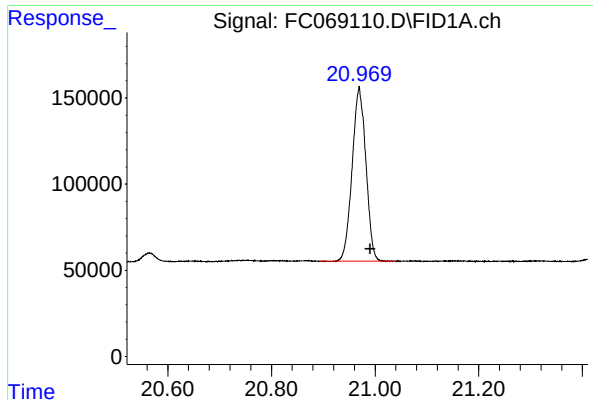
#19 n-Tetatriacontane (C34)

R.T.: 19.459 min
Delta R.T.: -0.017 min
Response: 1994780
Conc: 20.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.201 min
Delta R.T.: -0.017 min
Response: 1944706
Conc: 20.49 ug/ml



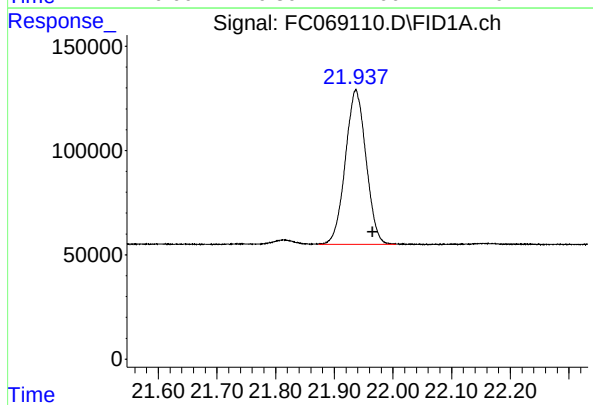
#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: -0.022 min
Response: 1857015
Conc: 20.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: -0.028 min
Response: 1815108
Conc: 20.57 ug/ml m