

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069133.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 12:17
 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 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 05:23:19 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	2457830	19.927 ug/ml
Spiked Amount 50.000		Recovery =	39.85%
12) S 1-chlorooctadecane (S...	13.112	1686192	18.795 ug/ml
Spiked Amount 50.000		Recovery =	37.59%
Target Compounds			
1) T n-Nonane (C9)	3.399	2145430	20.216 ug/ml
2) T n-Decane (C10)	4.475	2162880	20.422 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2345660	20.285 ug/ml
4) T n-Dodecane (C12)	6.502	2130689	20.269 ug/ml
5) T A~2-methylnaphthalene...	7.131	2284278	20.149 ug/ml
6) T n-Tetradecane (C14)	8.303	2053079	20.029 ug/ml
7) T n-Hexadecane (C16)	9.908	1997429	19.685 ug/ml
8) T n-Octadecane (C18)	11.351	1952080	19.532 ug/mlm
10) T n-Eicosane (C20)	12.665	1870574	19.205 ug/ml
11) T n-Heneicosane (C21)	13.279	1842160	19.139 ug/ml
13) T n-Docosane (C22)	13.866	1826744	19.175 ug/ml
14) T n-Tetracosane (C24)	14.972	1803749	19.158 ug/ml
15) T n-Hexacosane (C26)	15.995	1798936	19.376 ug/ml
16) T n-Octacosane (C28)	16.947	1863490	20.048 ug/mlm
17) T n-Tricontane (C30)	17.837	2037588	21.059 ug/ml
18) T n-Dotriacontane (C32)	18.672	2129645	21.490 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1998780	20.739 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1880637	19.811 ug/ml
21) T n-Octatriacontane (C38)	20.969	1693399	18.561 ug/ml
22) T n-Tetracontane (C40)	21.937	1487114	16.854 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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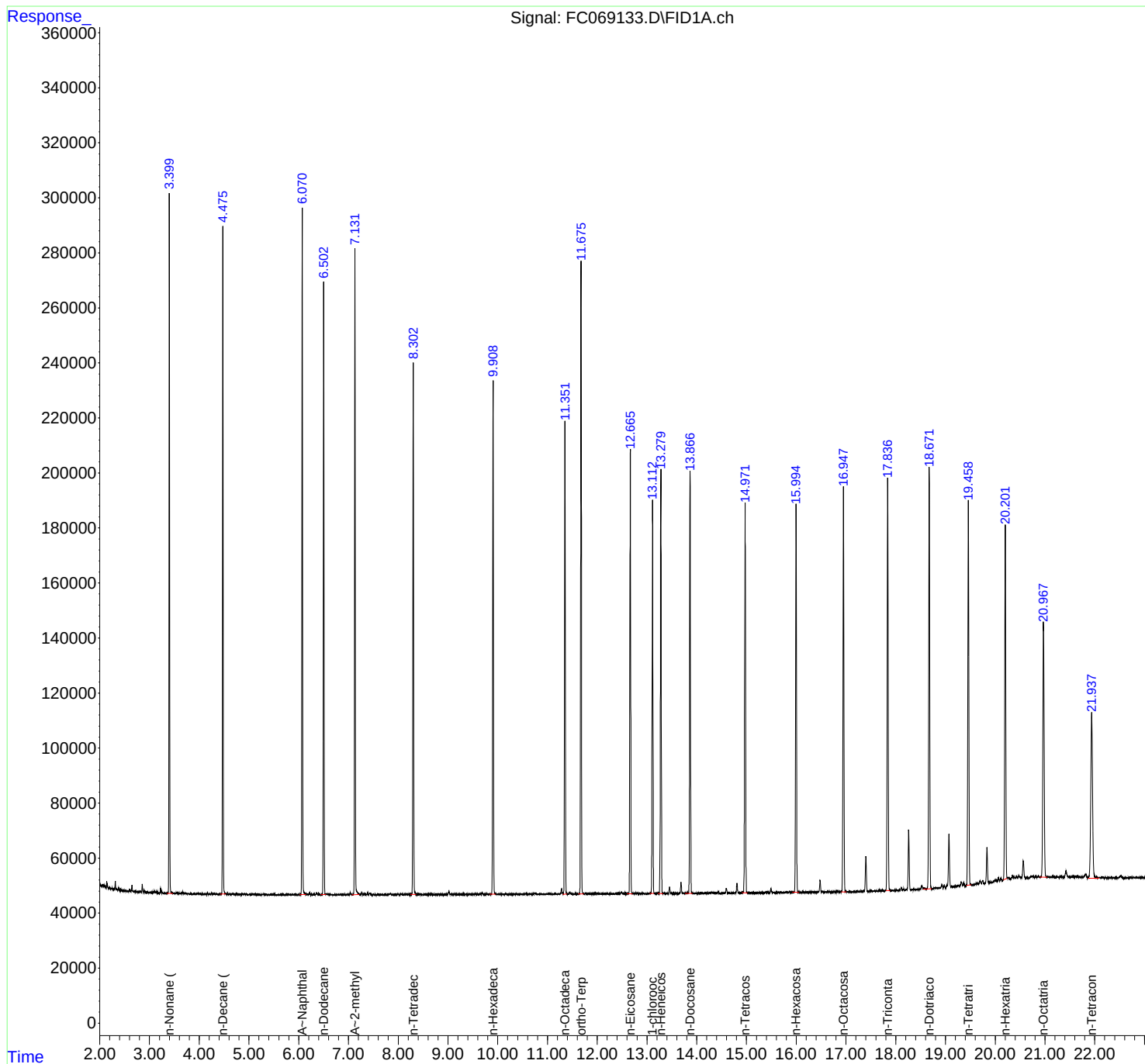
Instrument :
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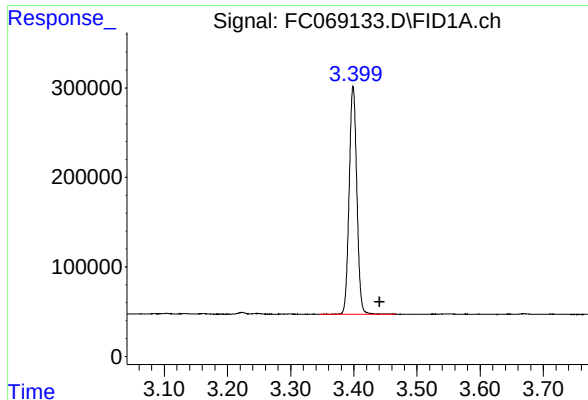
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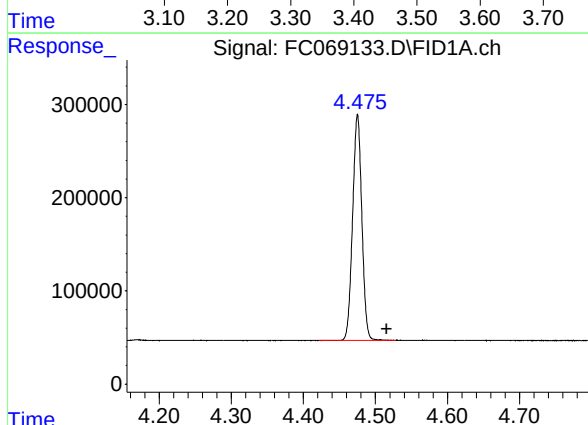
#1 n-Nonane (C9)

R.T.: 3.399 min
Delta R.T.: -0.042 min
Response: 2145430
Conc: 20.22 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

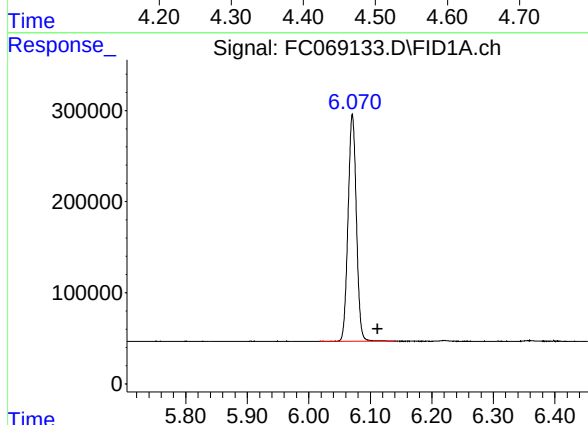
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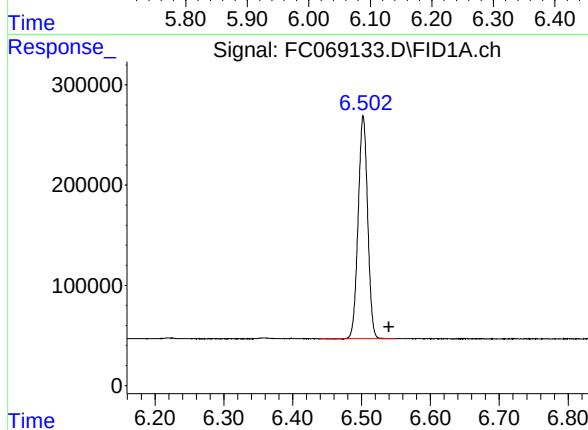
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.040 min
Response: 2162880
Conc: 20.42 ug/ml



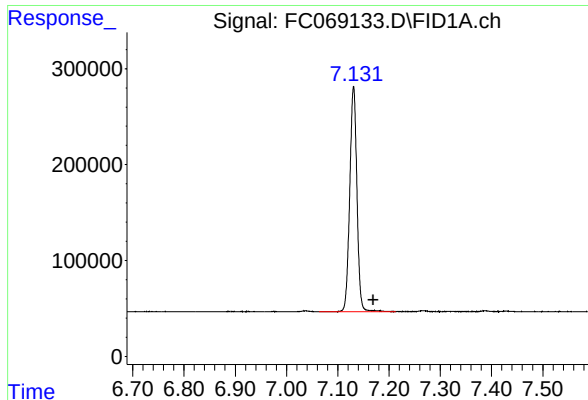
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.041 min
Response: 2345660
Conc: 20.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: -0.037 min
Response: 2130689
Conc: 20.27 ug/ml



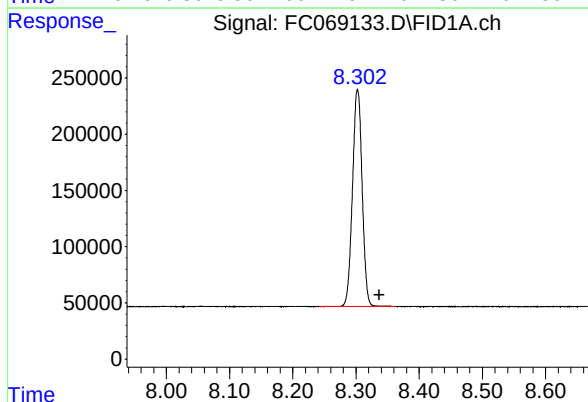
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: -0.039 min
Response: 2284278
Conc: 20.15 ug/ml

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20 PPM ALIPHATIC HC STD

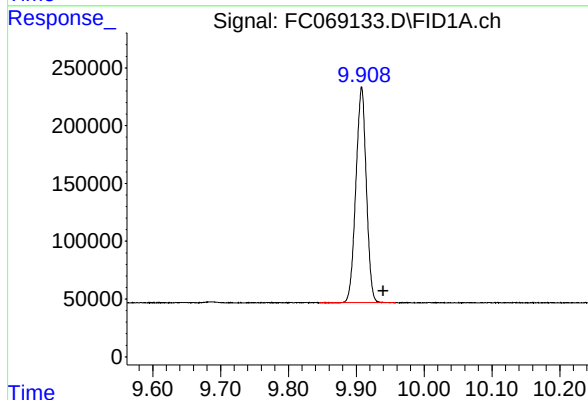
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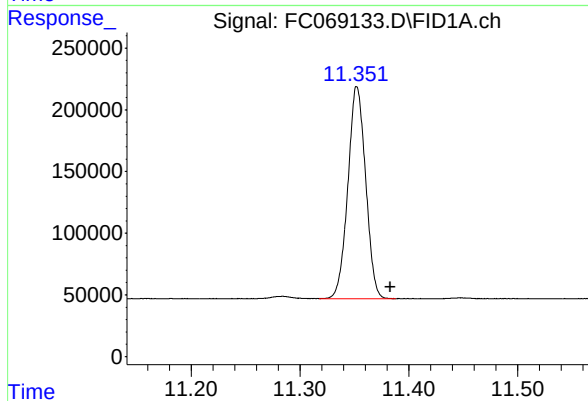
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2053079
Conc: 20.03 ug/ml



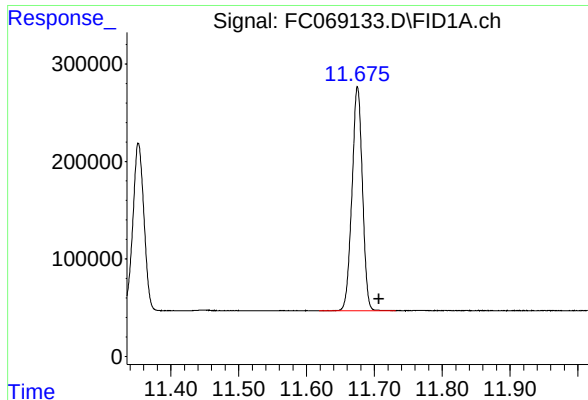
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 1997429
Conc: 19.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.351 min
Delta R.T.: -0.032 min
Response: 1952080
Conc: 19.53 ug/ml m



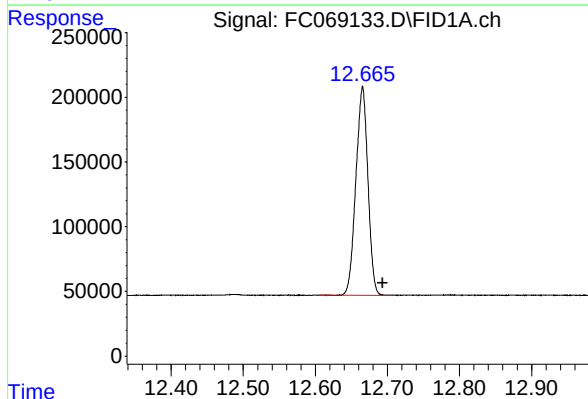
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: -0.032 min
Response: 2457830
Conc: 19.93 ug/ml

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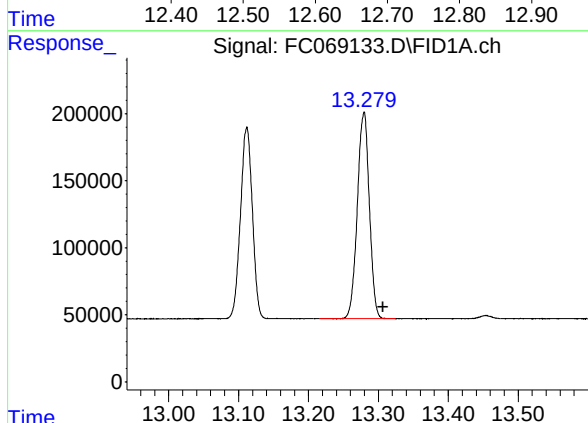
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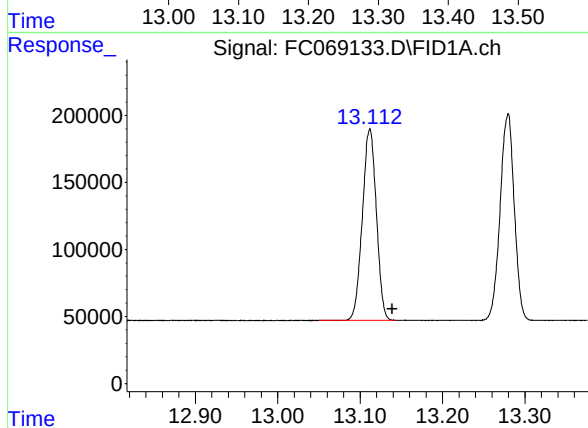
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.028 min
Response: 1870574
Conc: 19.21 ug/ml



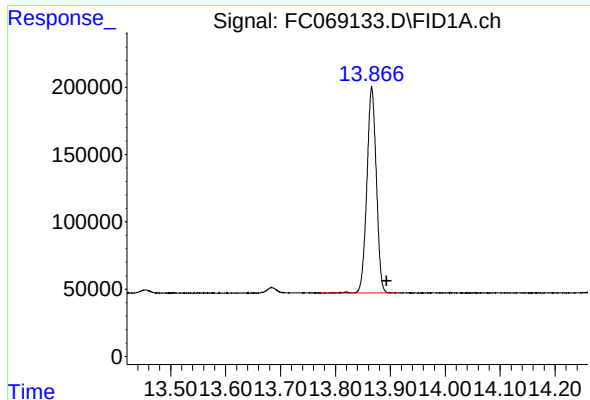
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 1842160
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.028 min
Response: 1686192
Conc: 18.80 ug/ml



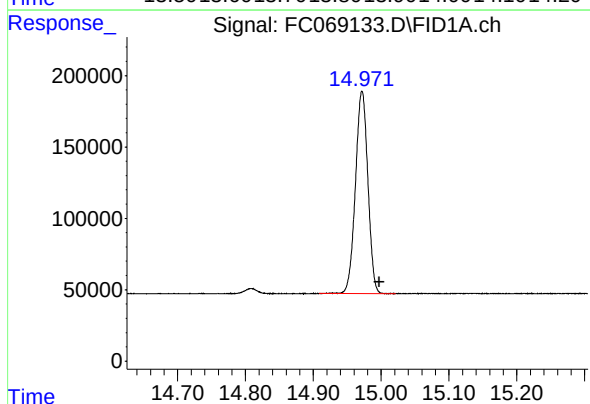
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.027 min
Response: 1826744
Conc: 19.17 ug/ml

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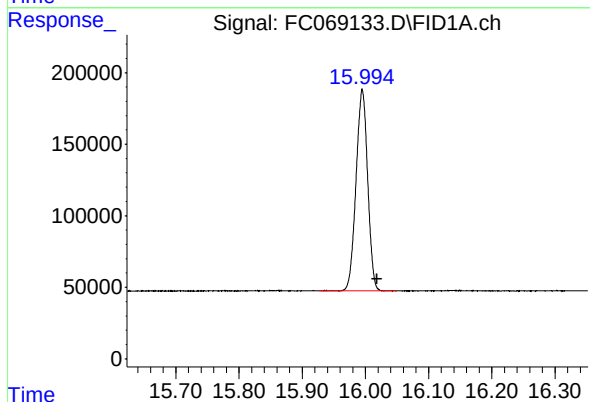
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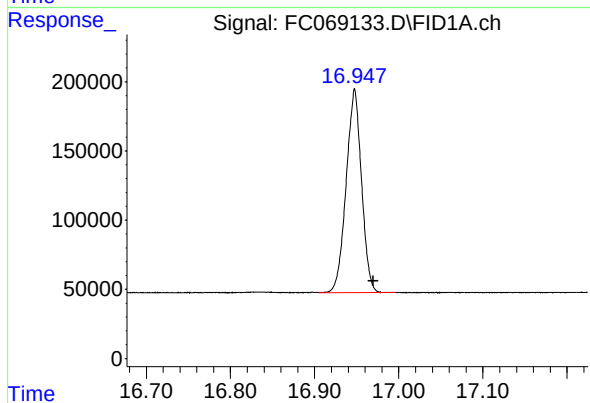
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1803749
Conc: 19.16 ug/ml



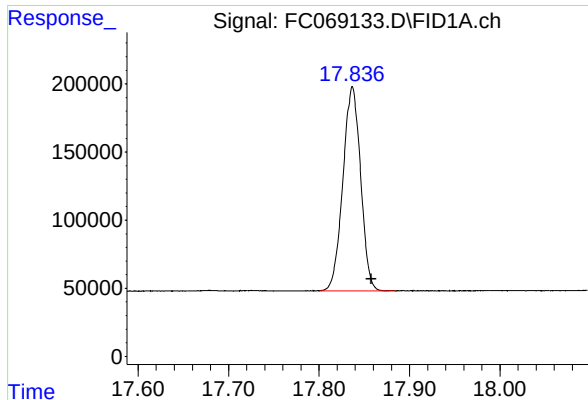
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.023 min
Response: 1798936
Conc: 19.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1863490
Conc: 20.05 ug/ml m



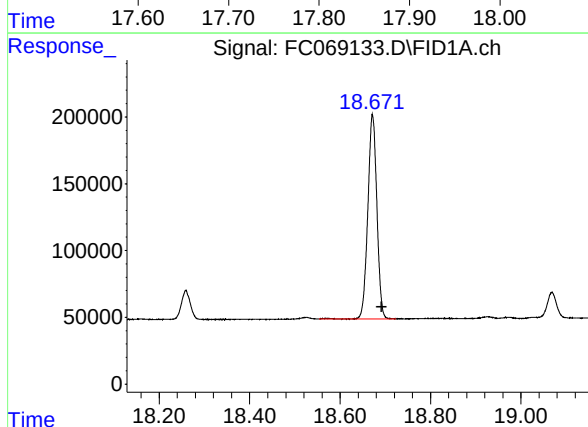
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 2037588
Conc: 21.06 ug/ml

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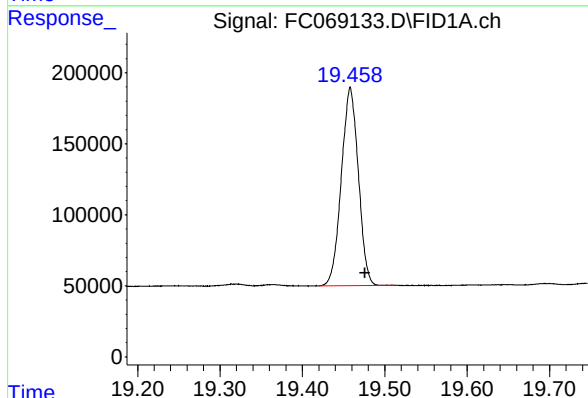
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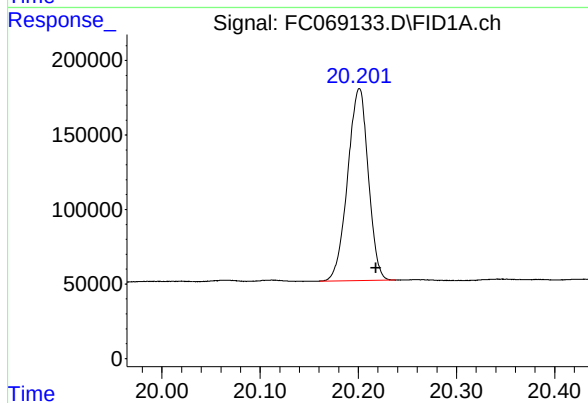
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 2129645
Conc: 21.49 ug/ml



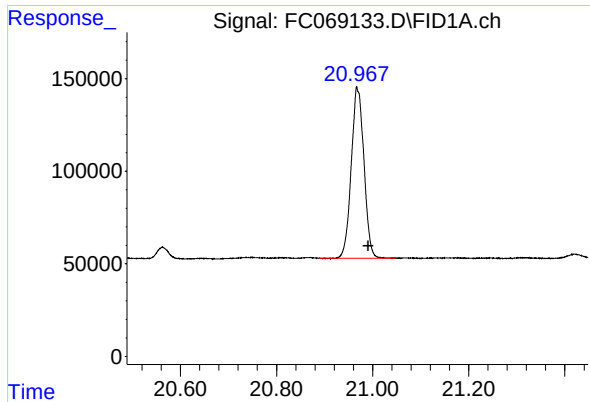
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.018 min
Response: 1998780
Conc: 20.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.201 min
Delta R.T.: -0.017 min
Response: 1880637
Conc: 19.81 ug/ml



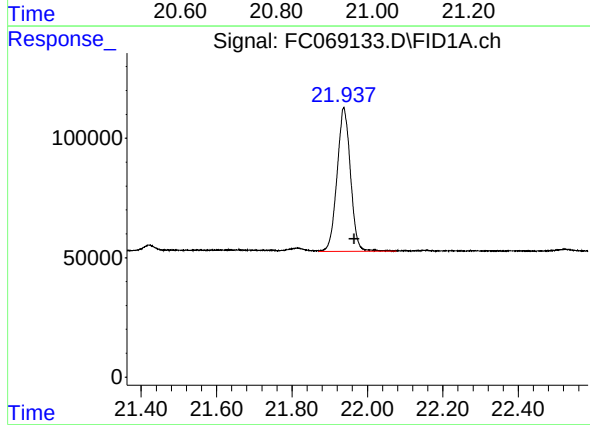
#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: -0.022 min
Response: 1693399
Conc: 18.56 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: -0.028 min
Response: 1487114
Conc: 16.85 ug/ml m