

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060525AL\
 Data File : FC069106.D
 Signal(s) : FID1A.ch
 Acq On : 06 Jun 2025 07:13
 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 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 07:42:43 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	2467374	20.004 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
12) S 1-chlorooctadecane (S...	13.112	1789664	19.949 ug/ml
Spiked Amount 50.000		Recovery =	39.90%
Target Compounds			
1) T n-Nonane (C9)	3.401	2222440	20.942 ug/ml
2) T n-Decane (C10)	4.476	2221113	20.972 ug/ml
3) T A~Naphthalene (C11.7)	6.072	2408009	20.824 ug/ml
4) T n-Dodecane (C12)	6.503	2172184	20.663 ug/ml
5) T A~2-methylnaphthalene...	7.132	2345716	20.691 ug/ml
6) T n-Tetradecane (C14)	8.303	2065871	20.154 ug/ml
7) T n-Hexadecane (C16)	9.908	2009284	19.802 ug/ml
8) T n-Octadecane (C18)	11.353	1964415	19.655 ug/mlm
10) T n-Eicosane (C20)	12.667	1903813	19.547 ug/ml
11) T n-Heneicosane (C21)	13.280	1890180	19.638 ug/ml
13) T n-Docosane (C22)	13.867	1883443	19.770 ug/ml
14) T n-Tetracosane (C24)	14.972	1889255	20.066 ug/mlm
15) T n-Hexacosane (C26)	15.994	1871577	20.159 ug/ml
16) T n-Octacosane (C28)	16.947	1899969	20.440 ug/ml
17) T n-Tricontane (C30)	17.837	2020342	20.880 ug/ml
18) T n-Dotriacontane (C32)	18.671	2086500	21.055 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1988216	20.629 ug/ml
20) T n-Hexatriacontane (C36)	20.200	1945695	20.496 ug/ml
21) T n-Octatriacontane (C38)	20.968	1888809	20.703 ug/ml
22) T n-Tetracontane (C40)	21.937	1832237	20.765 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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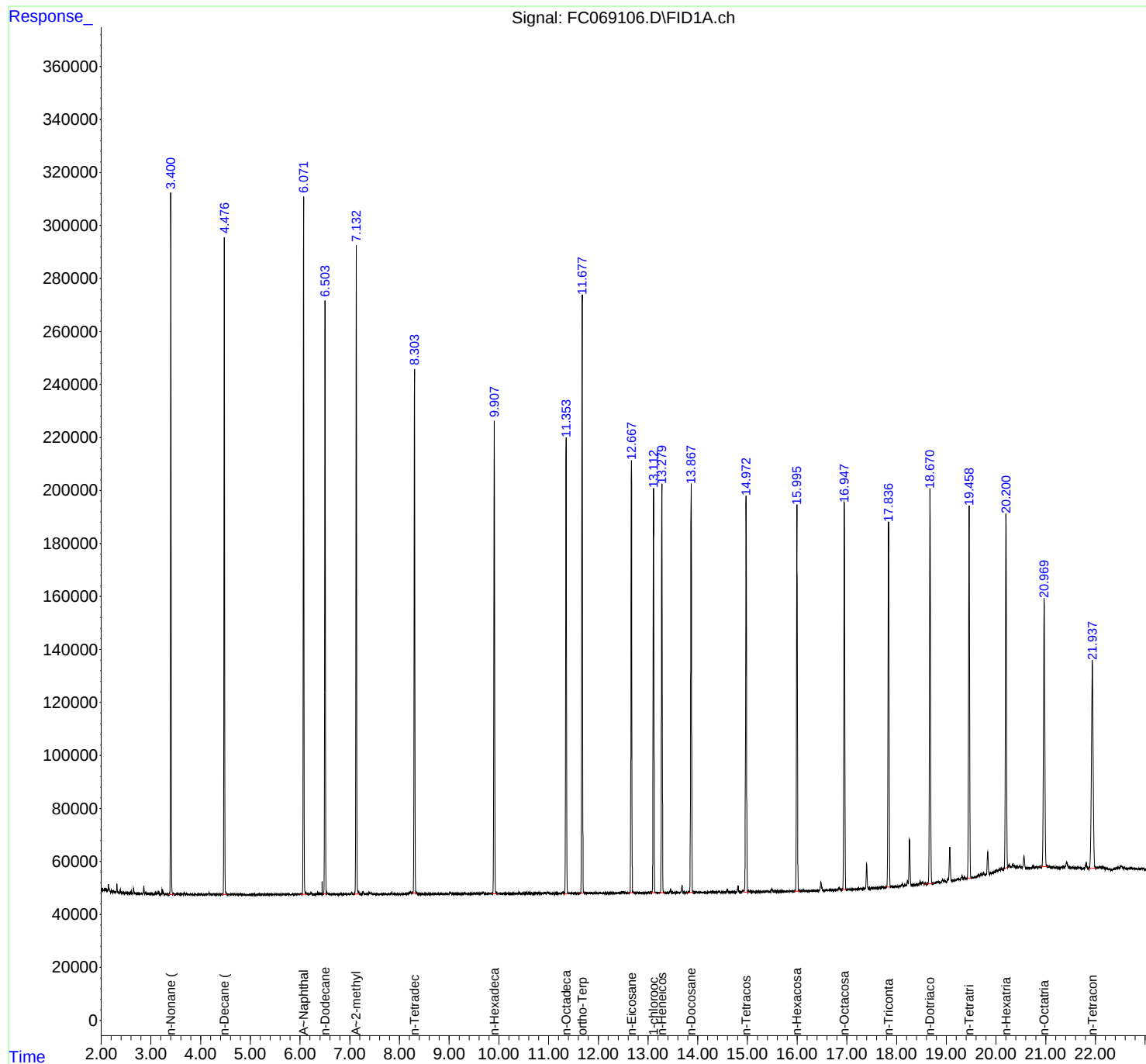
Instrument :
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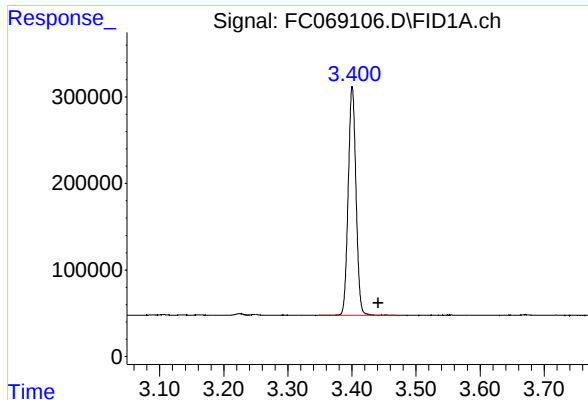
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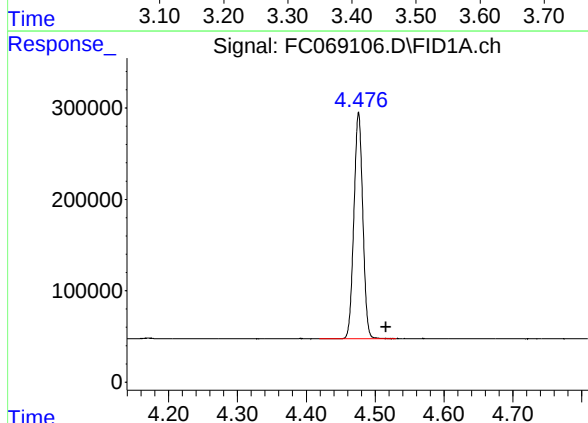
#1 n-Nonane (C9)

R.T.: 3.401 min
Delta R.T.: -0.040 min
Response: 2222440
Conc: 20.94 ug/ml

Instrument :
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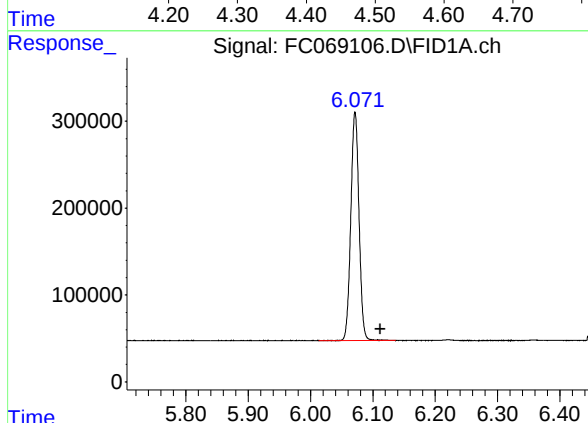
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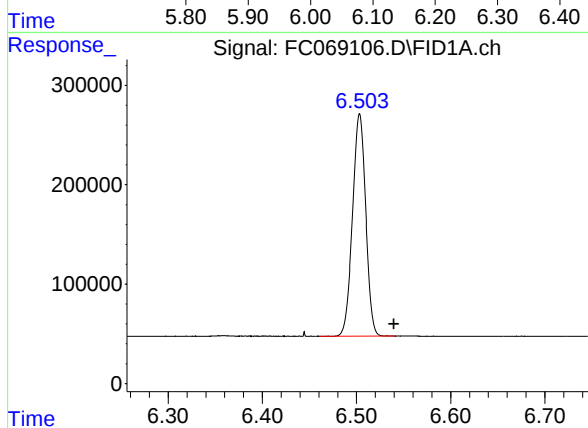
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.040 min
Response: 2221113
Conc: 20.97 ug/ml



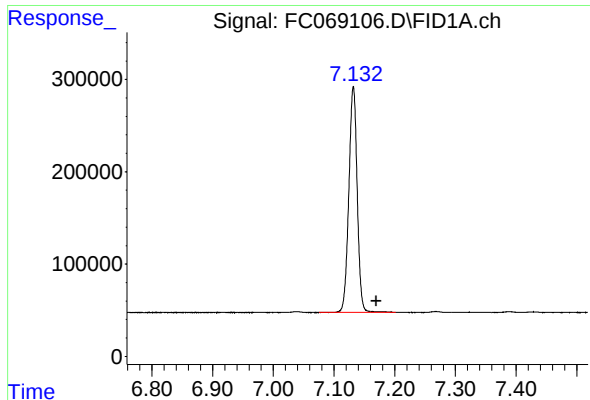
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.040 min
Response: 2408009
Conc: 20.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.037 min
Response: 2172184
Conc: 20.66 ug/ml



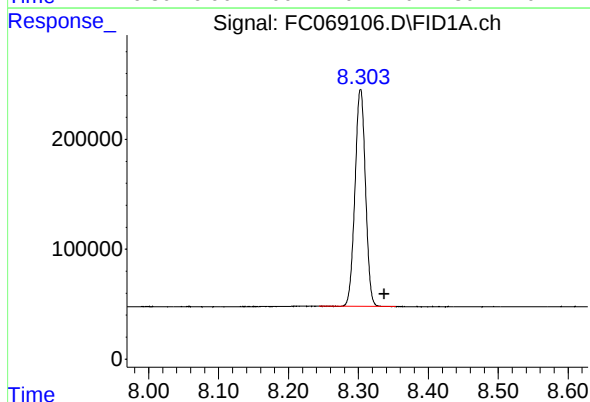
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.038 min
Response: 2345716
Conc: 20.69 ug/ml

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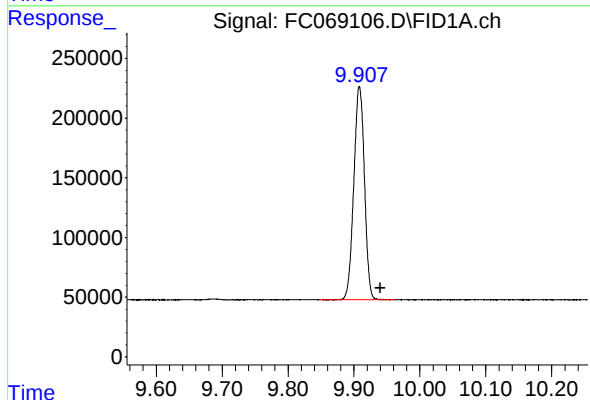
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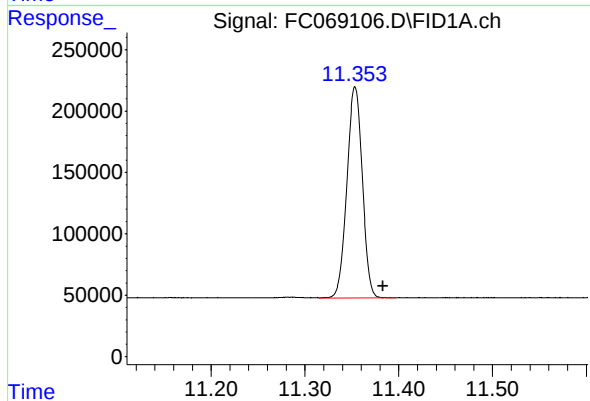
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2065871
Conc: 20.15 ug/ml



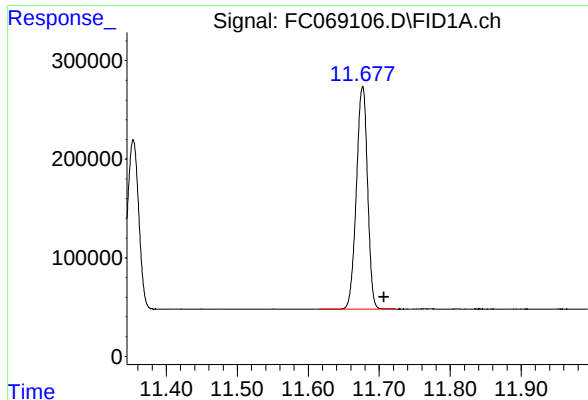
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2009284
Conc: 19.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 1964415
Conc: 19.66 ug/ml m



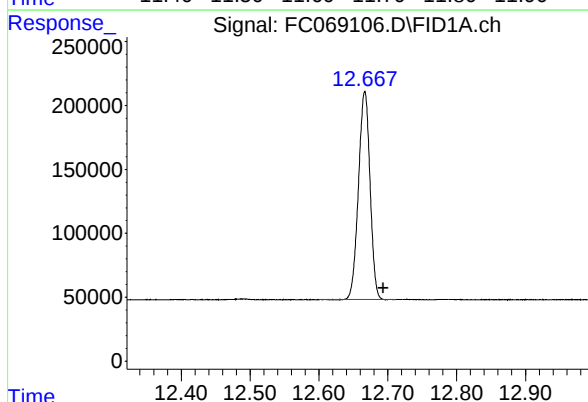
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.030 min
Response: 2467374
Conc: 20.00 ug/ml

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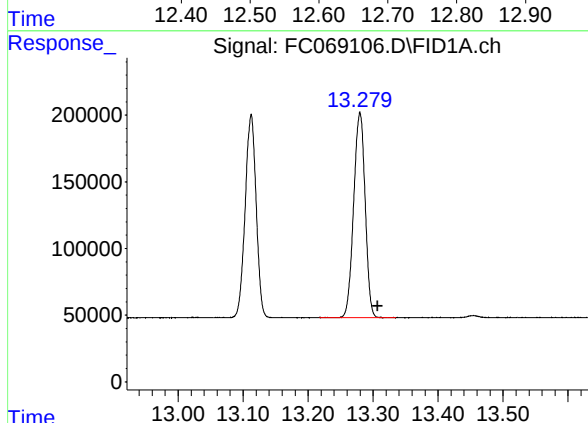
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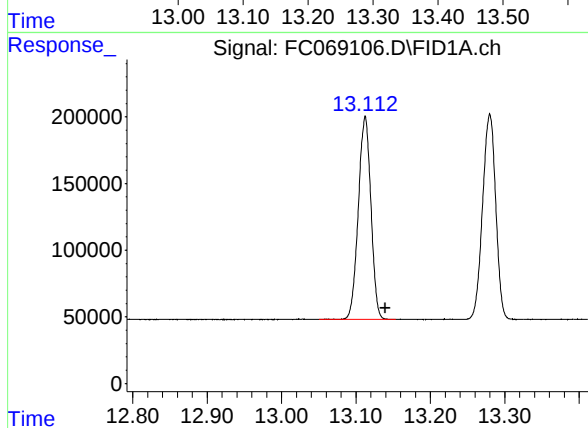
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1903813
Conc: 19.55 ug/ml



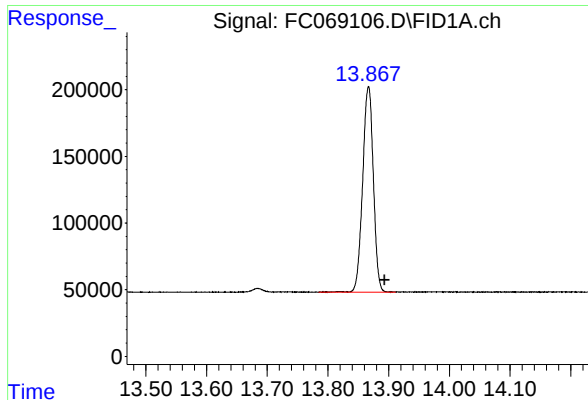
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1890180
Conc: 19.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1789664
Conc: 19.95 ug/ml



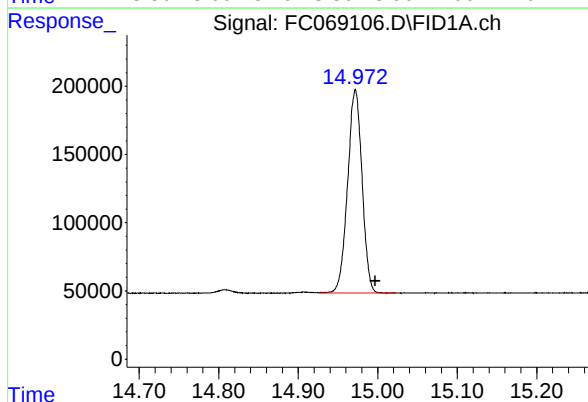
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.027 min
Response: 1883443
Conc: 19.77 ug/ml

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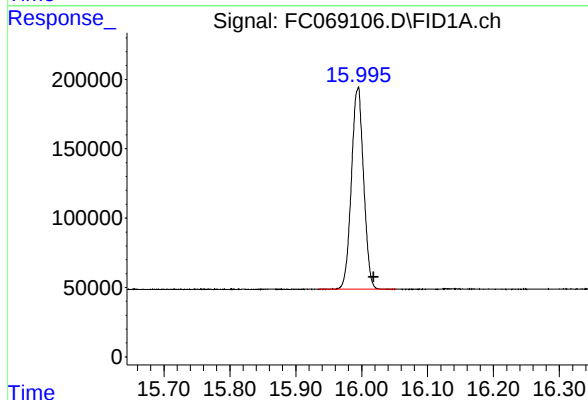
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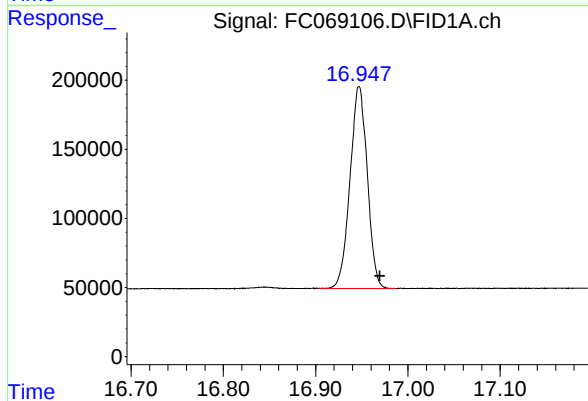
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1889255
Conc: 20.07 ug/ml



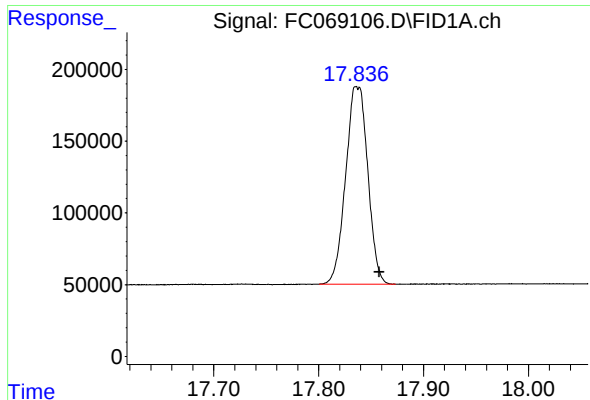
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: -0.024 min
Response: 1871577
Conc: 20.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1899969
Conc: 20.44 ug/ml



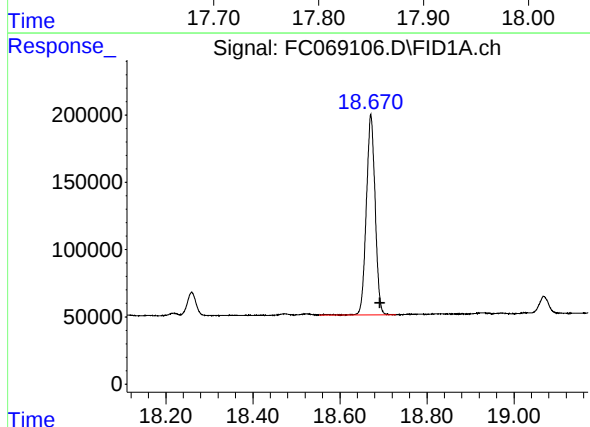
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 2020342
Conc: 20.88 ug/ml

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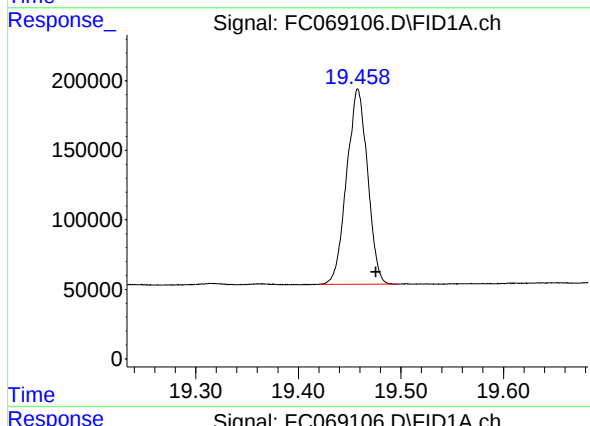
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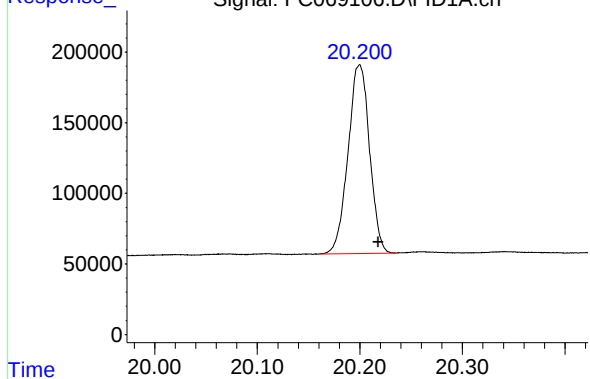
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 2086500
Conc: 21.05 ug/ml



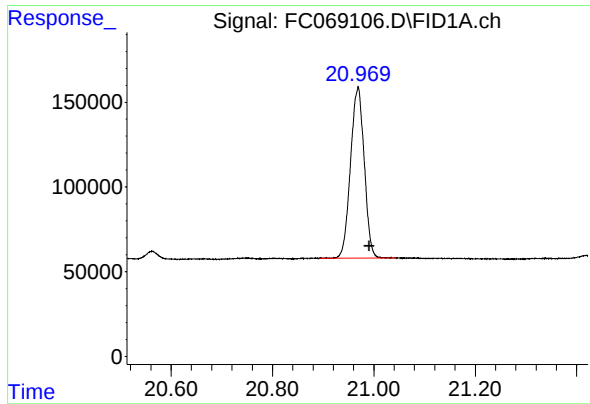
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.017 min
Response: 1988216
Conc: 20.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.200 min
Delta R.T.: -0.018 min
Response: 1945695
Conc: 20.50 ug/ml



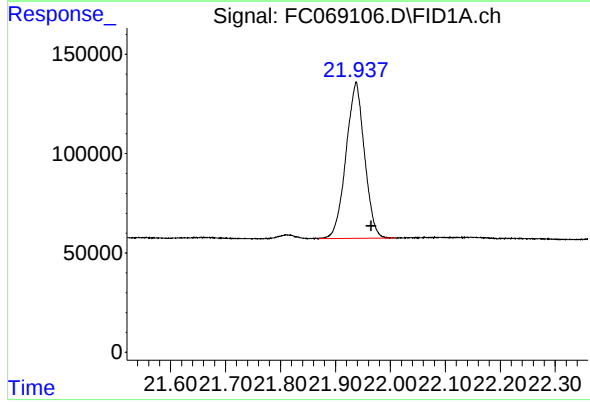
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 1888809
Conc: 20.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: -0.028 min
Response: 1832237
Conc: 20.77 ug/ml m