

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069156.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 12:12
 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 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 06:04:07 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)	11.677	2591640	21.011 ug/ml
Spiked Amount 50.000		Recovery =	42.02%
12) S 1-chlorooctadecane (S...	13.113	1779328	19.833 ug/ml
Spiked Amount 50.000		Recovery =	39.67%
Target Compounds			
1) T n-Nonane (C9)	3.403	2267261	21.364 ug/ml
2) T n-Decane (C10)	4.479	2286075	21.586 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2495853	21.584 ug/ml
4) T n-Dodecane (C12)	6.505	2230334	21.217 ug/ml
5) T A~2-methylnaphthalene...	7.133	2418396	21.332 ug/ml
6) T n-Tetradecane (C14)	8.305	2127397	20.754 ug/ml
7) T n-Hexadecane (C16)	9.910	2060073	20.303 ug/ml
8) T n-Octadecane (C18)	11.354	2013114	20.142 ug/mlm
10) T n-Eicosane (C20)	12.667	1953241	20.054 ug/ml
11) T n-Heneicosane (C21)	13.280	1922472	19.973 ug/ml
13) T n-Docosane (C22)	13.867	1944741	20.413 ug/ml
14) T n-Tetracosane (C24)	14.973	2004609	21.291 ug/ml
15) T n-Hexacosane (C26)	15.996	2054567	22.130 ug/ml
16) T n-Octacosane (C28)	16.948	2132736	22.944 ug/mlm
17) T n-Tricontane (C30)	17.839	2292064	23.689 ug/ml
18) T n-Dotriacontane (C32)	18.673	2364370	23.859 ug/ml
19) T n-Tetratriacontane (C34)	19.459	2197097	22.796 ug/ml
20) T n-Hexatriacontane (C36)	20.199	2024949	21.331 ug/ml
21) T n-Octatriacontane (C38)	20.970	1780168	19.512 ug/ml
22) T n-Tetracontane (C40)	21.933	1502759	17.031 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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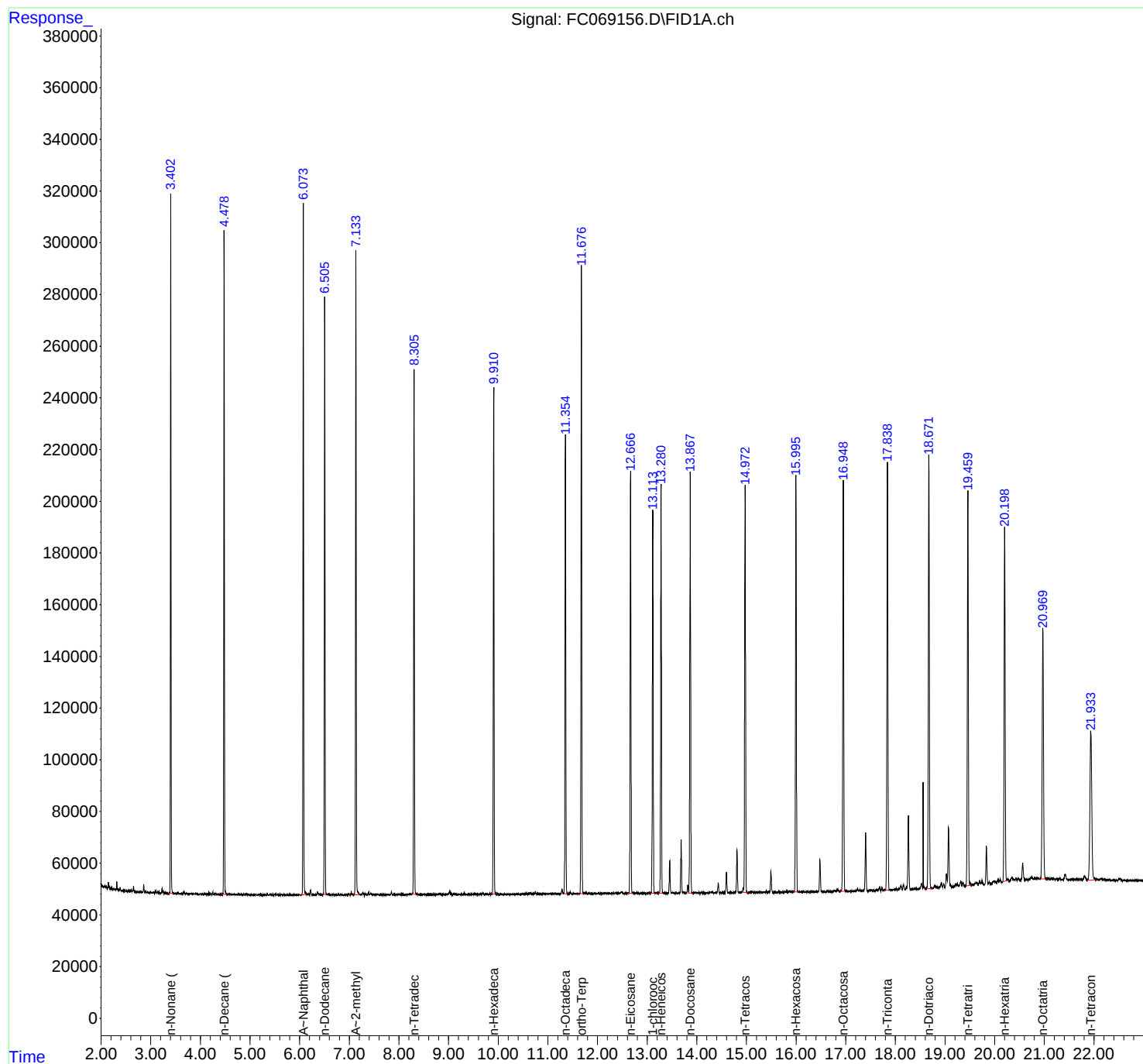
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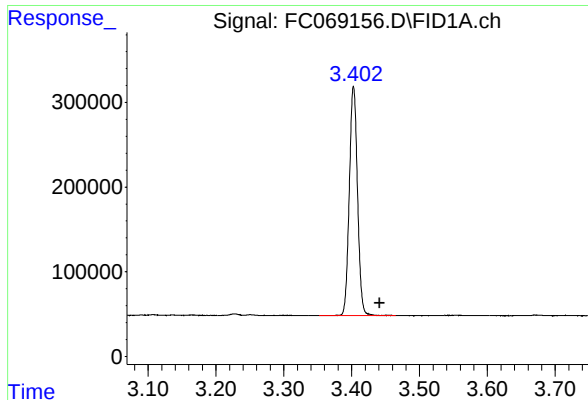
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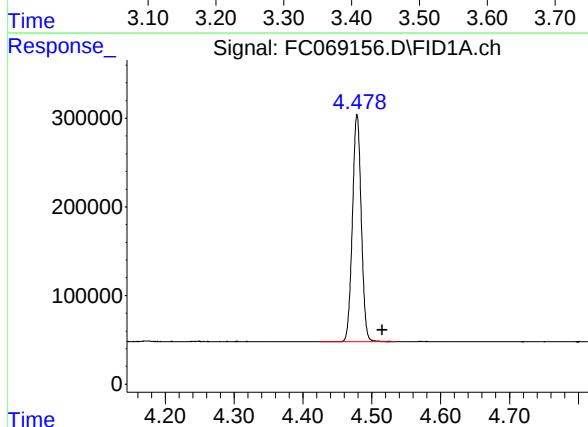
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 2267261
Conc: 21.36 ug/ml

Instrument : FID_C
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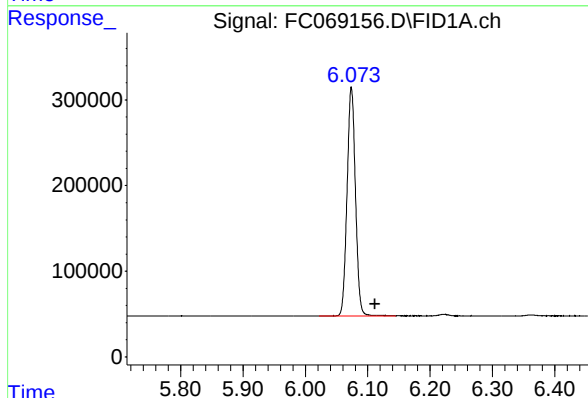
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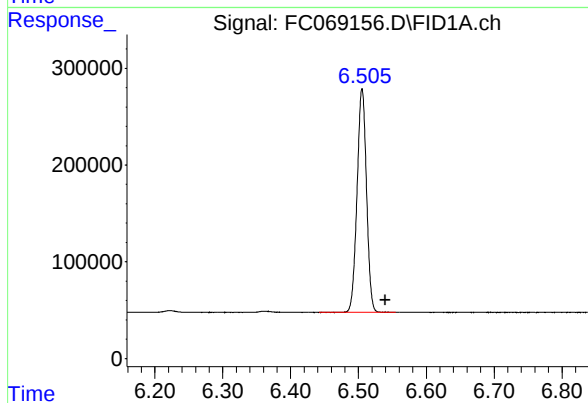
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.037 min
Response: 2286075
Conc: 21.59 ug/ml



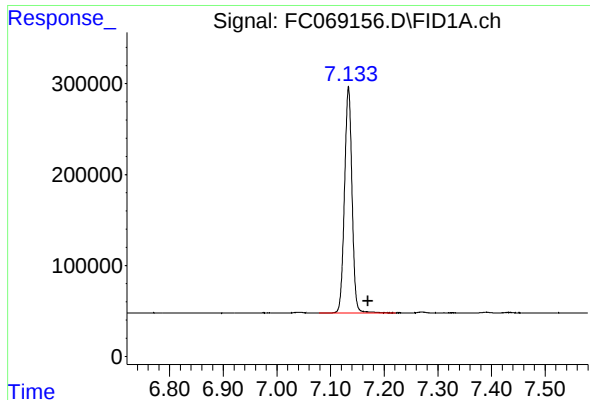
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.038 min
Response: 2495853
Conc: 21.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.034 min
Response: 2230334
Conc: 21.22 ug/ml



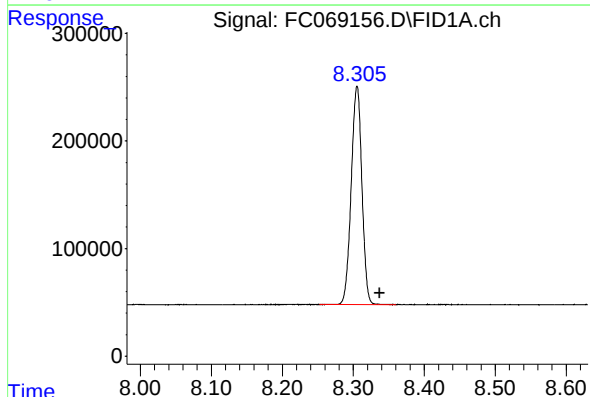
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.036 min
Response: 2418396
Conc: 21.33 ug/ml

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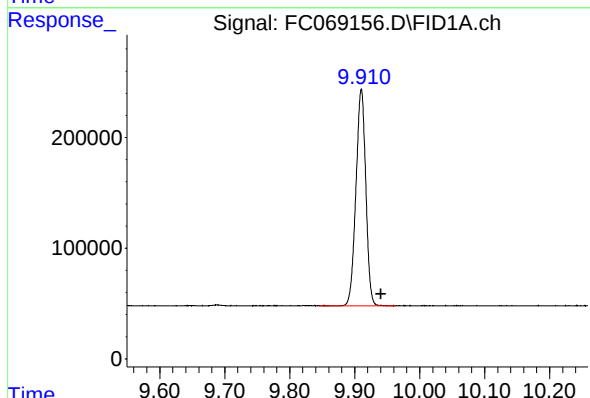
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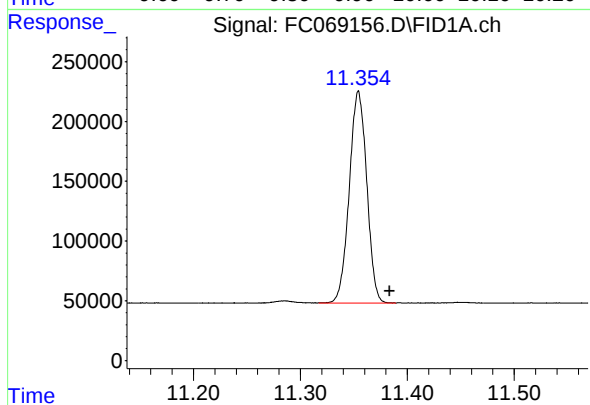
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 2127397
Conc: 20.75 ug/ml



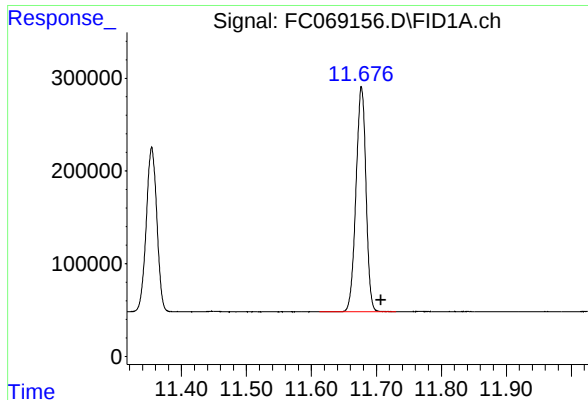
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: -0.030 min
Response: 2060073
Conc: 20.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 2013114
Conc: 20.14 ug/ml m



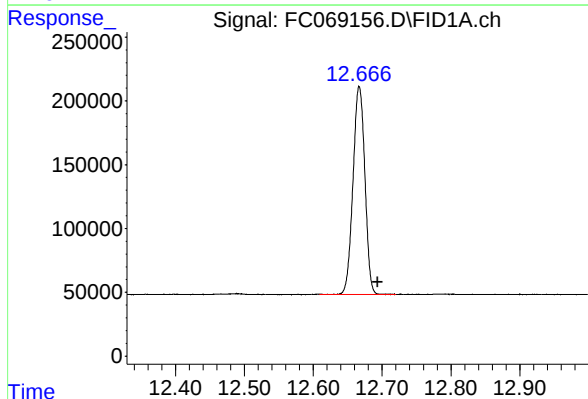
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.030 min
Response: 2591640
Conc: 21.01 ug/ml

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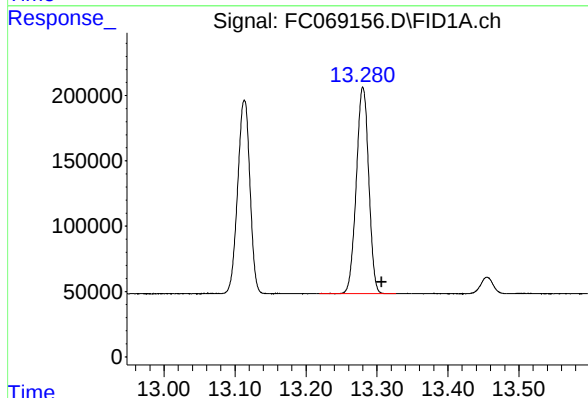
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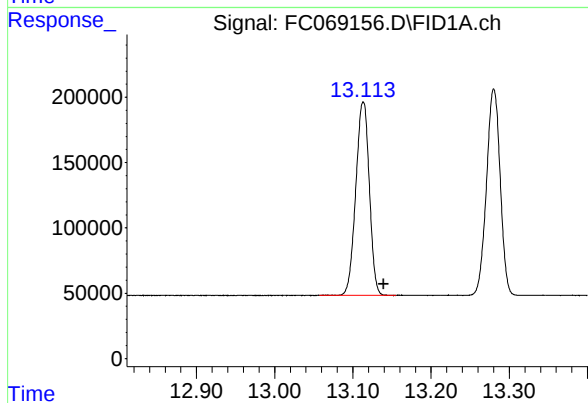
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1953241
Conc: 20.05 ug/ml



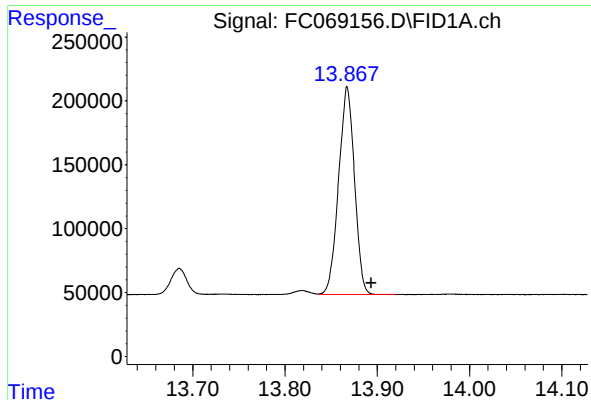
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1922472
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1779328
Conc: 19.83 ug/ml



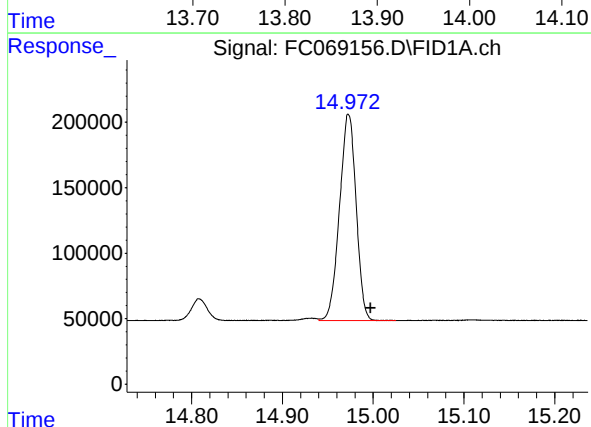
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.026 min
Response: 1944741
Conc: 20.41 ug/ml

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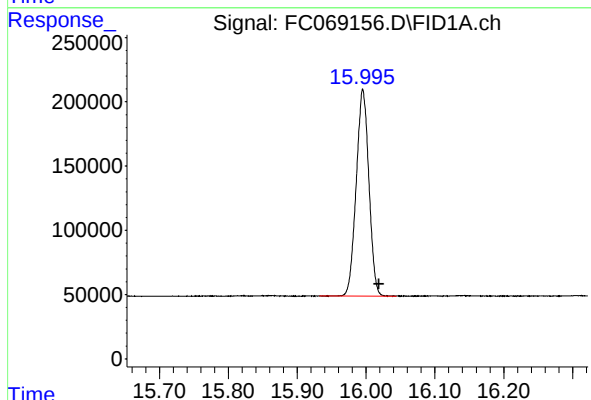
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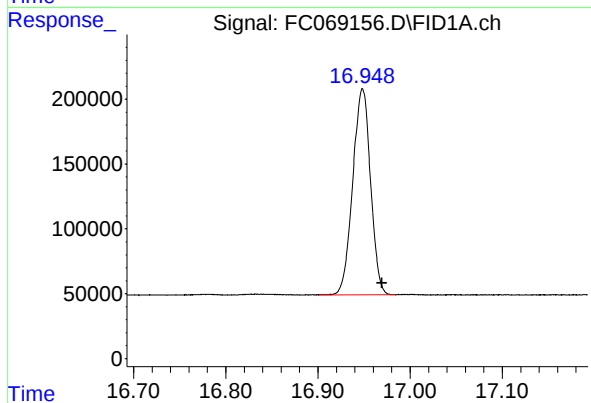
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: -0.024 min
Response: 2004609
Conc: 21.29 ug/ml



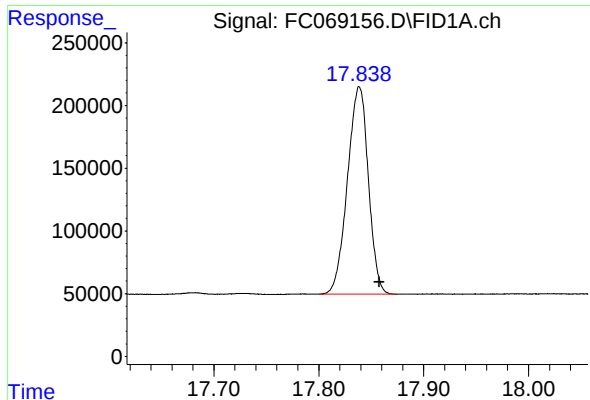
#15 n-Hexacosane (C26)

R.T.: 15.996 min
Delta R.T.: -0.023 min
Response: 2054567
Conc: 22.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.948 min
Delta R.T.: -0.022 min
Response: 2132736
Conc: 22.94 ug/ml m



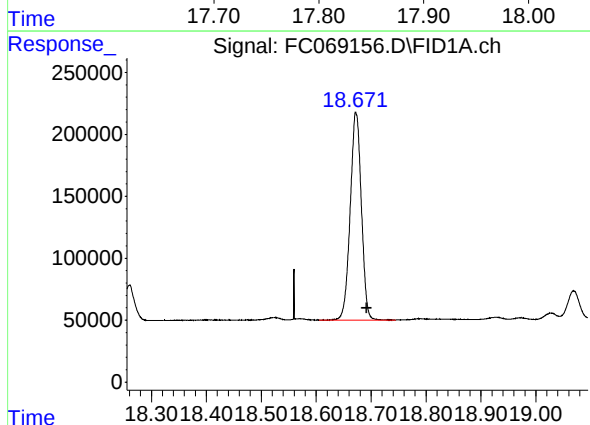
#17 n-Tricontane (C30)

R.T.: 17.839 min
Delta R.T.: -0.019 min
Response: 2292064
Conc: 23.69 ug/ml

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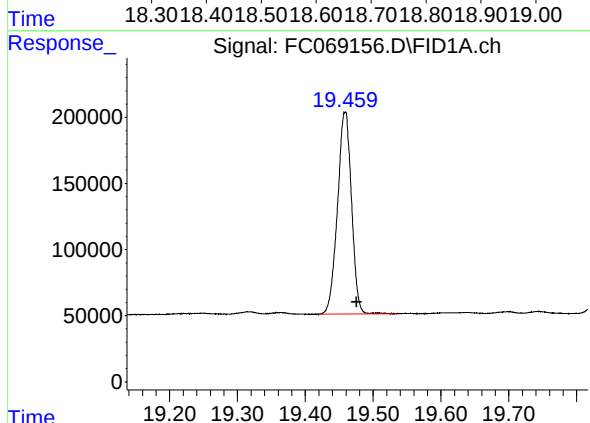
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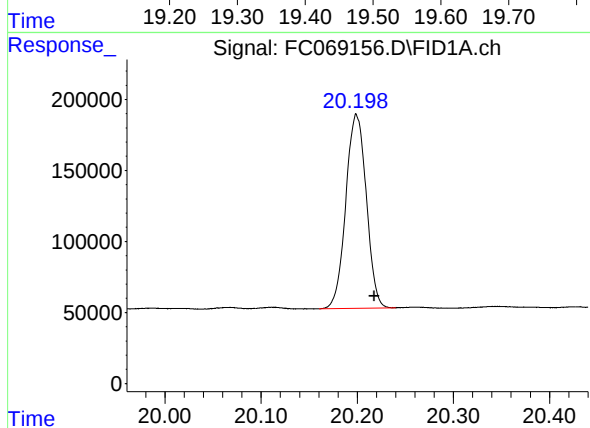
#18 n-Dotriacontane (C32)

R.T.: 18.673 min
Delta R.T.: -0.019 min
Response: 2364370
Conc: 23.86 ug/ml



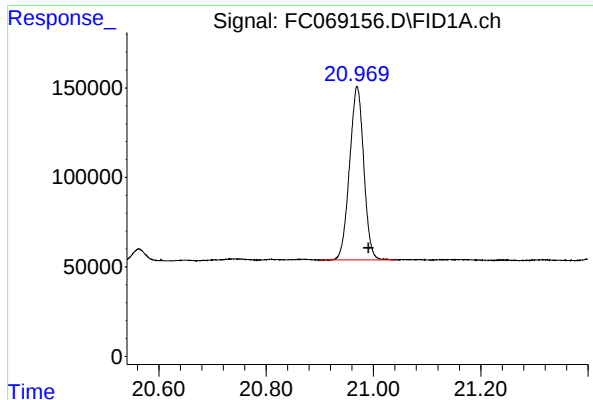
#19 n-Tetratriacontane (C34)

R.T.: 19.459 min
Delta R.T.: -0.017 min
Response: 2197097
Conc: 22.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 2024949
Conc: 21.33 ug/ml



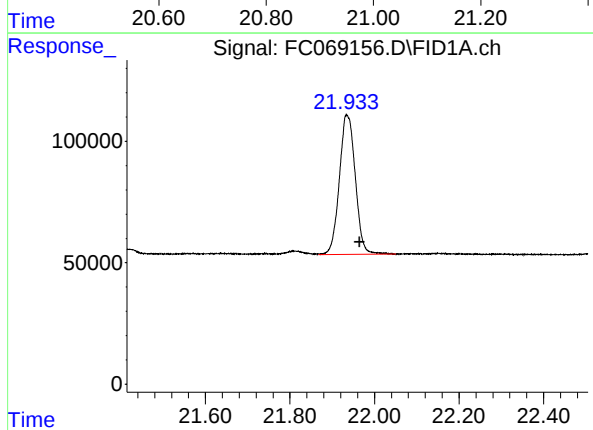
#21 n-Octatriacontane (C38)

R.T.: 20.970 min
Delta R.T.: -0.021 min
Response: 1780168
Conc: 19.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.933 min
Delta R.T.: -0.032 min
Response: 1502759
Conc: 17.03 ug/ml m