

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069140.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 21:41
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 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 05:55:48 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	2585004	20.958 ug/ml
Spiked Amount 50.000		Recovery =	41.92%
12) S 1-chlorooctadecane (S...	13.113	1791782	19.972 ug/ml
Spiked Amount 50.000		Recovery =	39.94%
Target Compounds			
1) T n-Nonane (C9)	3.400	2313216	21.797 ug/ml
2) T n-Decane (C10)	4.476	2327777	21.979 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2511598	21.720 ug/ml
4) T n-Dodecane (C12)	6.503	2257578	21.476 ug/ml
5) T A~2-methylnaphthalene...	7.131	2427066	21.408 ug/ml
6) T n-Tetradecane (C14)	8.303	2148076	20.956 ug/ml
7) T n-Hexadecane (C16)	9.908	2073321	20.433 ug/ml
8) T n-Octadecane (C18)	11.353	2039392	20.405 ug/mlm
10) T n-Eicosane (C20)	12.666	1961471	20.139 ug/ml
11) T n-Heneicosane (C21)	13.280	1931191	20.064 ug/ml
13) T n-Docosane (C22)	13.867	1949503	20.463 ug/ml
14) T n-Tetracosane (C24)	14.972	1998106	21.222 ug/mlm
15) T n-Hexacosane (C26)	15.995	2033894	21.907 ug/ml
16) T n-Octacosane (C28)	16.948	2117477	22.780 ug/ml
17) T n-Tricontane (C30)	17.839	2232737	23.076 ug/ml
18) T n-Dotriacontane (C32)	18.673	2300045	23.210 ug/ml
19) T n-Tetratriacontane (C34)	19.459	2150755	22.316 ug/ml
20) T n-Hexatriacontane (C36)	20.201	2012293	21.198 ug/ml
21) T n-Octatriacontane (C38)	20.969	1822170	19.972 ug/ml
22) T n-Tetracontane (C40)	21.940	1650142	18.702 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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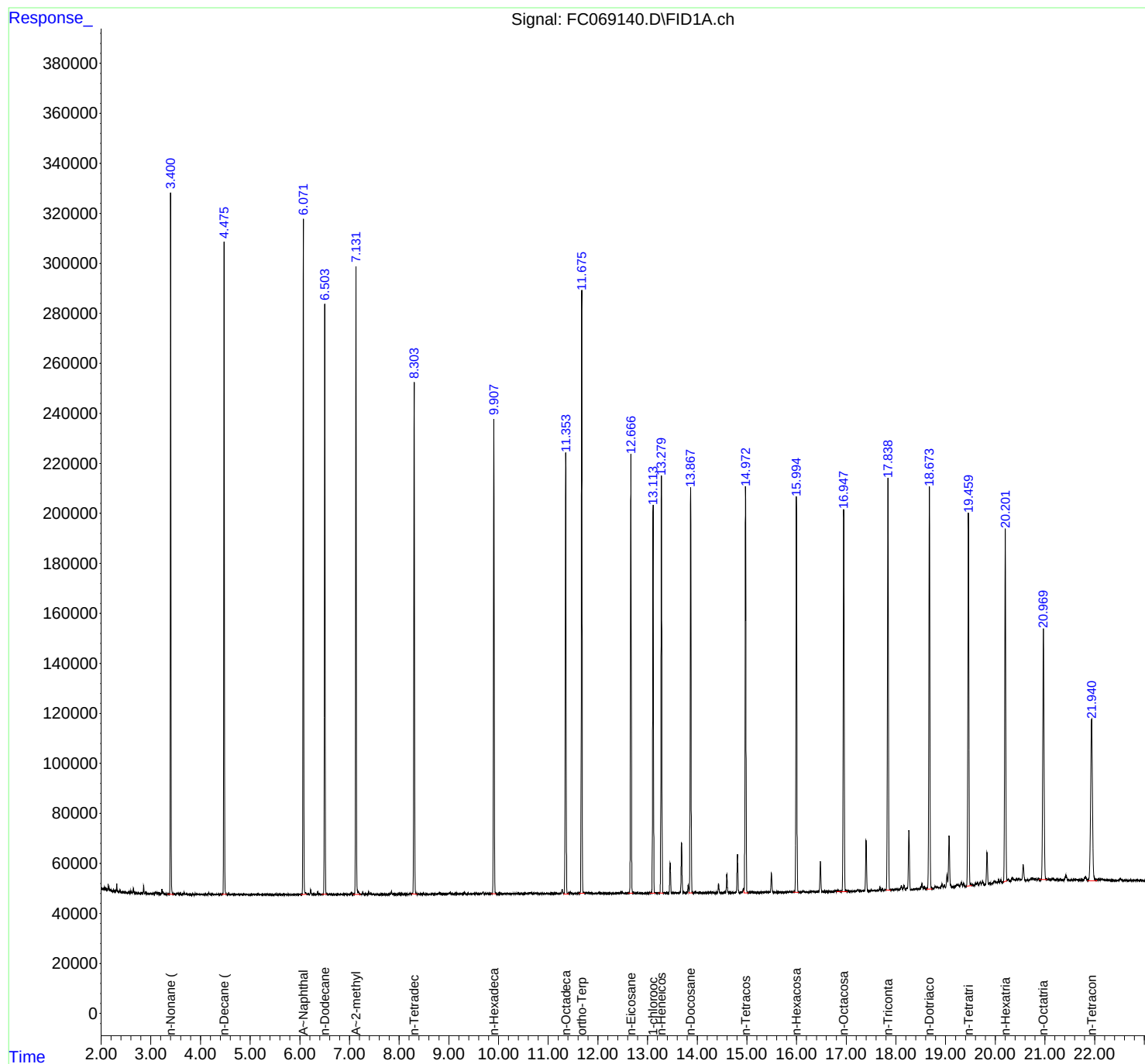
Instrument :
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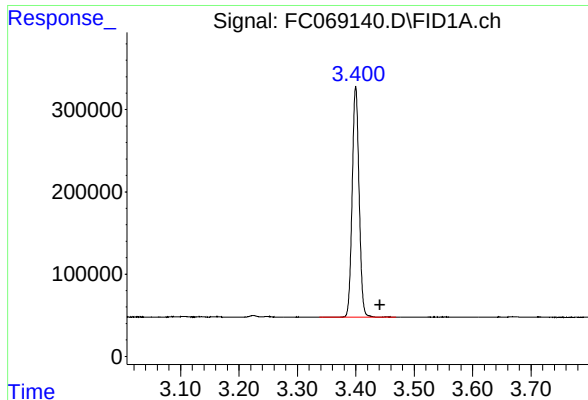
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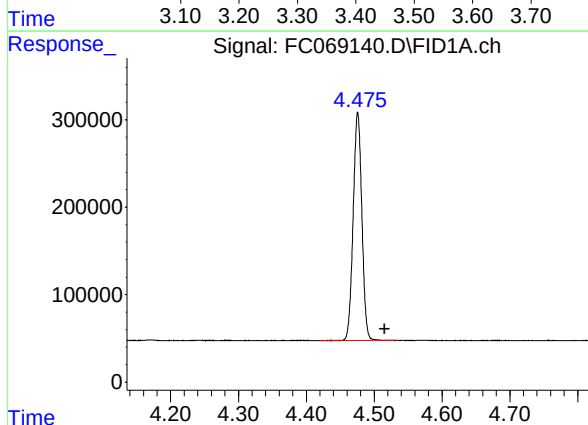
#1 n-Nonane (C9)

R.T.: 3.400 min
Delta R.T.: -0.041 min
Response: 2313216
Conc: 21.80 ug/ml

Instrument :
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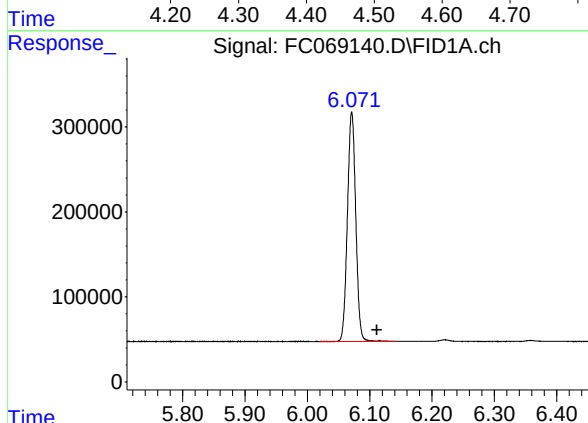
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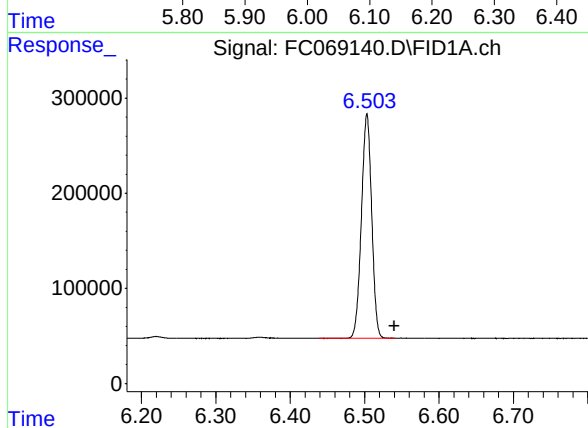
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.040 min
Response: 2327777
Conc: 21.98 ug/ml



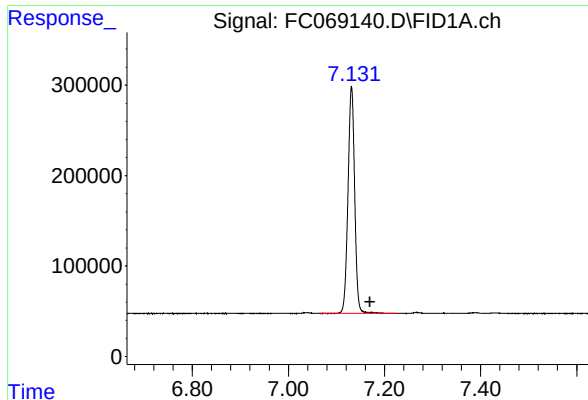
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: -0.041 min
Response: 2511598
Conc: 21.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.503 min
Delta R.T.: -0.037 min
Response: 2257578
Conc: 21.48 ug/ml



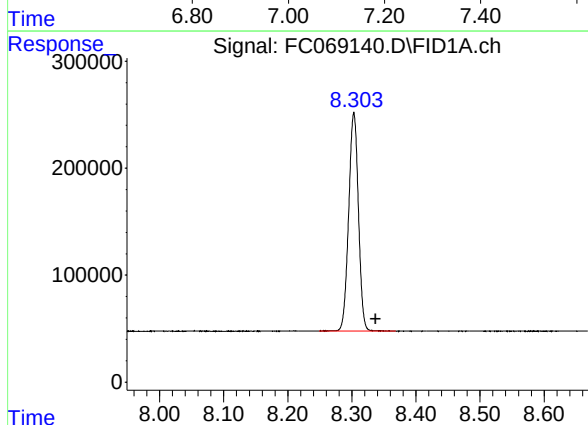
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: -0.038 min
Response: 2427066
Conc: 21.41 ug/ml

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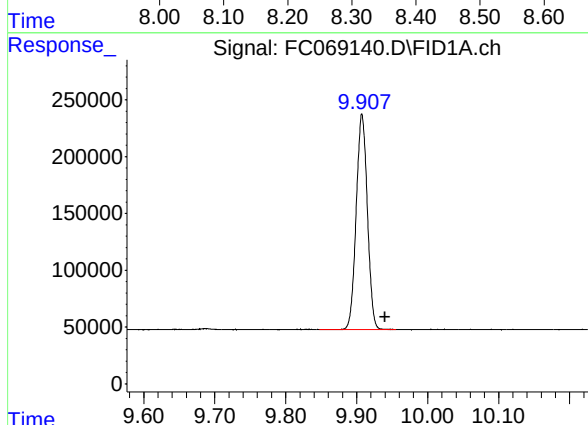
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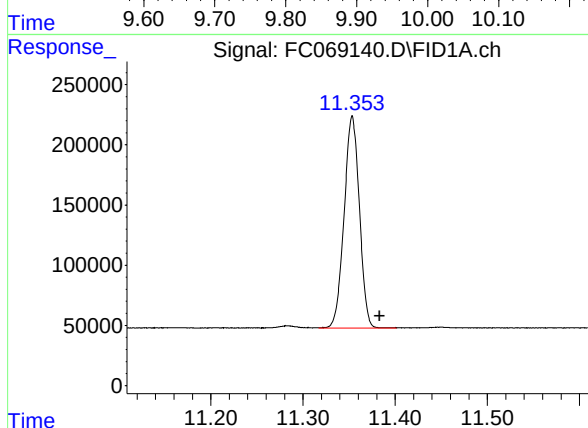
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.034 min
Response: 2148076
Conc: 20.96 ug/ml



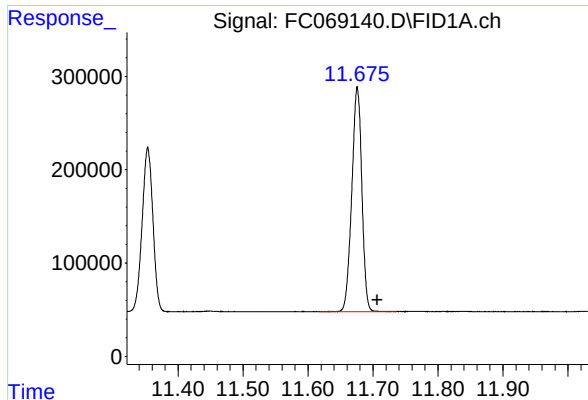
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 2073321
Conc: 20.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.030 min
Response: 2039392
Conc: 20.41 ug/ml m



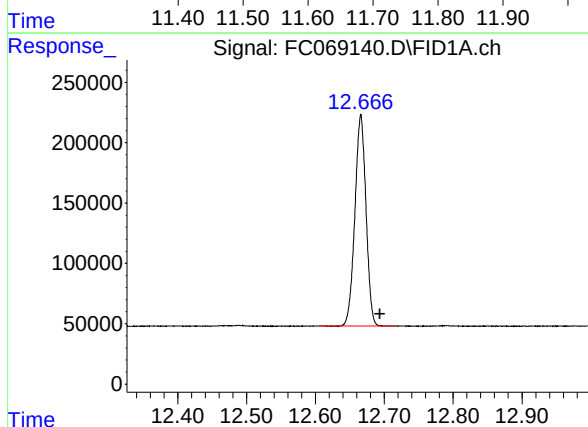
#9 ortho-Terphenyl (SURR)

R.T.: 11.676 min
Delta R.T.: -0.031 min
Response: 2585004
Conc: 20.96 ug/ml

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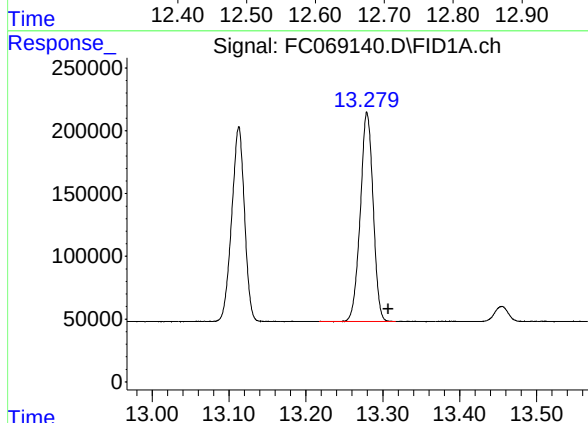
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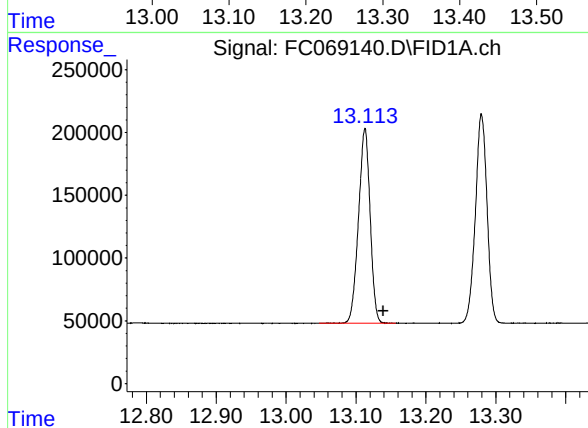
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.028 min
Response: 1961471
Conc: 20.14 ug/ml



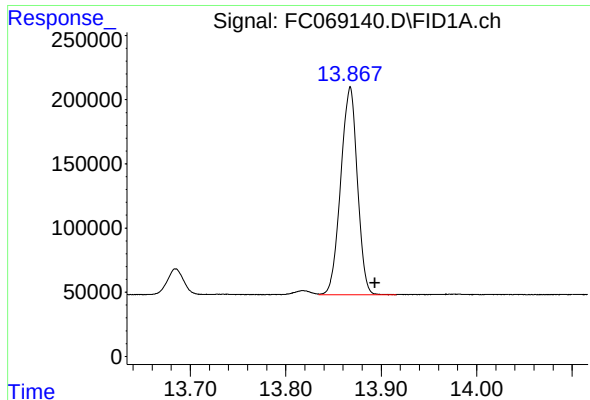
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1931191
Conc: 20.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.027 min
Response: 1791782
Conc: 19.97 ug/ml



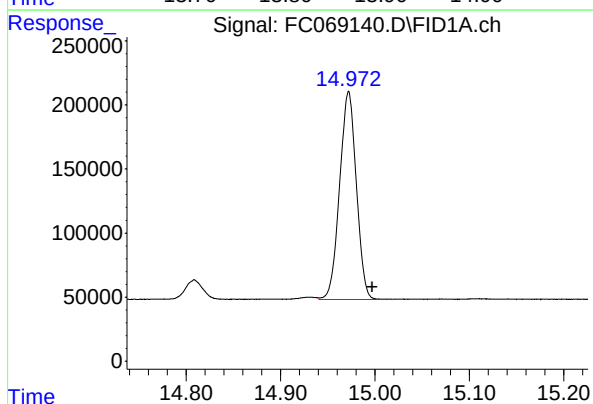
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.026 min
Response: 1949503
Conc: 20.46 ug/ml

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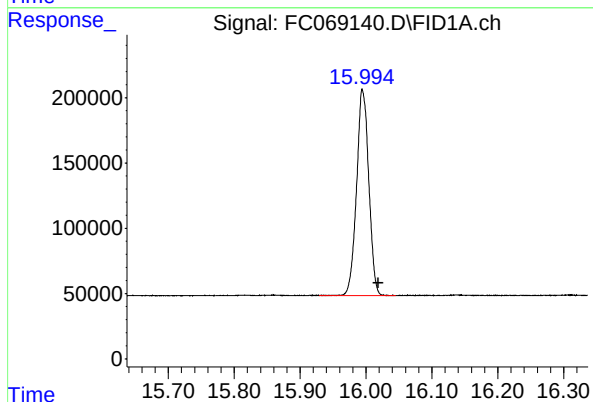
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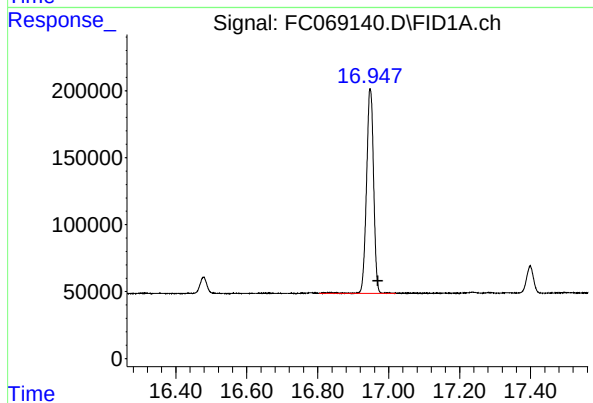
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1998106
Conc: 21.22 ug/ml m



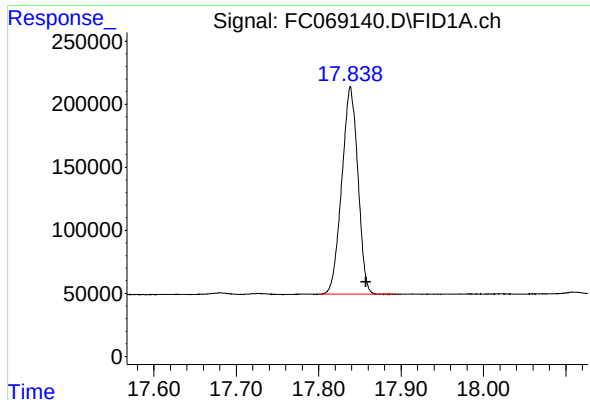
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.023 min
Response: 2033894
Conc: 21.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.948 min
Delta R.T.: -0.022 min
Response: 2117477
Conc: 22.78 ug/ml



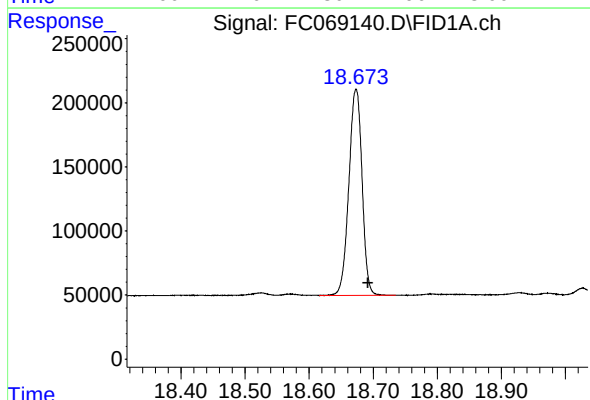
#17 n-Tricontane (C30)

R.T.: 17.839 min
Delta R.T.: -0.019 min
Response: 2232737
Conc: 23.08 ug/ml

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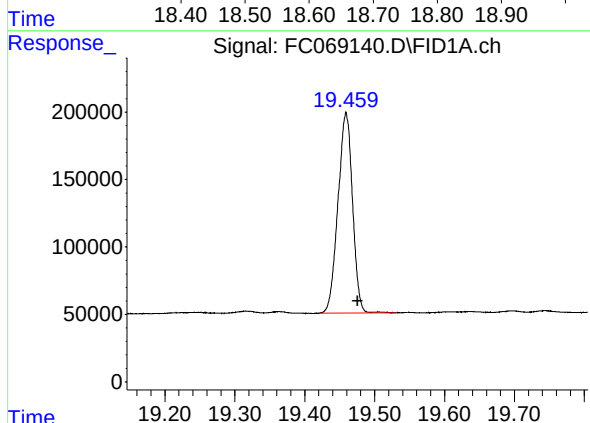
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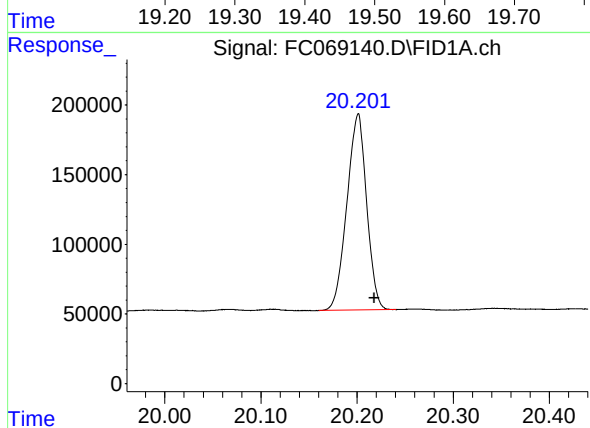
#18 n-Dotriacontane (C32)

R.T.: 18.673 min
Delta R.T.: -0.019 min
Response: 2300045
Conc: 23.21 ug/ml



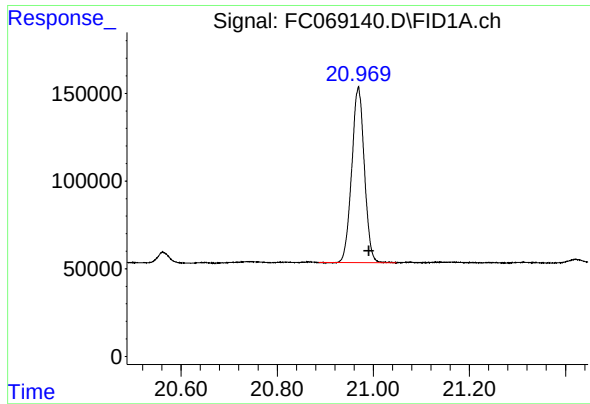
#19 n-Tetatriacontane (C34)

R.T.: 19.459 min
Delta R.T.: -0.017 min
Response: 2150755
Conc: 22.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.201 min
Delta R.T.: -0.017 min
Response: 2012293
Conc: 21.20 ug/ml



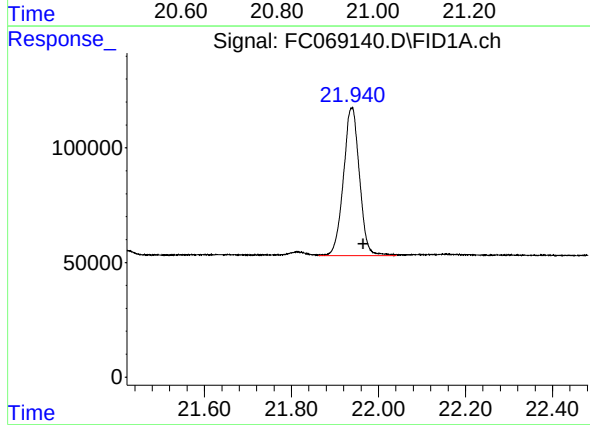
#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: -0.022 min
Response: 1822170
Conc: 19.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.940 min
Delta R.T.: -0.025 min
Response: 1650142
Conc: 18.70 ug/ml m