

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062325AL\
 Data File : FC069255.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jun 2025 23:29
 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 06/24/2025
 Supervised By :mohammad ahmed 06/25/2025

Integration File: autoint1.e
 Quant Time: Jun 24 01:27:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.680	3436683	19.893 ug/ml
Spiked Amount 50.000		Recovery =	39.79%
12) S 1-chlorooctadecane (S...	13.116	2615353	20.019 ug/ml
Spiked Amount 50.000		Recovery =	40.04%
Target Compounds			
1) T n-Nonane (C9)	3.411	2830605	19.903 ug/ml
2) T n-Decane (C10)	4.482	2948703	20.142 ug/ml
3) T A~Naphthalene (C11.7)	6.077	3227376	20.059 ug/ml
4) T n-Dodecane (C12)	6.507	3061245	20.216 ug/ml
5) T A~2-methylnaphthalene...	7.137	3239093	20.468 ug/ml
6) T n-Tetradecane (C14)	8.307	3073517	19.828 ug/ml
7) T n-Hexadecane (C16)	9.912	3091878	18.920 ug/ml
8) T n-Octadecane (C18)	11.357	3009580	18.433 ug/ml
10) T n-Eicosane (C20)	12.669	2864316	18.765 ug/ml
11) T n-Heneicosane (C21)	13.282	2798862	18.989 ug/ml
13) T n-Docosane (C22)	13.870	2733742	19.000 ug/ml
14) T n-Tetracosane (C24)	14.975	2640588	19.144 ug/ml
15) T n-Hexacosane (C26)	15.997	2530040	19.354 ug/ml
16) T n-Octacosane (C28)	16.949	2474266	20.062 ug/ml
17) T n-Tricontane (C30)	17.837	2533050	21.307 ug/ml
18) T n-Dotriacontane (C32)	18.671	2482052	22.701 ug/ml
19) T n-Tetratriacontane (C34)	19.458	2195735	22.738 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1756991	21.319 ug/ml
21) T n-Octatriacontane (C38)	20.966	1286148	17.210 ug/ml
22) T n-Tetracontane (C40)	21.938	1065158	15.041 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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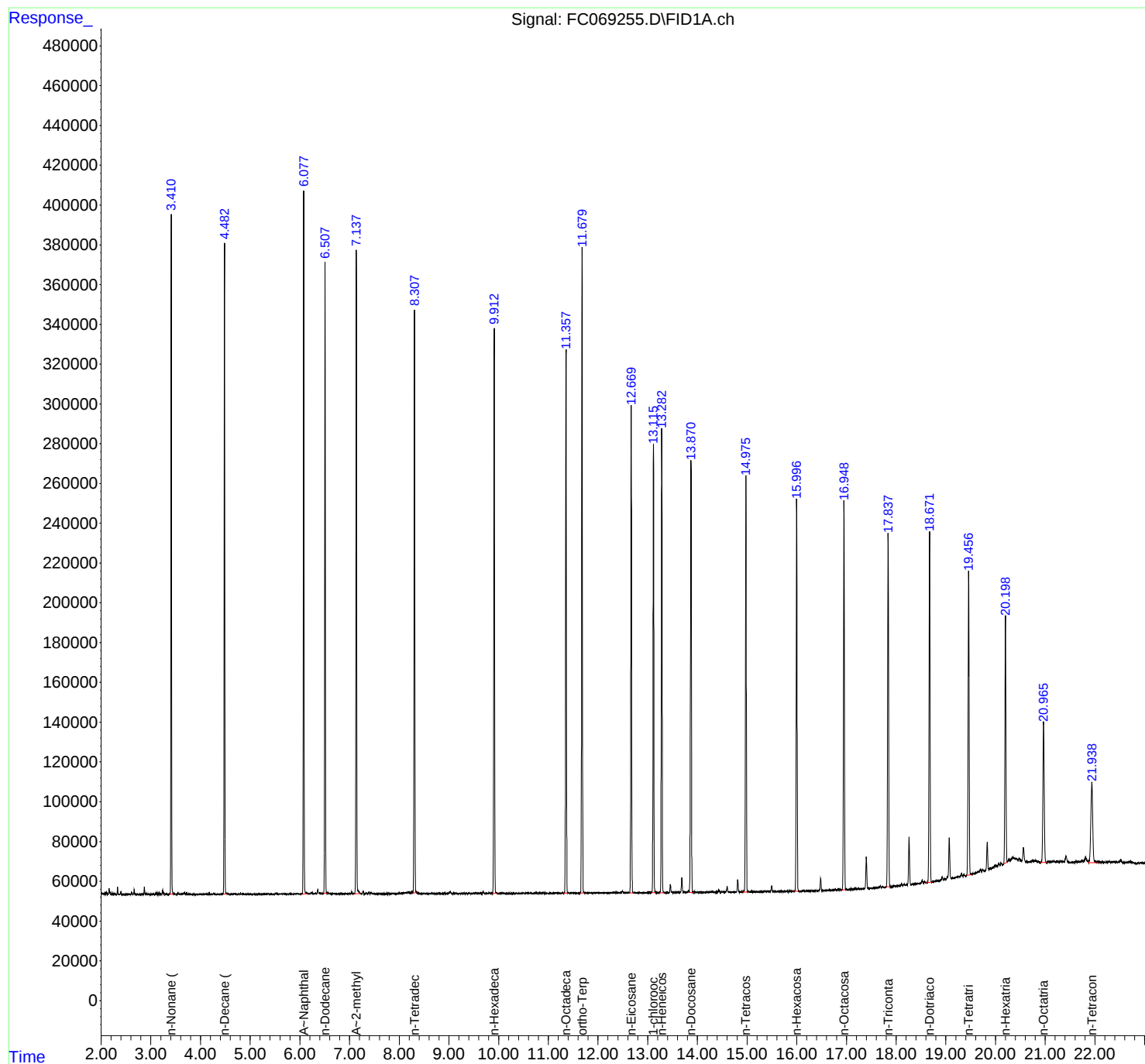
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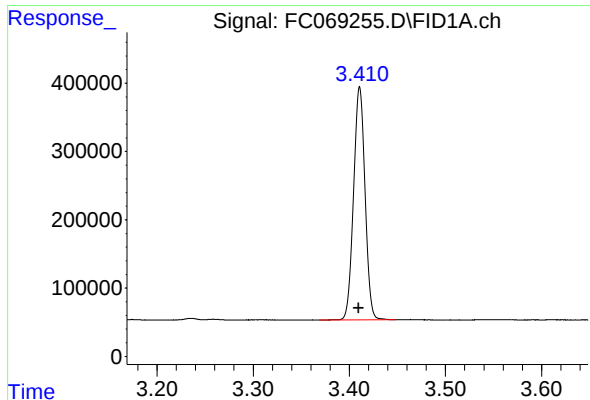
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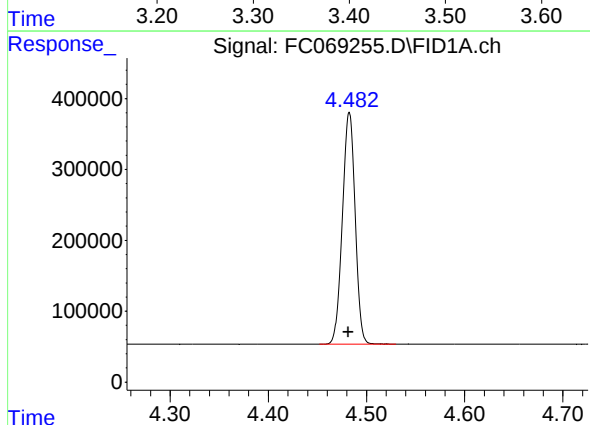
#1 n-Nonane (C9)

R.T.: 3.411 min
Delta R.T.: 0.000 min
Response: 2830605
Conc: 19.90 ug/ml

Instrument :
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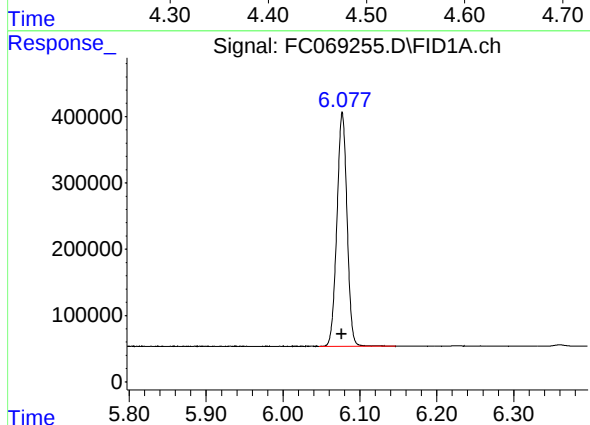
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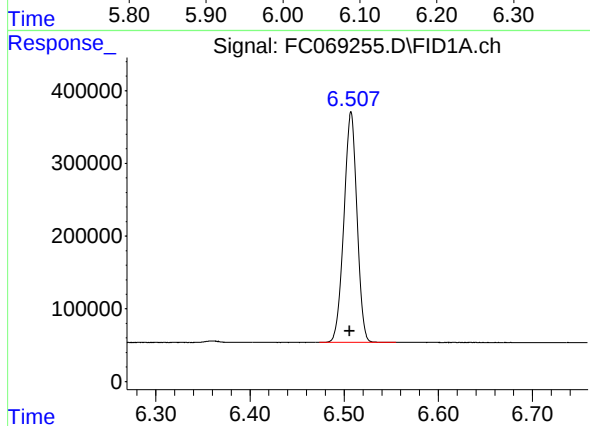
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: 0.001 min
Response: 2948703
Conc: 20.14 ug/ml



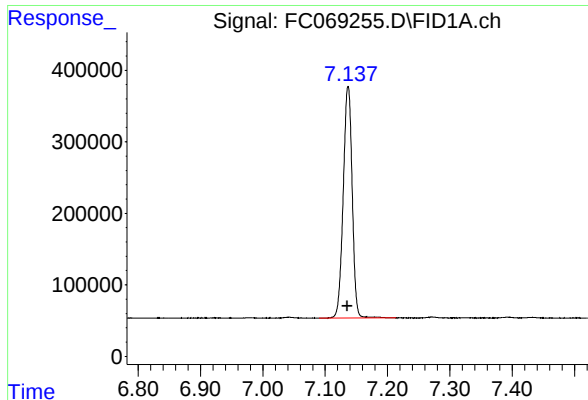
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 3227376
Conc: 20.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.507 min
Delta R.T.: 0.001 min
Response: 3061245
Conc: 20.22 ug/ml



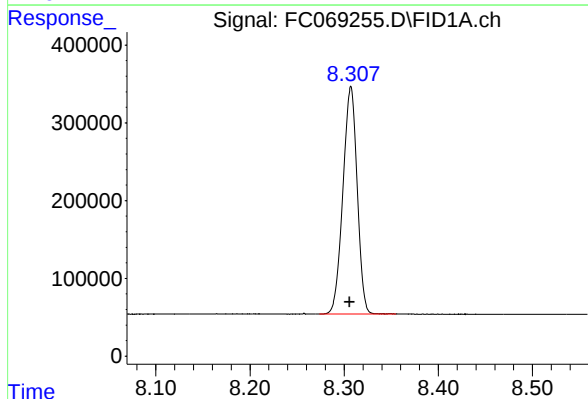
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.137 min
Delta R.T.: 0.001 min
Response: 3239093
Conc: 20.47 ug/ml

Instrument : FID_C
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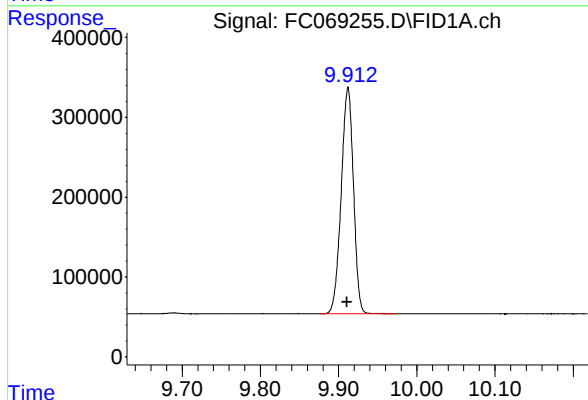
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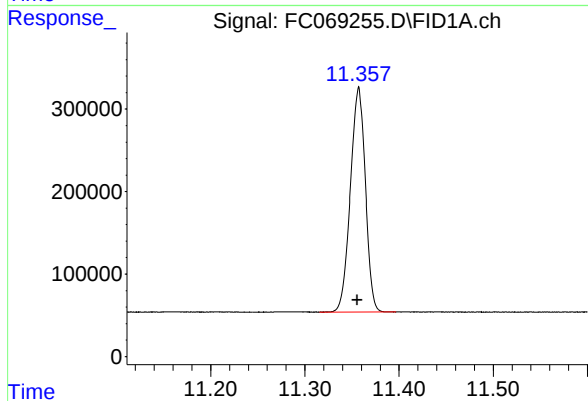
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: 0.001 min
Response: 3073517
Conc: 19.83 ug/ml



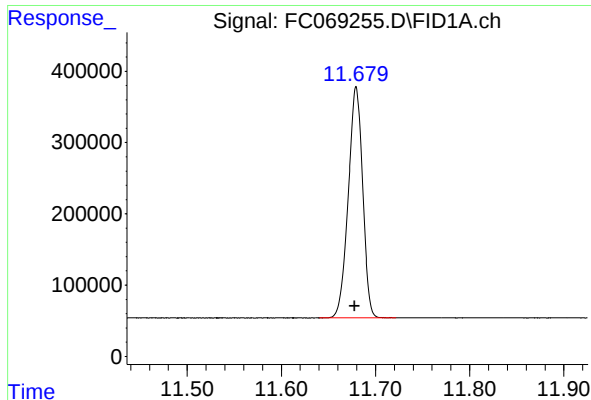
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: 0.001 min
Response: 3091878
Conc: 18.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.357 min
Delta R.T.: 0.001 min
Response: 3009580
Conc: 18.43 ug/ml



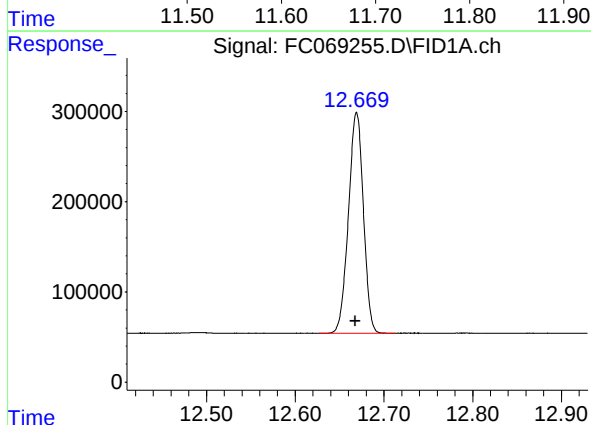
#9 ortho-Terphenyl (SURR)

R.T.: 11.680 min
Delta R.T.: 0.002 min
Response: 3436683
Conc: 19.89 ug/ml

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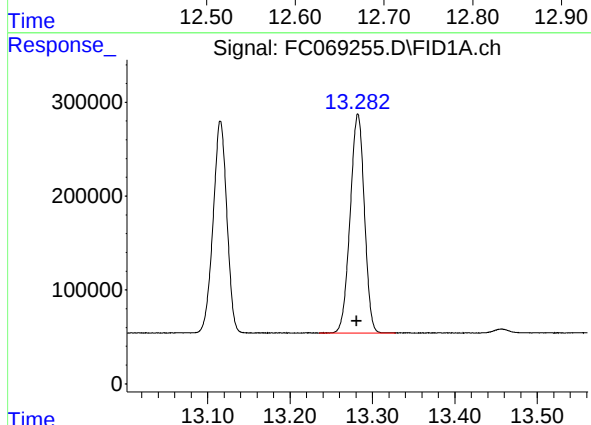
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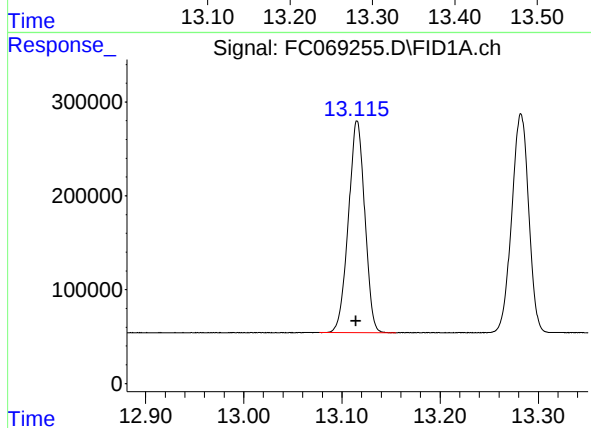
#10 n-Eicosane (C20)

R.T.: 12.669 min
Delta R.T.: 0.001 min
Response: 2864316
Conc: 18.77 ug/ml



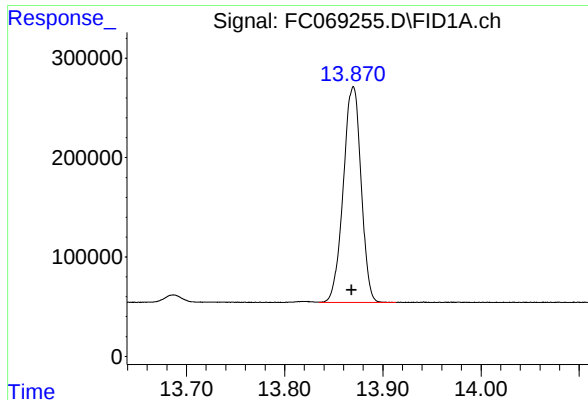
#11 n-Heneicosane (C21)

R.T.: 13.282 min
Delta R.T.: 0.002 min
Response: 2798862
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: 0.001 min
Response: 2615353
Conc: 20.02 ug/ml



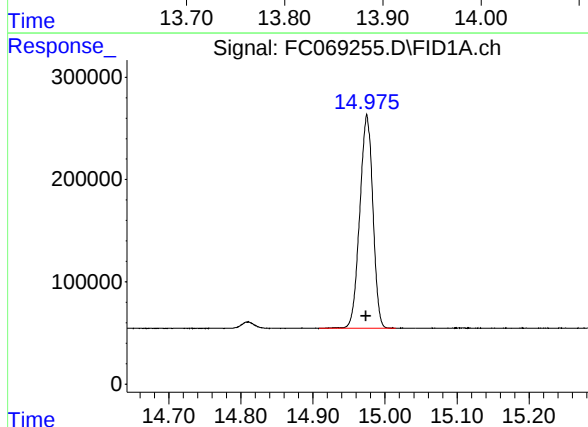
#13 n-Docosane (C22)

R.T.: 13.870 min
Delta R.T.: 0.001 min
Response: 2733742
Conc: 19.00 ug/ml

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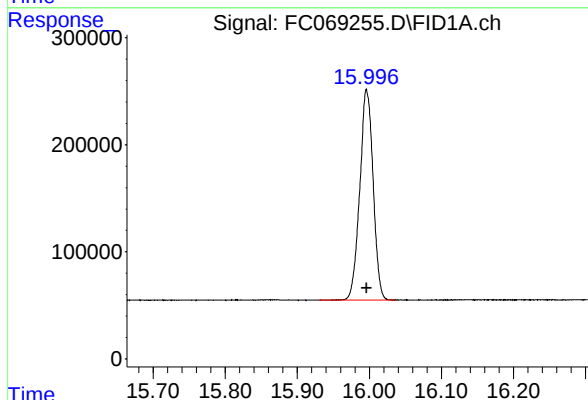
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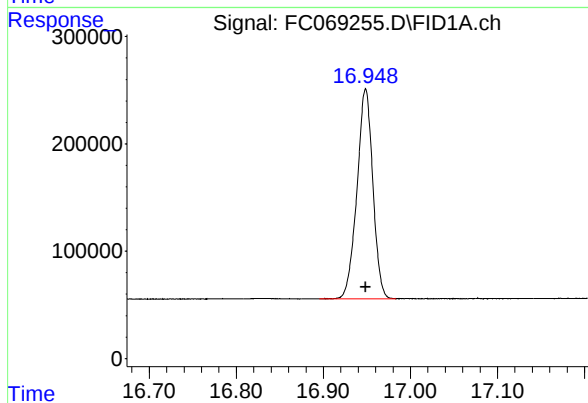
#14 n-Tetracosane (C24)

R.T.: 14.975 min
Delta R.T.: 0.001 min
Response: 2640588
Conc: 19.14 ug/ml



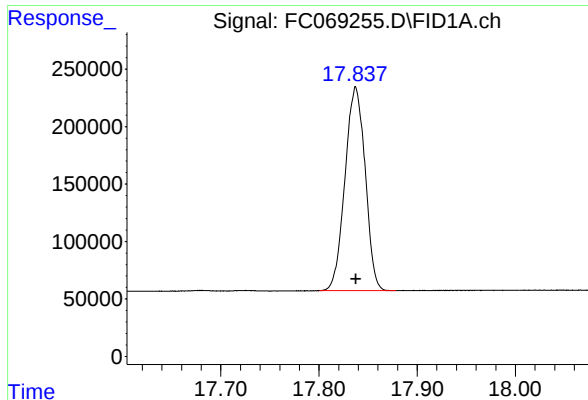
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 2530040
Conc: 19.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 2474266
Conc: 20.06 ug/ml



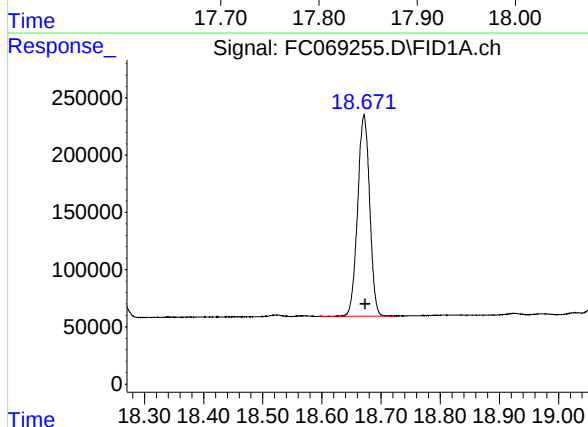
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: 0.000 min
Response: 2533050
Conc: 21.31 ug/ml

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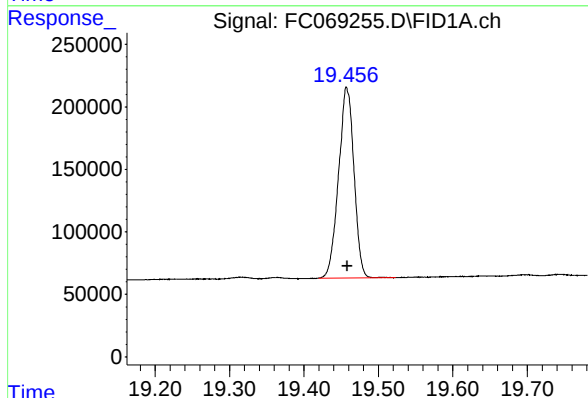
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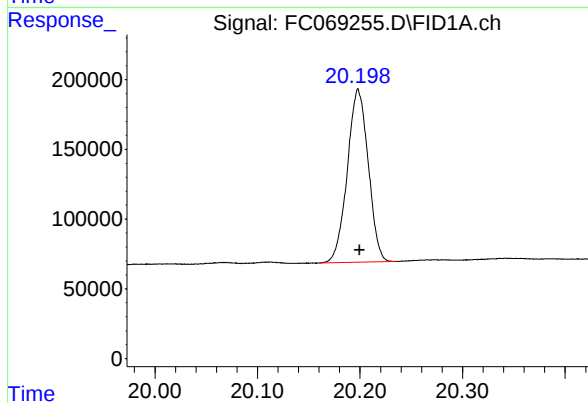
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.002 min
Response: 2482052
Conc: 22.70 ug/ml



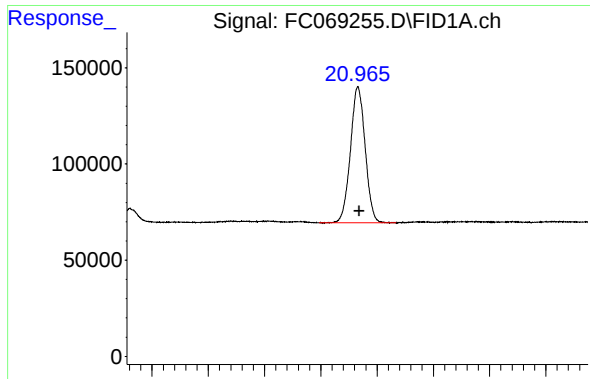
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: 0.000 min
Response: 2195735
Conc: 22.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.001 min
Response: 1756991
Conc: 21.32 ug/ml



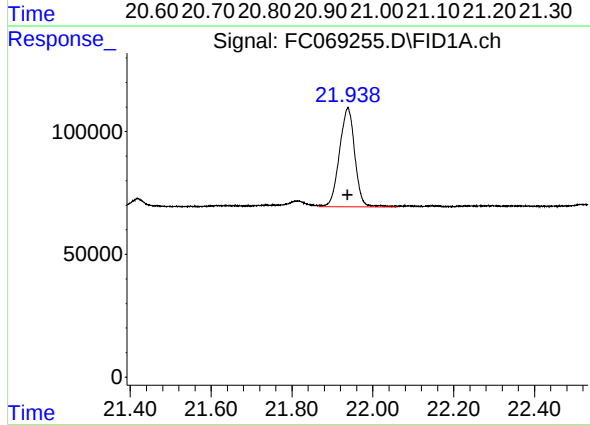
#21 n-Octatriacontane (C38)

R.T.: 20.966 min
Delta R.T.: -0.003 min
Response: 1286148
Conc: 17.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 1065158
Conc: 15.04 ug/ml m