

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052725AL\
 Data File : FC069014.D
 Signal(s) : FID1A.ch
 Acq On : 27 May 2025 19:04
 Operator : YP/AJ
 Sample : Q2127-07MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

EPH-1-FMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/28/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e

Quant Time: May 28 10:02:23 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)	11.708	4753970	38.542 ug/ml
Spiked Amount 50.000		Recovery =	77.08%
12) S 1-chlorooctadecane (S...	13.140	3897430	43.443 ug/ml
Spiked Amount 50.000		Recovery =	86.89%
Target Compounds			
1) T n-Nonane (C9)	3.438	1873948	17.658 ug/ml
2) T n-Decane (C10)	4.515	2147317	20.275 ug/ml
3) T A~Naphthalene (C11.7)	6.111	3387091	29.291 ug/ml
4) T n-Dodecane (C12)	6.539	2369625	22.542 ug/ml
5) T A~2-methylnaphthalene...	7.169	3175474	28.010 ug/ml
6) T n-Tetradecane (C14)	8.337	2651330	25.866 ug/ml
7) T n-Hexadecane (C16)	9.939	2998811	29.554 ug/ml
8) T n-Octadecane (C18)	11.383	2895674	28.973 ug/mlm
10) T n-Eicosane (C20)	12.693	3425548	35.171 ug/ml
11) T n-Heneicosane (C21)	13.305	2876437	29.884 ug/mlm
13) T n-Docosane (C22)	13.891	2986603	31.349 ug/ml
14) T n-Tetracosane (C24)	14.988	6492506	68.957 ug/ml
15) T n-Hexacosane (C26)	16.019	2810836	30.276 ug/ml
16) T n-Octacosane (C28)	16.970	3088975	33.232 ug/ml
17) T n-Tricontane (C30)	17.859	2847276	29.427 ug/ml
18) T n-Dotriacontane (C32)	18.692	2799107	28.246 ug/ml
19) T n-Tetratriacontane (C34)	19.478	2880160	29.884 ug/ml
20) T n-Hexatriacontane (C36)	20.218	2769177	29.171 ug/ml
21) T n-Octatriacontane (C38)	20.991	2776028	30.427 ug/ml
22) T n-Tetracontane (C40)	21.964	2698803	30.587 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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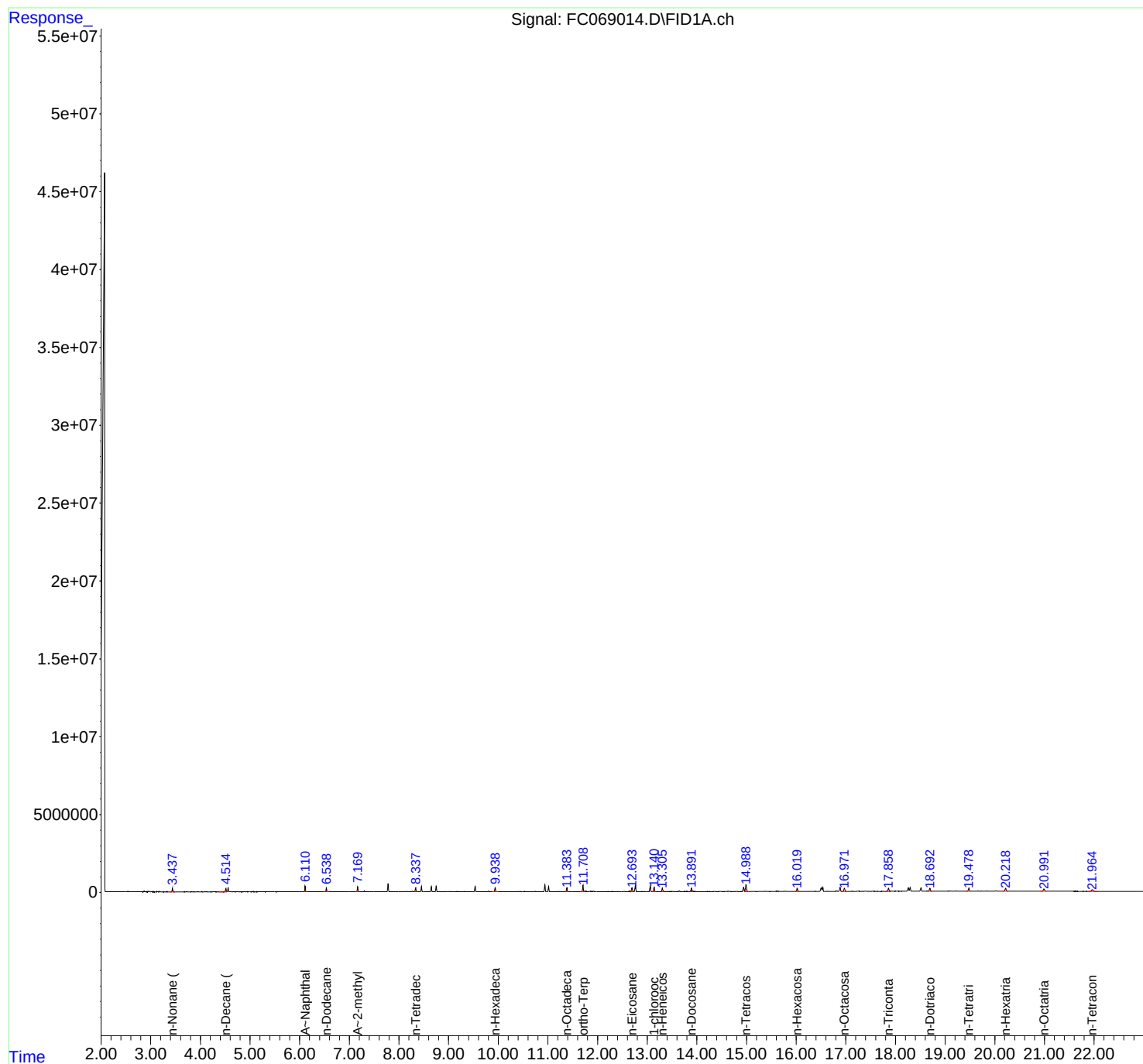
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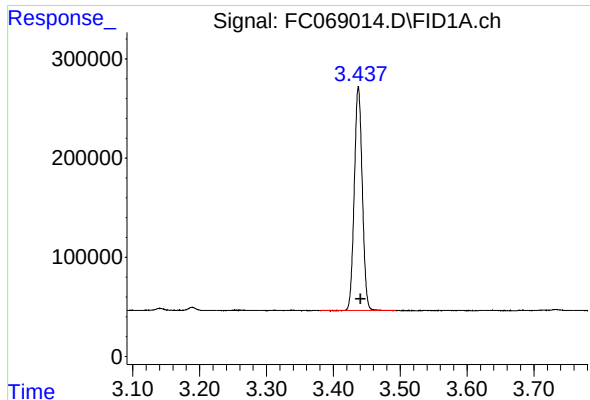
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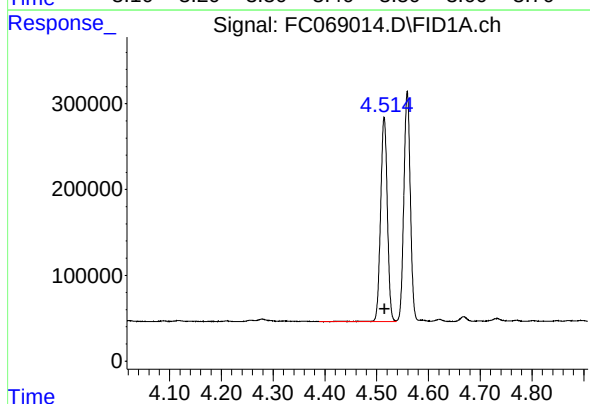
#1 n-Nonane (C9)

R.T.: 3.438 min
Delta R.T.: -0.003 min
Response: 1873948
Conc: 17.66 ug/ml

Instrument :
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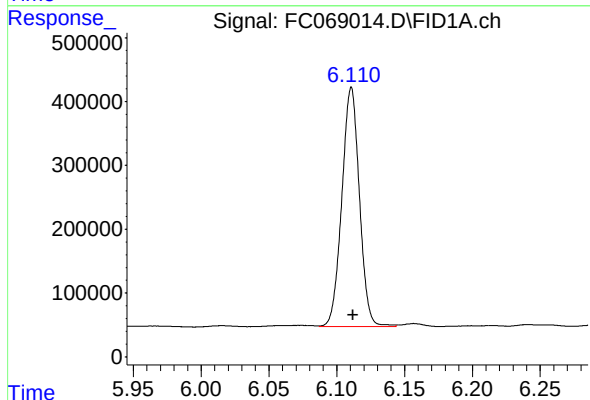
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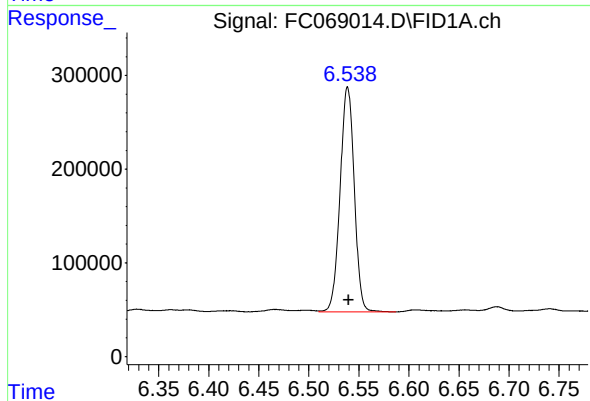
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 2147317
Conc: 20.28 ug/ml



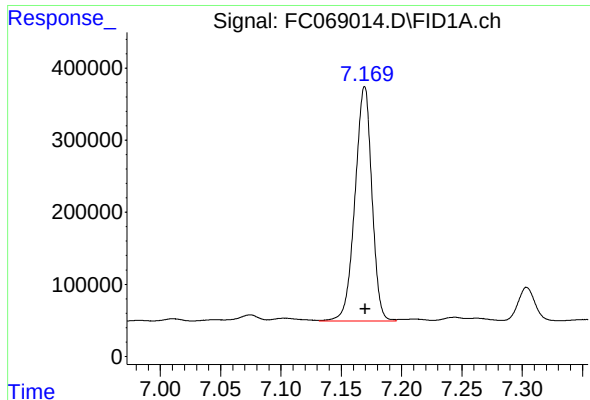
#3 A~Naphthalene (C11.7)

R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 3387091
Conc: 29.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min
Delta R.T.: -0.001 min
Response: 2369625
Conc: 22.54 ug/ml



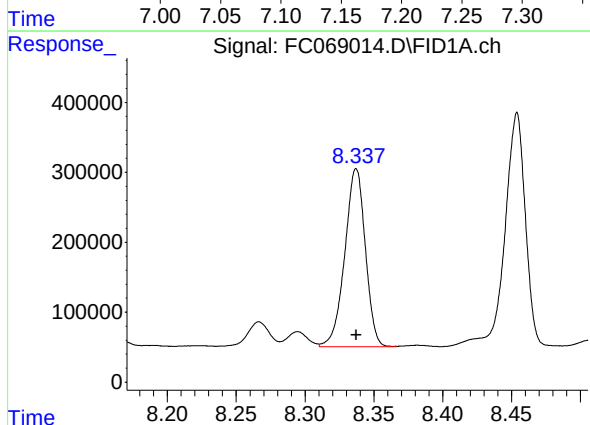
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.169 min
Delta R.T.: 0.000 min
Response: 3175474
Conc: 28.01 ug/ml

Instrument :
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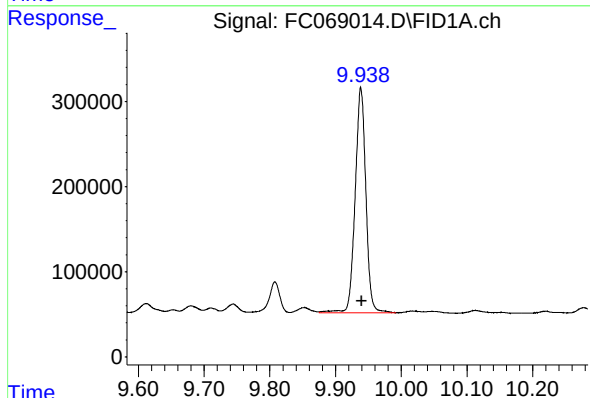
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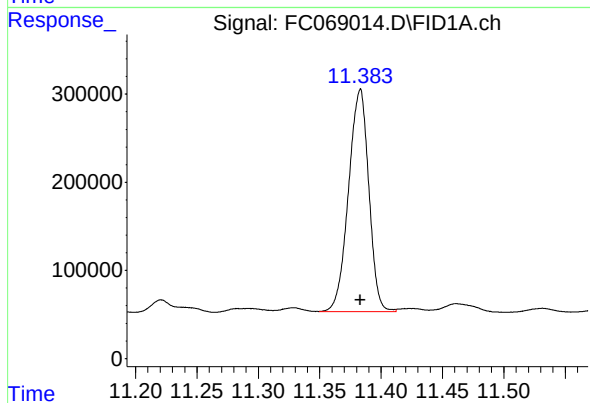
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 2651330
Conc: 25.87 ug/ml



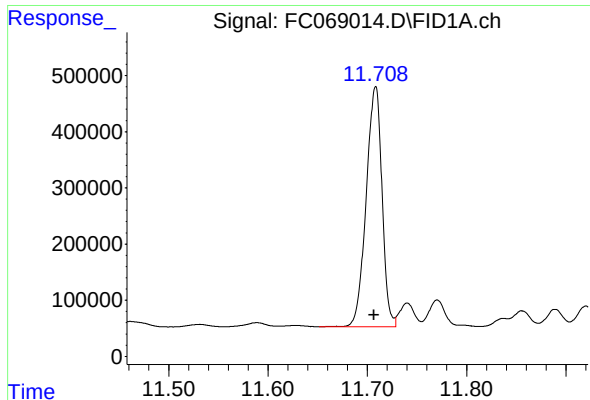
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: -0.001 min
Response: 2998811
Conc: 29.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: 0.000 min
Response: 2895674
Conc: 28.97 ug/ml m



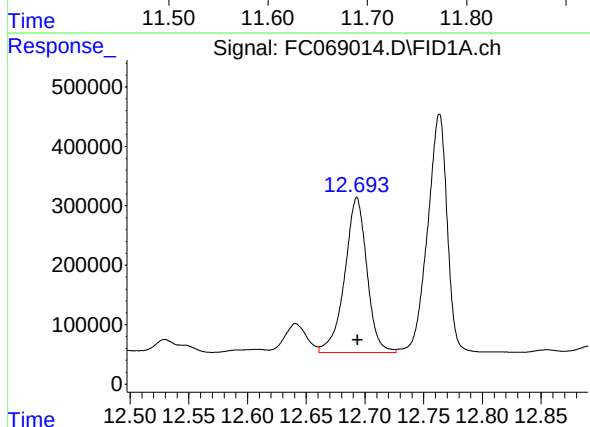
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: 0.001 min
Response: 4753970
Conc: 38.54 ug/ml

Instrument :
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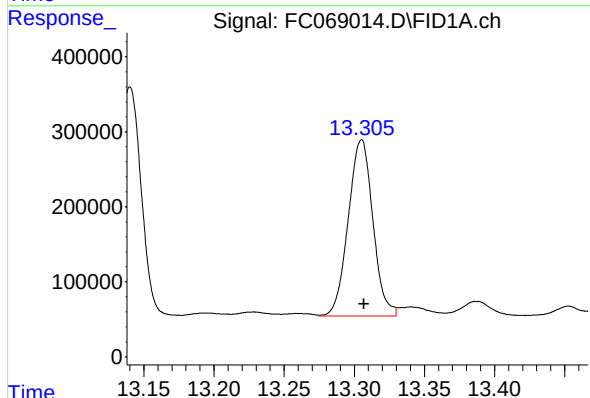
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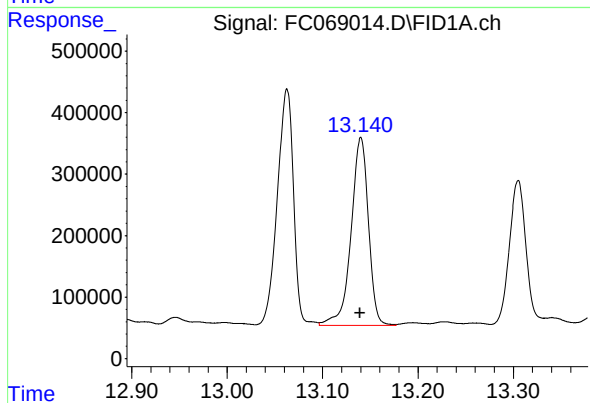
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: 0.000 min
Response: 3425548
Conc: 35.17 ug/ml



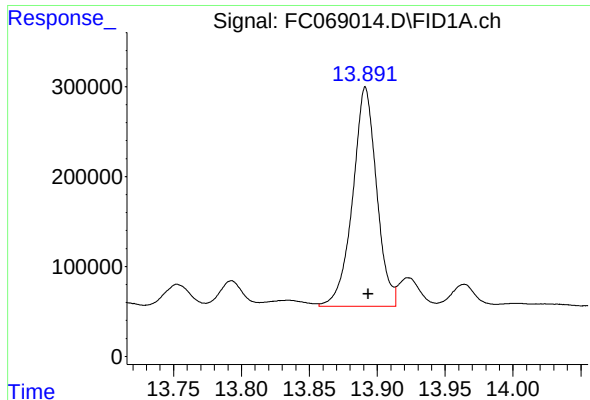
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.002 min
Response: 2876437
Conc: 29.88 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: 0.000 min
Response: 3897430
Conc: 43.44 ug/ml



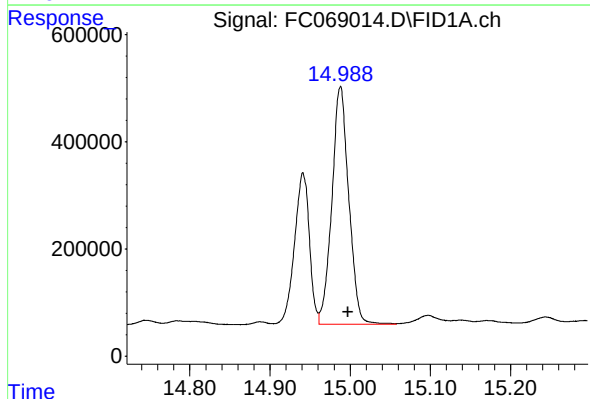
#13 n-Docosane (C22)

R.T.: 13.891 min
Delta R.T.: -0.002 min
Response: 2986603
Conc: 31.35 ug/ml

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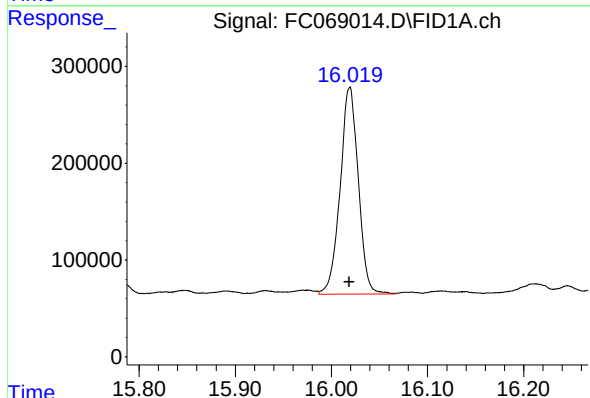
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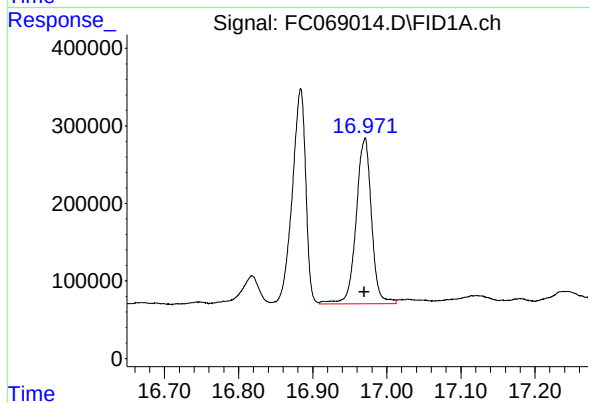
#14 n-Tetracosane (C24)

R.T.: 14.988 min
Delta R.T.: -0.009 min
Response: 6492506
Conc: 68.96 ug/ml



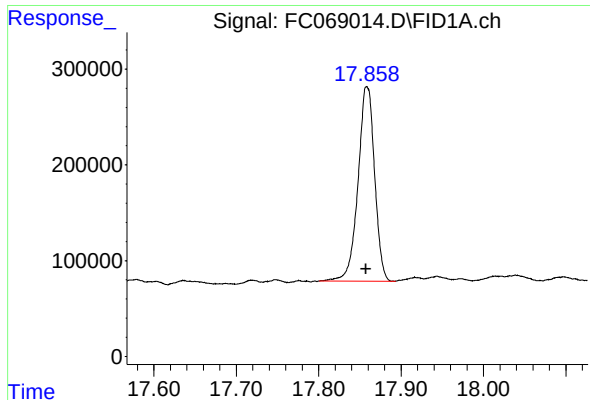
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: 0.000 min
Response: 2810836
Conc: 30.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: 0.000 min
Response: 3088975
Conc: 33.23 ug/ml



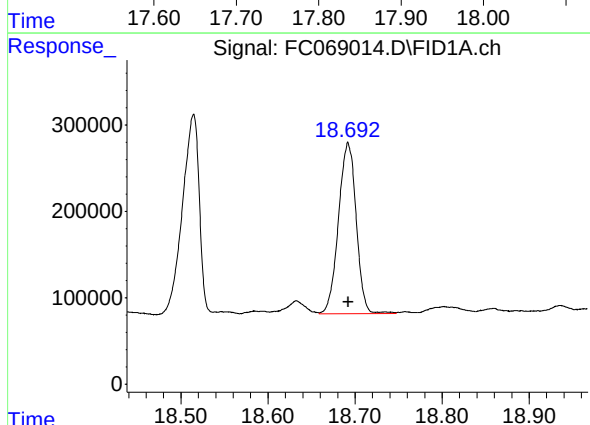
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: 0.000 min
Response: 2847276
Conc: 29.43 ug/ml

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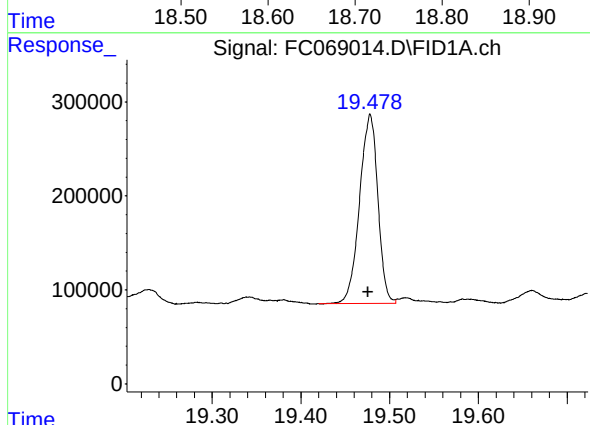
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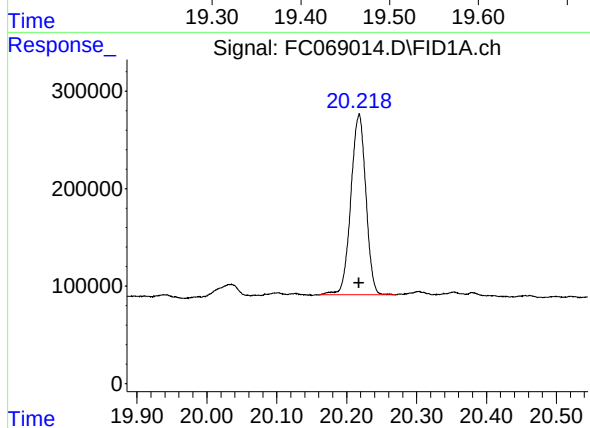
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: 0.000 min
Response: 2799107
Conc: 28.25 ug/ml



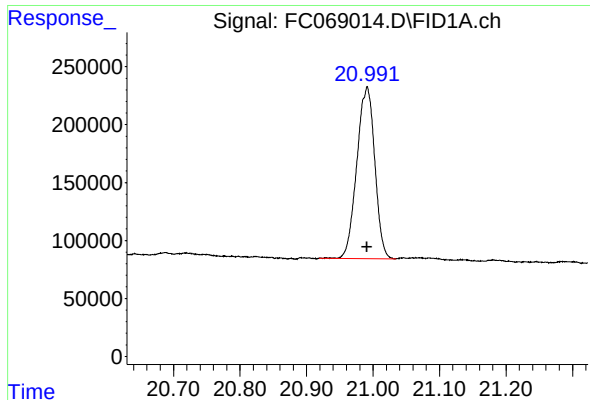
#19 n-Tetratriacontane (C34)

R.T.: 19.478 min
Delta R.T.: 0.002 min
Response: 2880160
Conc: 29.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 2769177
Conc: 29.17 ug/ml



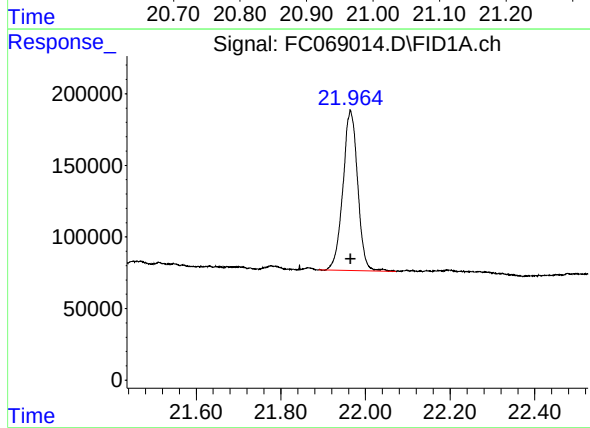
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: 0.000 min
Response: 2776028
Conc: 30.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: 0.000 min
Response: 2698803
Conc: 30.59 ug/ml