

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052725AL\
 Data File : FC069015.D
 Signal(s) : FID1A.ch
 Acq On : 27 May 2025 19:42
 Operator : YP/AJ
 Sample : Q2127-07MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

EPH-1-FMSD

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 10:03:42 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	4677866	37.925 ug/ml
Spiked Amount 50.000		Recovery =	75.85%
12) S 1-chlorooctadecane (S...	13.141	3847532	42.887 ug/ml
Spiked Amount 50.000		Recovery =	85.77%
Target Compounds			
1) T n-Nonane (C9)	3.437	1833311	17.275 ug/ml
2) T n-Decane (C10)	4.515	2099630	19.825 ug/ml
3) T A~Naphthalene (C11.7)	6.111	3331665	28.812 ug/ml
4) T n-Dodecane (C12)	6.539	2315760	22.029 ug/ml
5) T A~2-methylnaphthalene...	7.170	3122767	27.545 ug/ml
6) T n-Tetradecane (C14)	8.338	2593678	25.303 ug/ml
7) T n-Hexadecane (C16)	9.939	2935575	28.931 ug/ml
8) T n-Octadecane (C18)	11.383	2825144	28.267 ug/mlm
10) T n-Eicosane (C20)	12.694	3377920	34.682 ug/ml
11) T n-Heneicosane (C21)	13.305	2866373	29.780 ug/mlm
13) T n-Docosane (C22)	13.893	2958724	31.057 ug/ml
14) T n-Tetracosane (C24)	14.988	6485778	68.886 ug/ml
15) T n-Hexacosane (C26)	16.020	2797957	30.137 ug/ml
16) T n-Octacosane (C28)	16.970	3186294	34.279 ug/ml
17) T n-Tricontane (C30)	17.859	2860025	29.559 ug/ml
18) T n-Dotriacontane (C32)	18.692	2779774	28.051 ug/ml
19) T n-Tetratriacontane (C34)	19.478	2916897	30.265 ug/ml
20) T n-Hexatriacontane (C36)	20.218	2857540	30.102 ug/ml
21) T n-Octatriacontane (C38)	20.992	2976266	32.622 ug/ml
22) T n-Tetracontane (C40)	21.969	2735818	31.006 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : Q2127-07MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

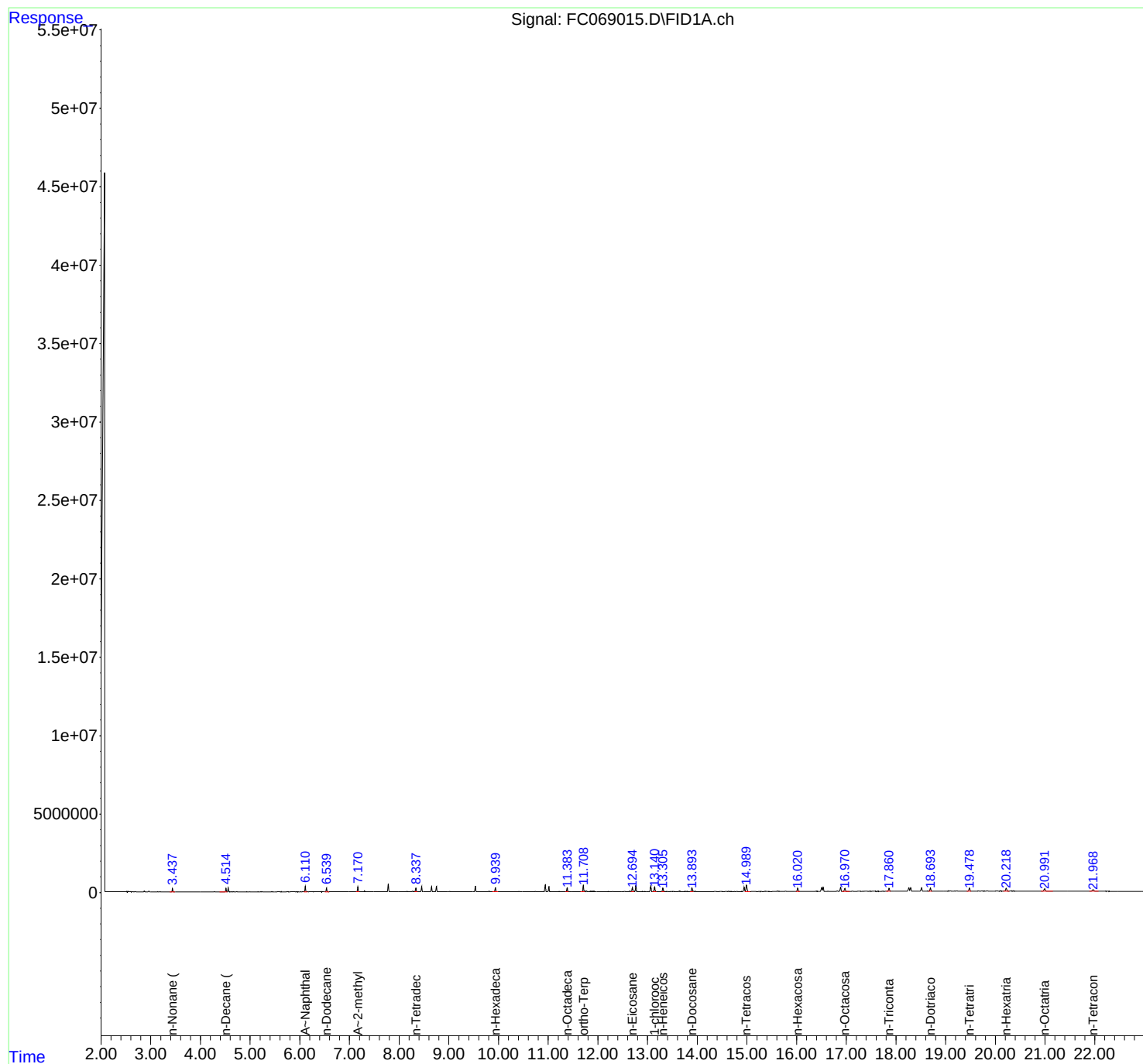
Instrument :
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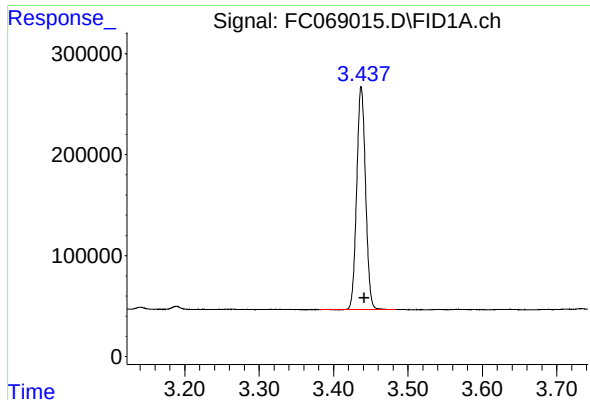
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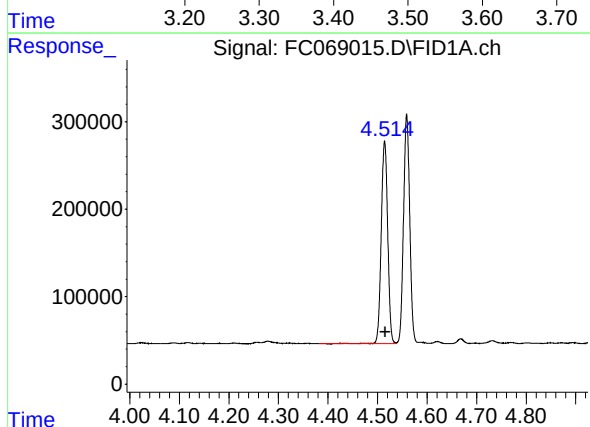
#1 n-Nonane (C9)

R.T.: 3.437 min
Delta R.T.: -0.004 min
Response: 1833311
Conc: 17.28 ug/ml

Instrument :
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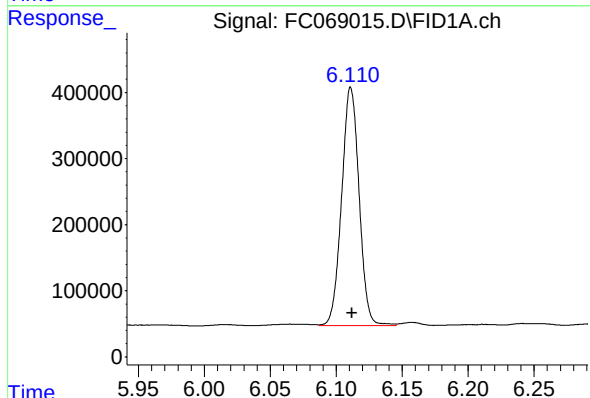
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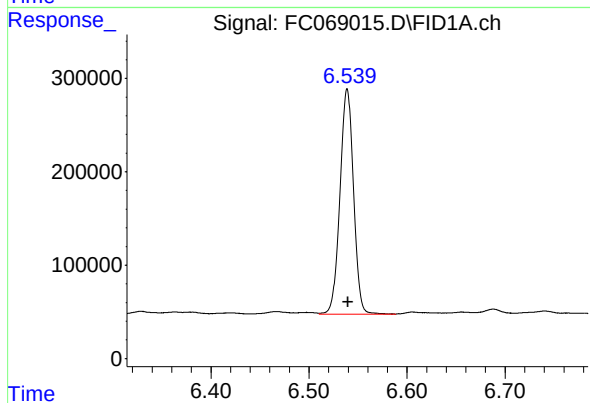
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 2099630
Conc: 19.83 ug/ml



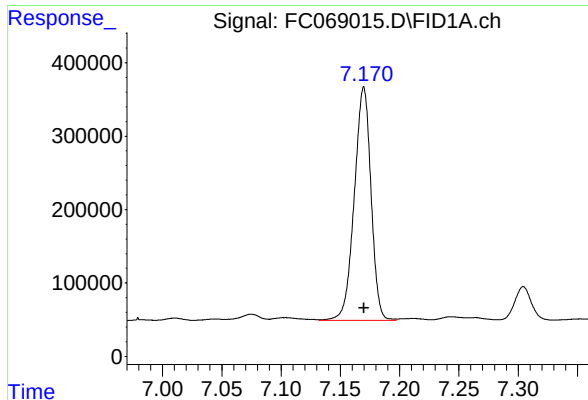
#3 A~Naphthalene (C11.7)

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 3331665
Conc: 28.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 2315760
Conc: 22.03 ug/ml



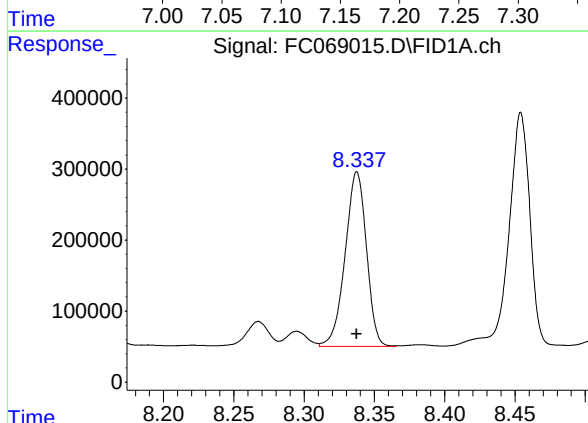
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.170 min
Delta R.T.: 0.000 min
Response: 3122767
Conc: 27.54 ug/ml

Instrument :
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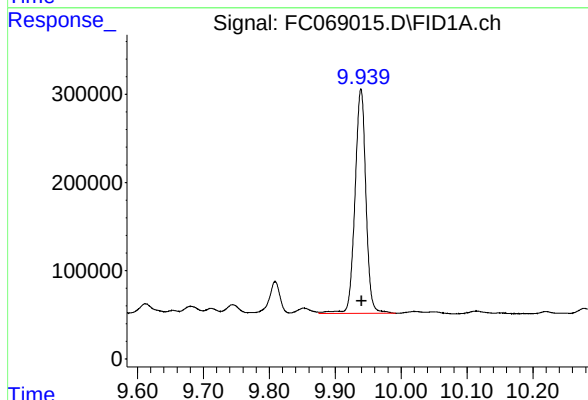
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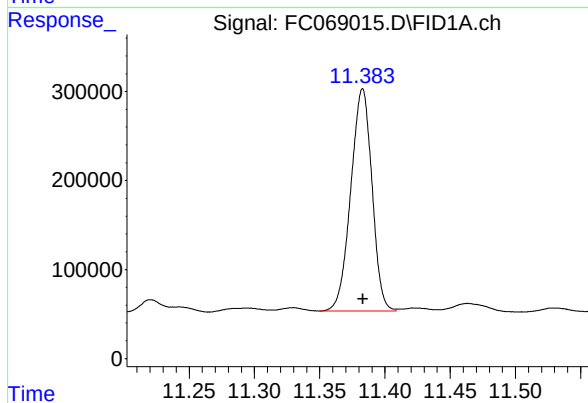
#6 n-Tetradecane (C14)

R.T.: 8.338 min
Delta R.T.: 0.000 min
Response: 2593678
Conc: 25.30 ug/ml



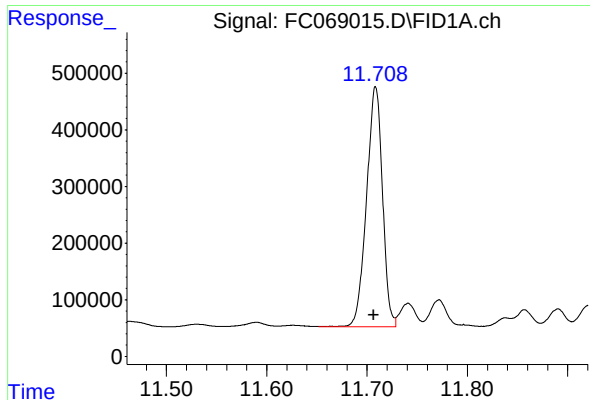
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: -0.001 min
Response: 2935575
Conc: 28.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: 0.000 min
Response: 2825144
Conc: 28.27 ug/ml m



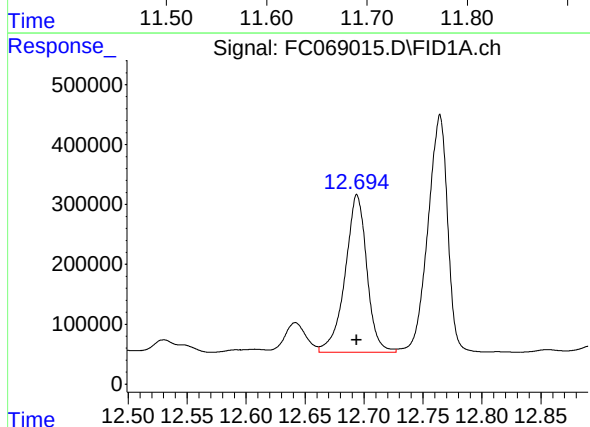
#9 ortho-Terphenyl (SURR)

R.T.: 11.708 min
Delta R.T.: 0.002 min
Response: 4677866
Conc: 37.93 ug/ml

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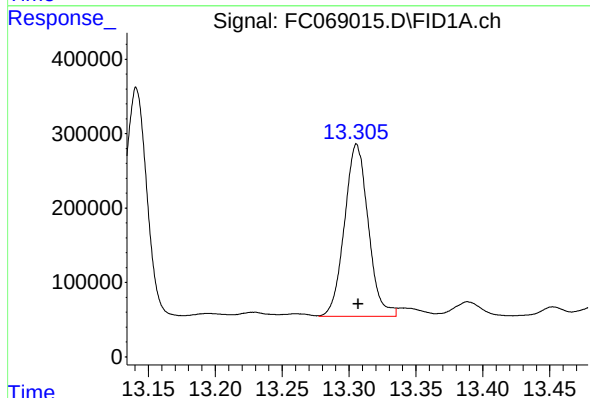
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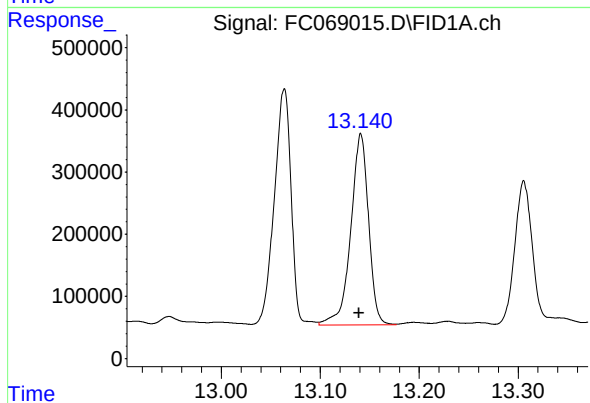
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: 0.000 min
Response: 3377920
Conc: 34.68 ug/ml



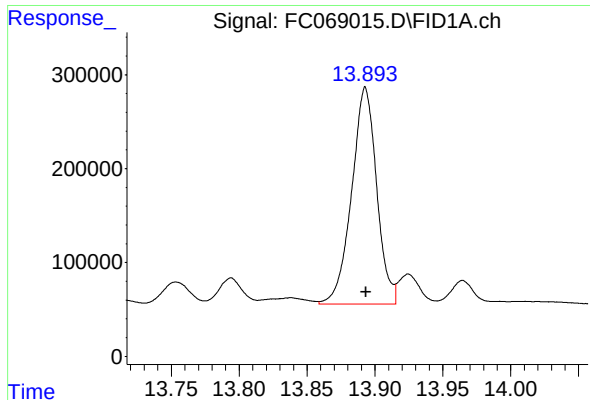
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.002 min
Response: 2866373
Conc: 29.78 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.141 min
Delta R.T.: 0.002 min
Response: 3847532
Conc: 42.89 ug/ml



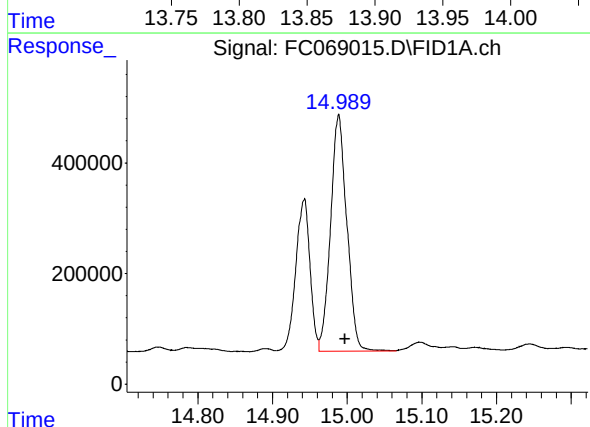
#13 n-Docosane (C22)

R.T.: 13.893 min
Delta R.T.: 0.000 min
Response: 2958724
Conc: 31.06 ug/ml

Instrument :
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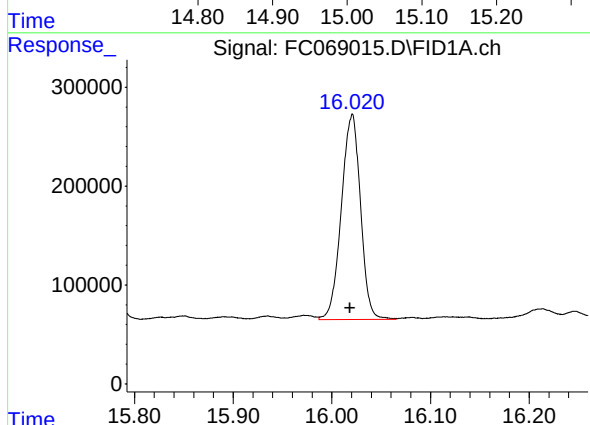
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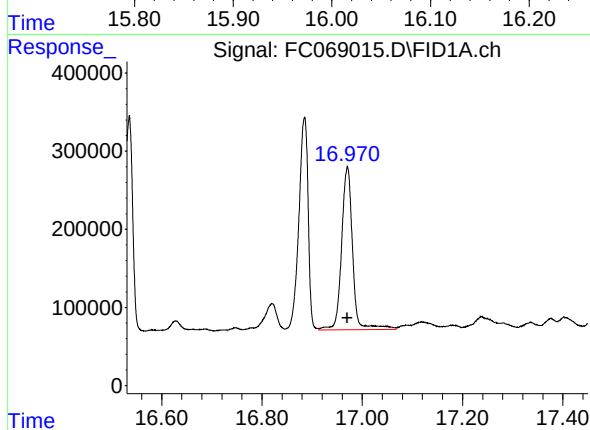
#14 n-Tetracosane (C24)

R.T.: 14.988 min
Delta R.T.: -0.009 min
Response: 6485778
Conc: 68.89 ug/ml



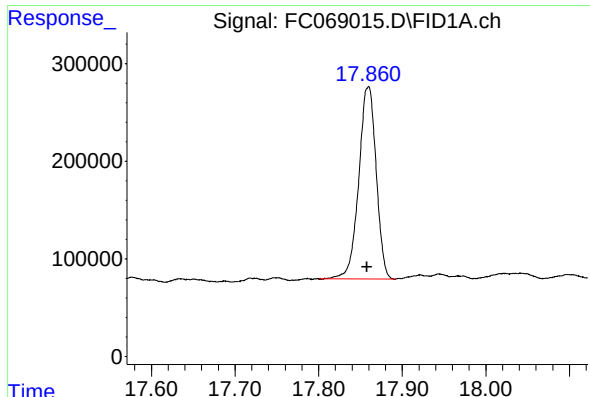
#15 n-Hexacosane (C26)

R.T.: 16.020 min
Delta R.T.: 0.002 min
Response: 2797957
Conc: 30.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: 0.000 min
Response: 3186294
Conc: 34.28 ug/ml



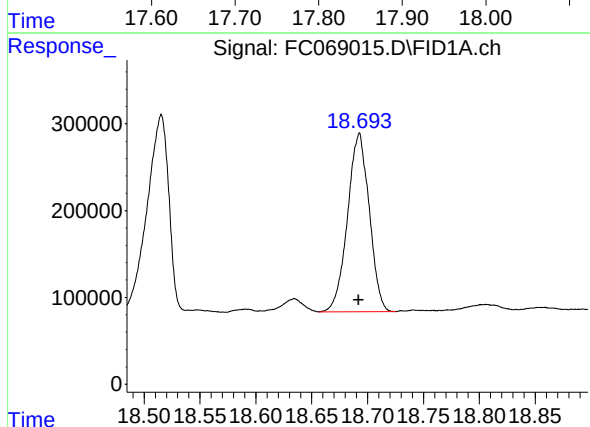
#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: 0.001 min
Response: 2860025
Conc: 29.56 ug/ml

Instrument :
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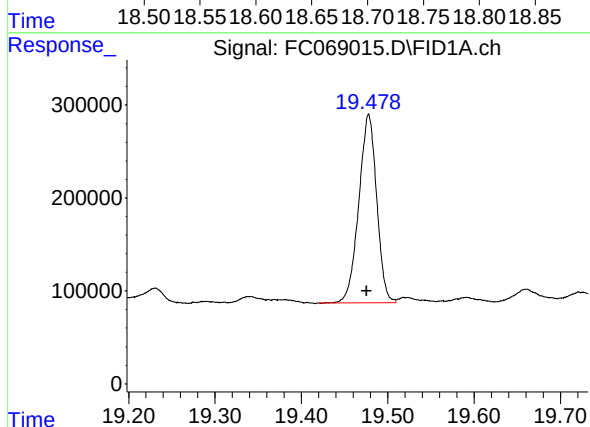
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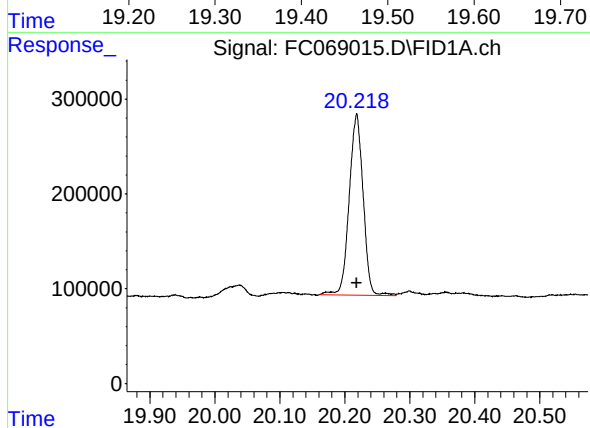
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: 0.000 min
Response: 2779774
Conc: 28.05 ug/ml



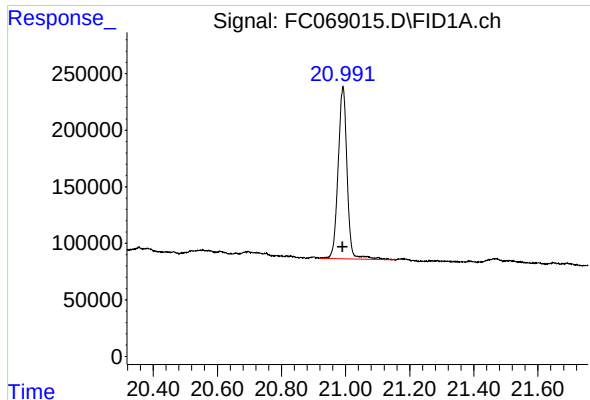
#19 n-Tetratriacontane (C34)

R.T.: 19.478 min
Delta R.T.: 0.002 min
Response: 2916897
Conc: 30.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 2857540
Conc: 30.10 ug/ml



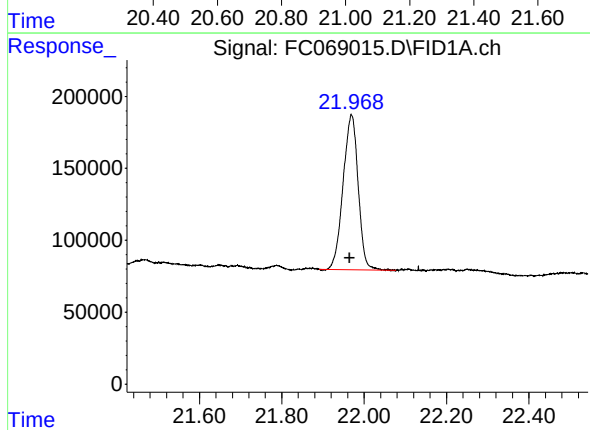
#21 n-Octatriacontane (C38)

R.T.: 20.992 min
Delta R.T.: 0.000 min
Response: 2976266
Conc: 32.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: 0.004 min
Response: 2735818
Conc: 31.01 ug/ml