

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072525AL\
 Data File : FC069540.D
 Signal(s) : FID1A.ch
 Acq On : 25 Jul 2025 20:11
 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 07/28/2025
 Supervised By :mohammad ahmed 07/29/2025

Integration File: autoint1.e
 Quant Time: Jul 25 22:59:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 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)	11.675	2653699	17.881 ug/ml
Spiked Amount 50.000		Recovery =	35.76%
12) S 1-chlorooctadecane (S...	13.111	2020721	17.881 ug/ml
Spiked Amount 50.000		Recovery =	35.76%
Target Compounds			
1) T n-Nonane (C9)	3.404	2629795	19.325 ug/ml
2) T n-Decane (C10)	4.476	2713400	19.495 ug/ml
3) T A~Naphthalene (C11.7)	6.073	2862073	18.940 ug/ml
4) T n-Dodecane (C12)	6.502	2749528	19.399 ug/ml
5) T A~2-methylnaphthalene...	7.133	2726884	18.665 ug/ml
6) T n-Tetradecane (C14)	8.302	2670407	18.781 ug/ml
7) T n-Hexadecane (C16)	9.907	2667395	18.275 ug/ml
8) T n-Octadecane (C18)	11.352	2587342	17.987 ug/ml
10) T n-Eicosane (C20)	12.664	2391205	17.812 ug/ml
11) T n-Heneicosane (C21)	13.277	2308093	17.769 ug/ml
13) T n-Docosane (C22)	13.864	2268274	17.859 ug/ml
14) T n-Tetracosane (C24)	14.970	2214580	18.144 ug/ml
15) T n-Hexacosane (C26)	15.992	2126718	18.305 ug/ml
16) T n-Octacosane (C28)	16.943	2086751	18.848 ug/ml
17) T n-Tricontane (C30)	17.833	2178834	19.898 ug/ml
18) T n-Dotriacontane (C32)	18.668	2195196	21.154 ug/mlm
19) T n-Tetratriacontane (C34)	19.452	2031151	21.556 ug/ml
20) T n-Hexatriacontane (C36)	20.193	1790738	21.680 ug/ml
21) T n-Octatriacontane (C38)	20.962	1629337	21.452 ug/mlm
22) T n-Tetracontane (C40)	21.926	1552273	21.192 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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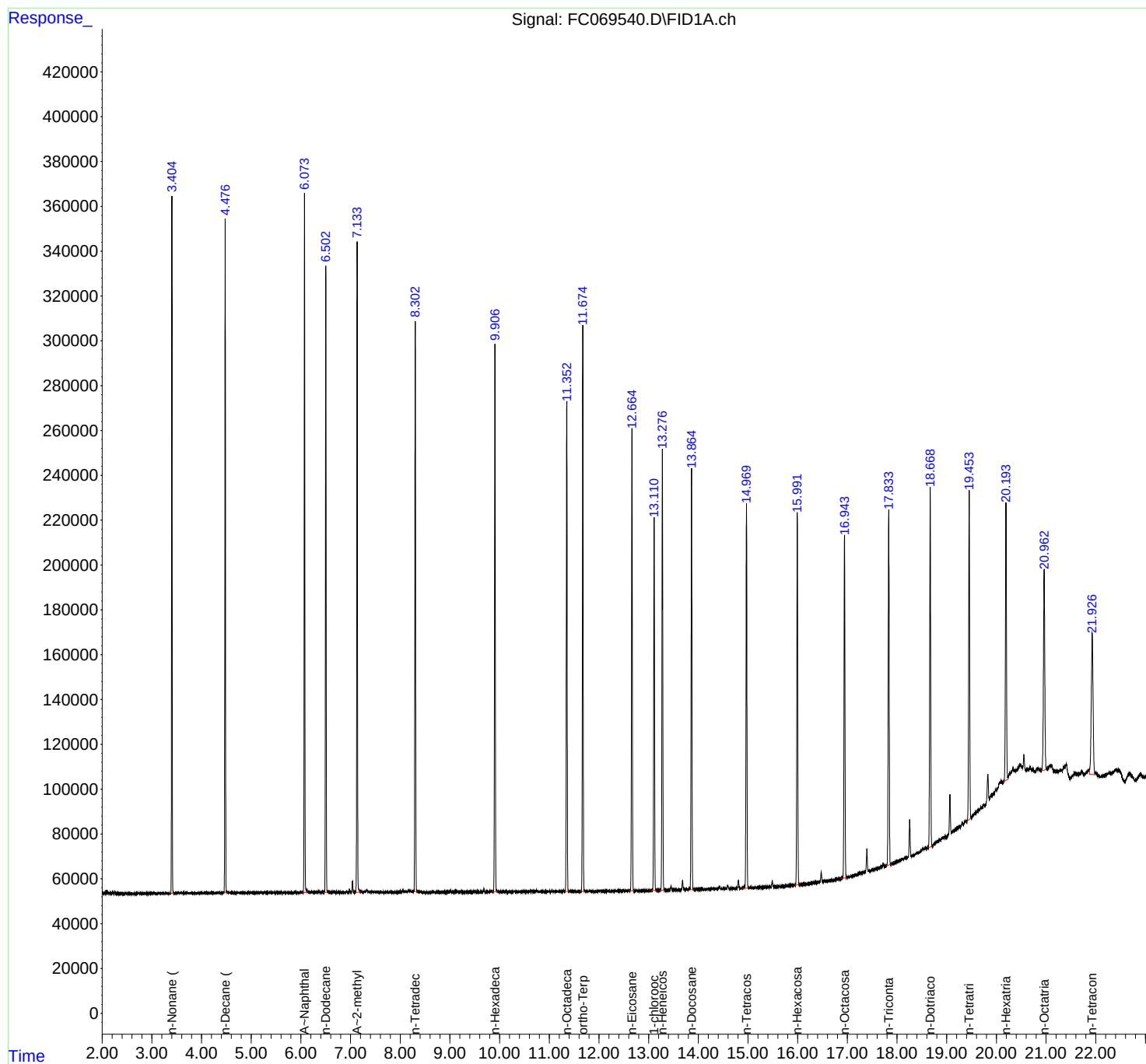
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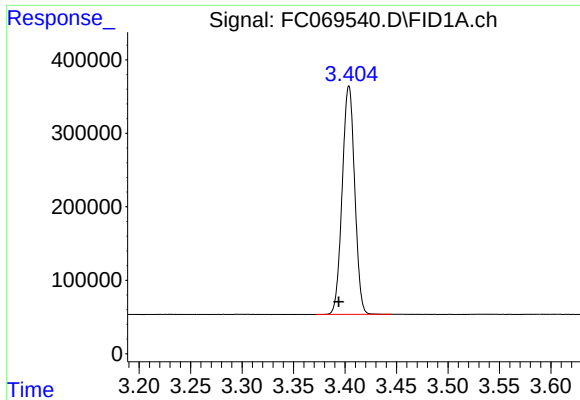
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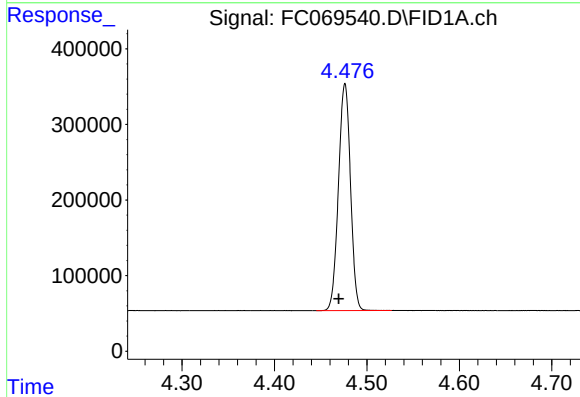
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: 0.010 min
Response: 2629795
Conc: 19.33 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

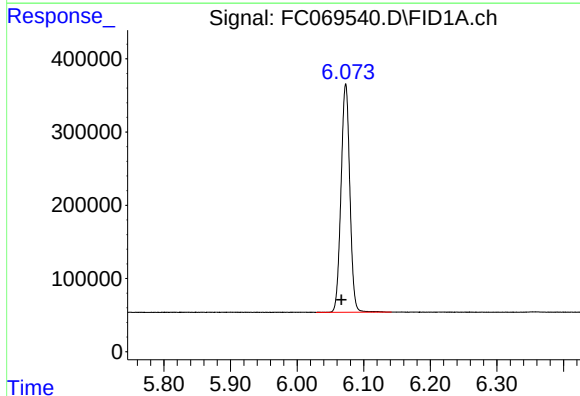
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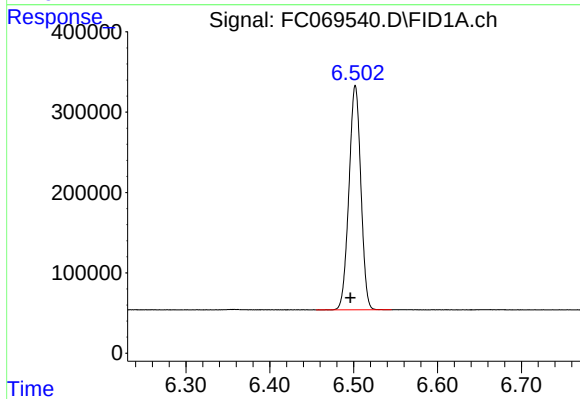
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: 0.007 min
Response: 2713400
Conc: 19.50 ug/ml



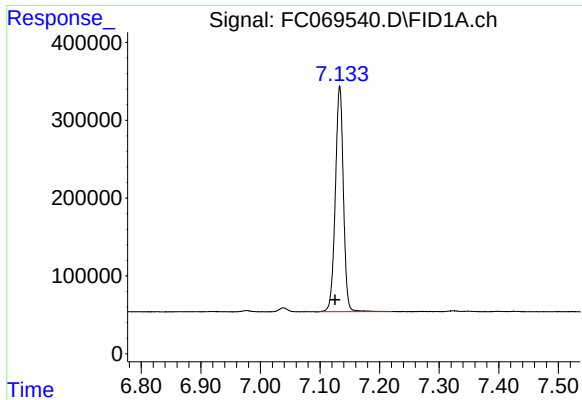
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: 0.007 min
Response: 2862073
Conc: 18.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: 0.006 min
Response: 2749528
Conc: 19.40 ug/ml



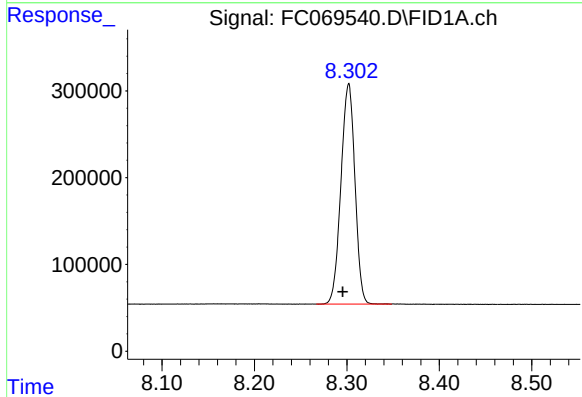
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: 0.008 min
Response: 2726884
Conc: 18.67 ug/ml

Instrument :
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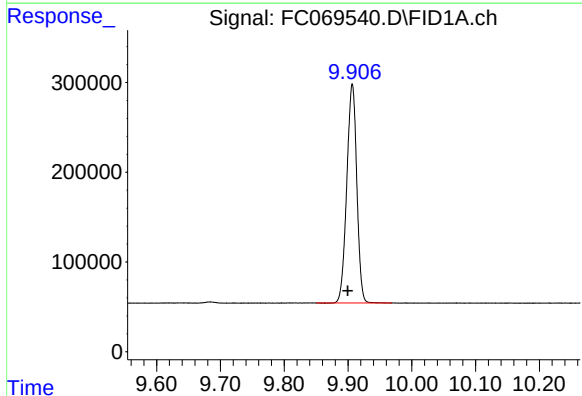
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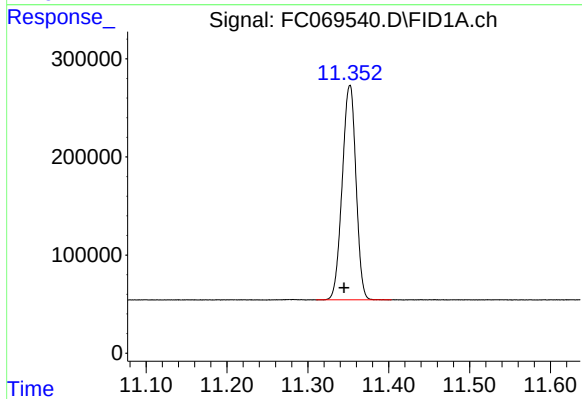
#6 n-Tetradecane (C14)

R.T.: 8.302 min
Delta R.T.: 0.006 min
Response: 2670407
Conc: 18.78 ug/ml



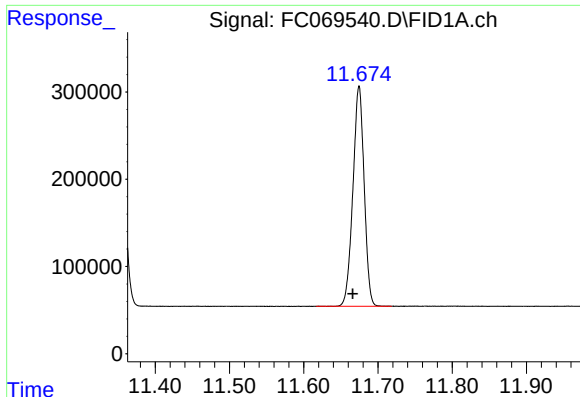
#7 n-Hexadecane (C16)

R.T.: 9.907 min
Delta R.T.: 0.007 min
Response: 2667395
Conc: 18.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.352 min
Delta R.T.: 0.007 min
Response: 2587342
Conc: 17.99 ug/ml



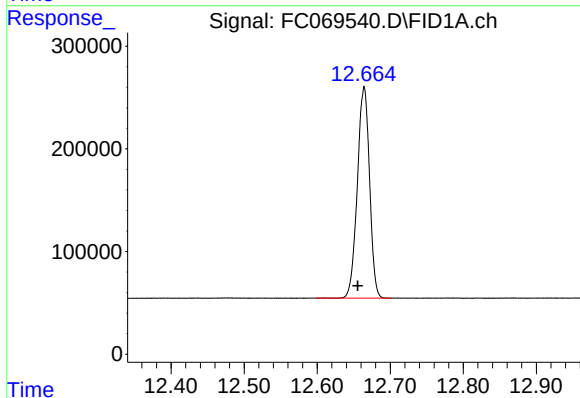
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: 0.009 min
Response: 2653699
Conc: 17.88 ug/ml

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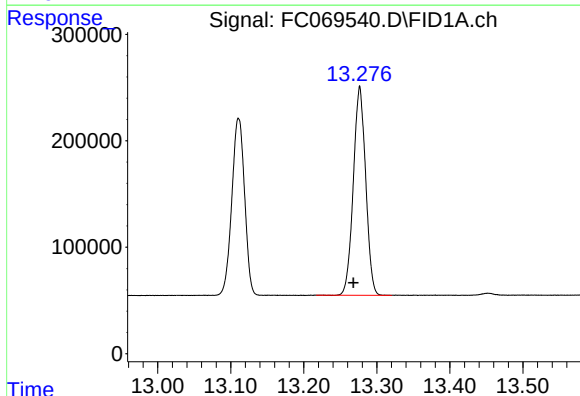
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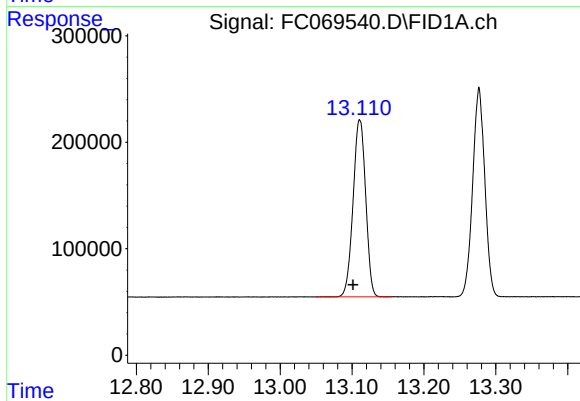
#10 n-Eicosane (C20)

R.T.: 12.664 min
Delta R.T.: 0.008 min
Response: 2391205
Conc: 17.81 ug/ml



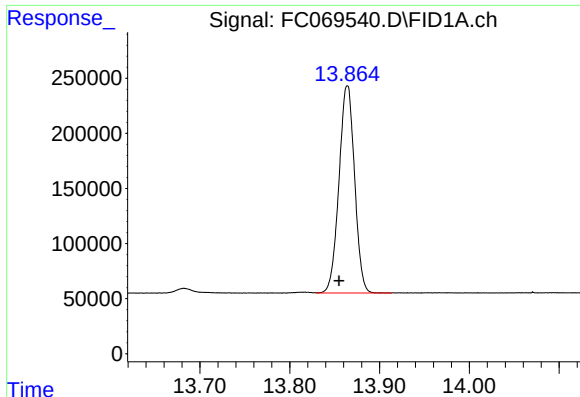
#11 n-Heneicosane (C21)

R.T.: 13.277 min
Delta R.T.: 0.008 min
Response: 2308093
Conc: 17.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.111 min
Delta R.T.: 0.009 min
Response: 2020721
Conc: 17.88 ug/ml



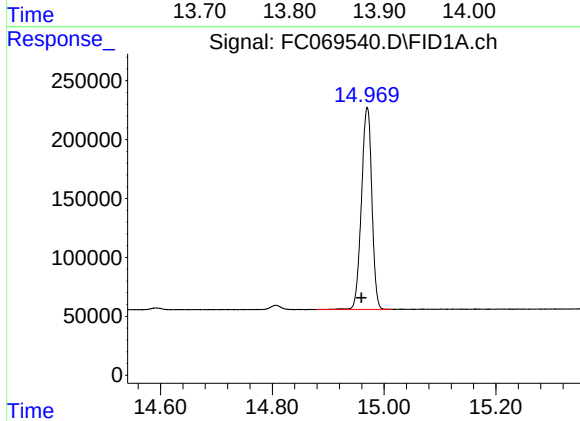
#13 n-Docosane (C22)

R.T.: 13.864 min
Delta R.T.: 0.009 min
Response: 2268274
Conc: 17.86 ug/ml

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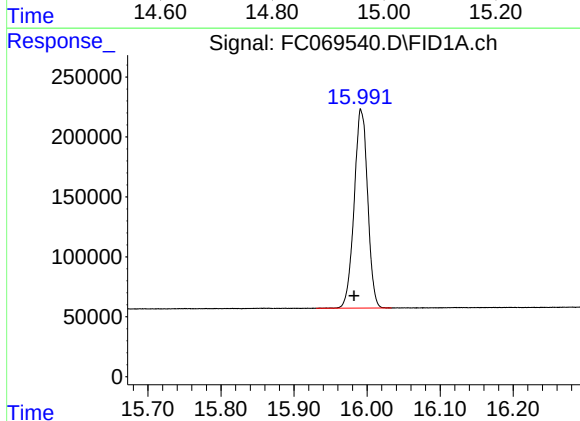
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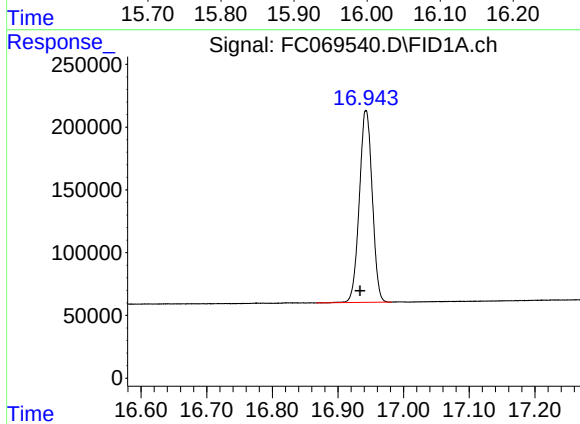
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: 0.010 min
Response: 2214580
Conc: 18.14 ug/ml



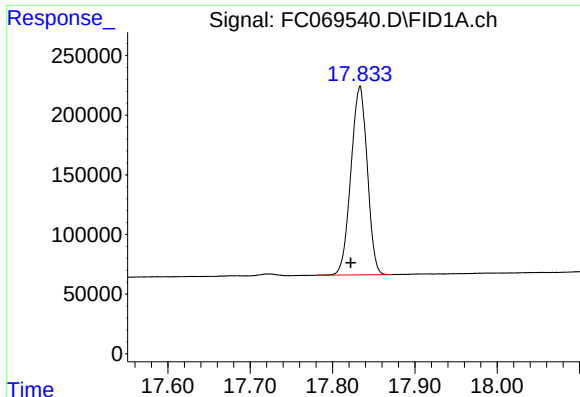
#15 n-Hexacosane (C26)

R.T.: 15.992 min
Delta R.T.: 0.010 min
Response: 2126718
Conc: 18.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.943 min
Delta R.T.: 0.009 min
Response: 2086751
Conc: 18.85 ug/ml



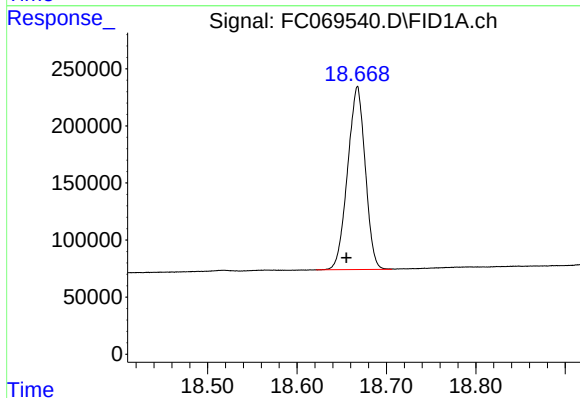
#17 n-Tricontane (C30)

R.T.: 17.833 min
Delta R.T.: 0.011 min
Response: 2178834
Conc: 19.90 ug/ml

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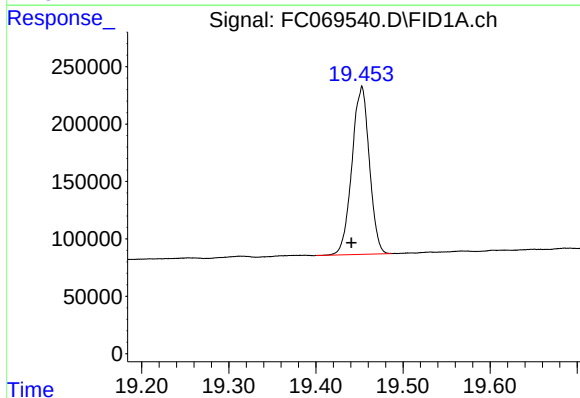
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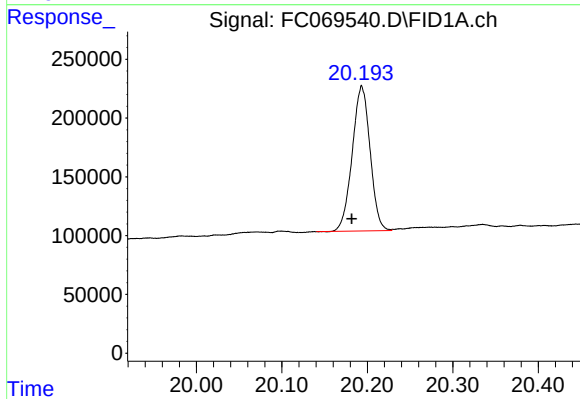
#18 n-Dotriacontane (C32)

R.T.: 18.668 min
Delta R.T.: 0.012 min
Response: 2195196
Conc: 21.15 ug/ml m



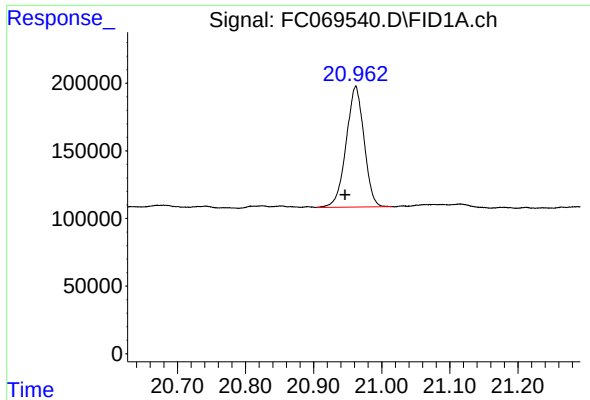
#19 n-Tetratriacontane (C34)

R.T.: 19.452 min
Delta R.T.: 0.012 min
Response: 2031151
Conc: 21.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.193 min
Delta R.T.: 0.012 min
Response: 1790738
Conc: 21.68 ug/ml



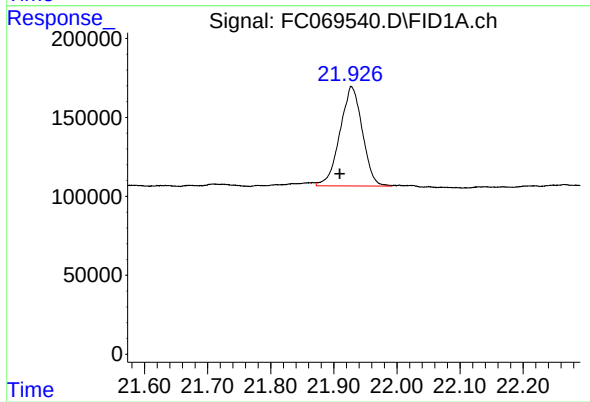
#21 n-Octatriacontane (C38)

R.T.: 20.962 min
Delta R.T.: 0.016 min
Response: 1629337
Conc: 21.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.926 min
Delta R.T.: 0.017 min
Response: 1552273
Conc: 21.19 ug/ml m