

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC103025AL\
 Data File : FC070082.D
 Signal(s) : FID1A.ch
 Acq On : 30 Oct 2025 10:21
 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 :Rahul Chavli 10/31/2025
 Supervised By :Yogesh Patel 10/31/2025

Integration File: autoint1.e
 Quant Time: Oct 31 05:01:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.643	3001095	17.090 ug/ml
Spiked Amount 50.000		Recovery =	34.18%
12) S 1-chlorooctadecane (S...	13.078	2329756	17.163 ug/ml
Spiked Amount 50.000		Recovery =	34.33%
Target Compounds			
1) T n-Nonane (C9)	3.382	2332324	16.985 ug/ml
2) T n-Decane (C10)	4.453	2517117	17.509 ug/ml
3) T A~Naphthalene (C11.7)	6.047	2736469	16.932 ug/ml
4) T n-Dodecane (C12)	6.475	2670610	17.424 ug/ml
5) T A~2-methylnaphthalene...	7.105	2677617	16.782 ug/ml
6) T n-Tetradecane (C14)	8.272	2749559	17.288 ug/ml
7) T n-Hexadecane (C16)	9.876	2898843	17.202 ug/ml
8) T n-Octadecane (C18)	11.320	2938314	17.271 ug/ml
10) T n-Eicosane (C20)	12.631	2781004	17.334 ug/ml
11) T n-Heneicosane (C21)	13.244	2693439	17.346 ug/ml
13) T n-Docosane (C22)	13.832	2663990	17.310 ug/ml
14) T n-Tetracosane (C24)	14.937	2622308	17.294 ug/ml
15) T n-Hexacosane (C26)	15.959	2494679	17.236 ug/ml
16) T n-Octacosane (C28)	16.911	2441942	17.656 ug/ml
17) T n-Tricontane (C30)	17.800	2638336	19.324 ug/ml
18) T n-Dotriacontane (C32)	18.634	2654458	20.588 ug/ml
19) T n-Tetratriacontane (C34)	19.417	2387281	20.923 ug/ml
20) T n-Hexatriacontane (C36)	20.157	1951176	20.175 ug/ml
21) T n-Octatriacontane (C38)	20.917	1744532	20.016 ug/ml
22) T n-Tetracontane (C40)	21.870	1503361	18.297 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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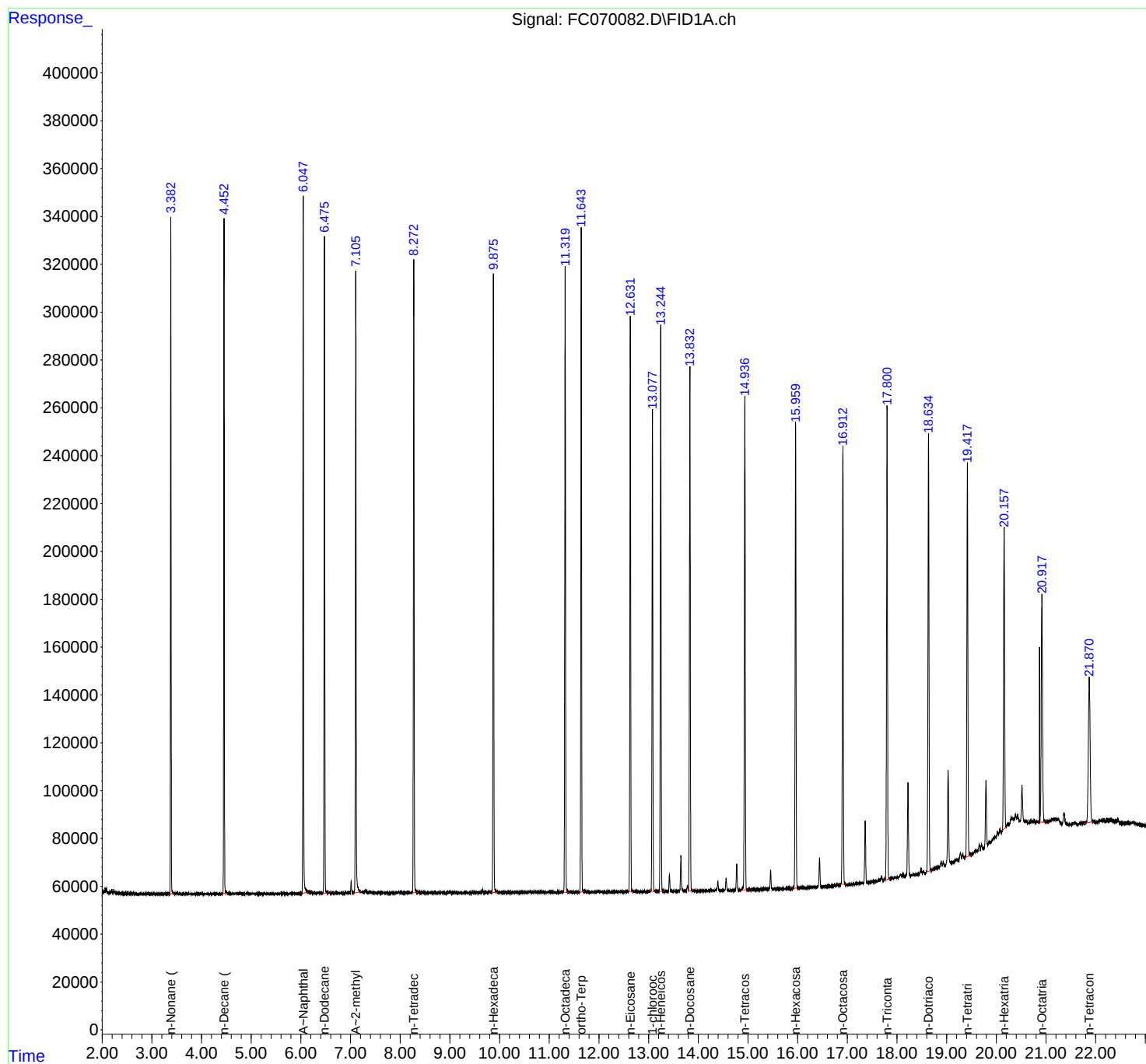
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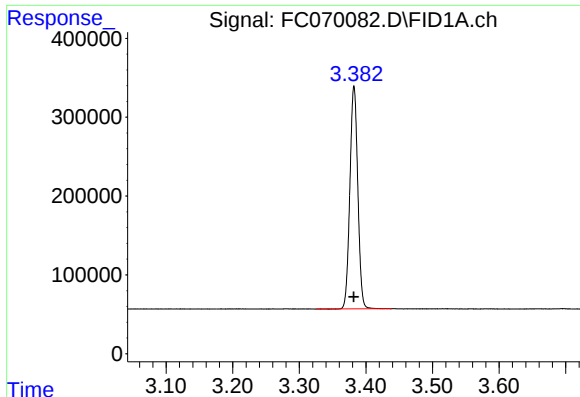
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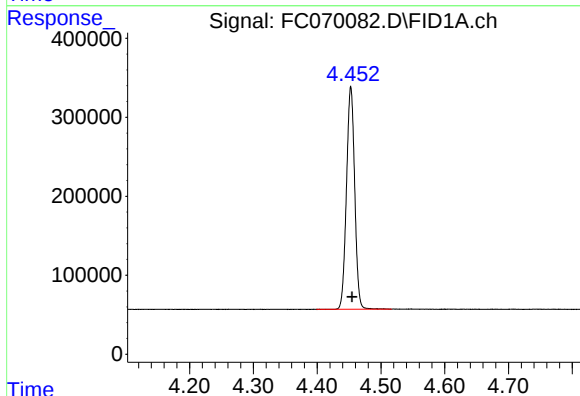
#1 n-Nonane (C9)

R.T.: 3.382 min
Delta R.T.: 0.000 min
Response: 2332324
Conc: 16.98 ug/ml

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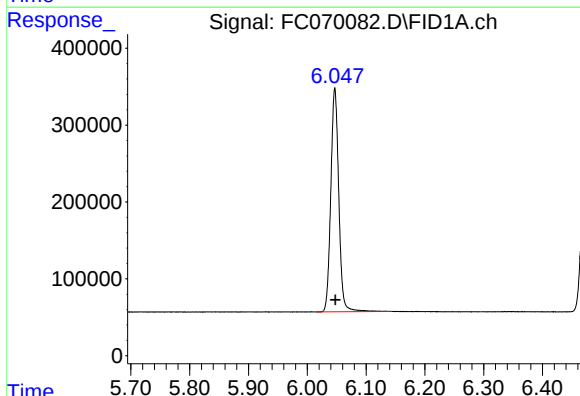
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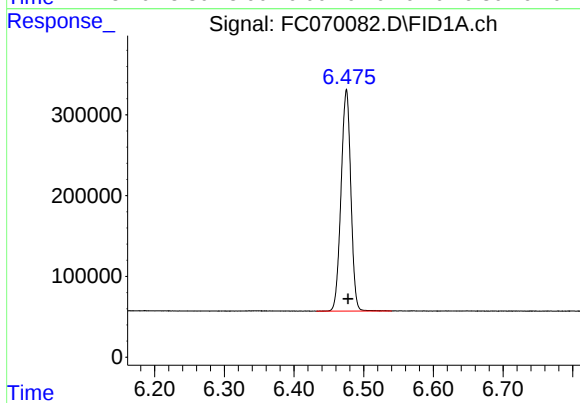
#2 n-Decane (C10)

R.T.: 4.453 min
Delta R.T.: -0.002 min
Response: 2517117
Conc: 17.51 ug/ml



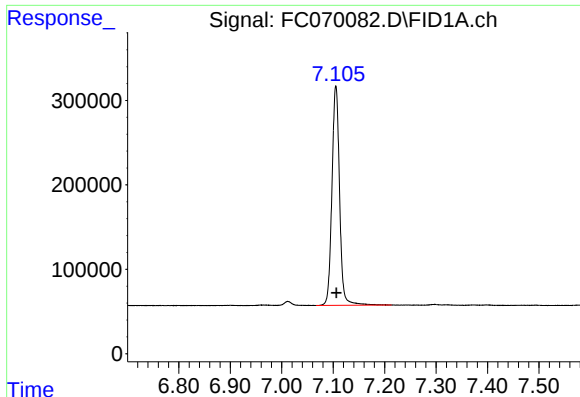
#3 A~Naphthalene (C11.7)

R.T.: 6.047 min
Delta R.T.: -0.001 min
Response: 2736469
Conc: 16.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.475 min
Delta R.T.: -0.002 min
Response: 2670610
Conc: 17.42 ug/ml



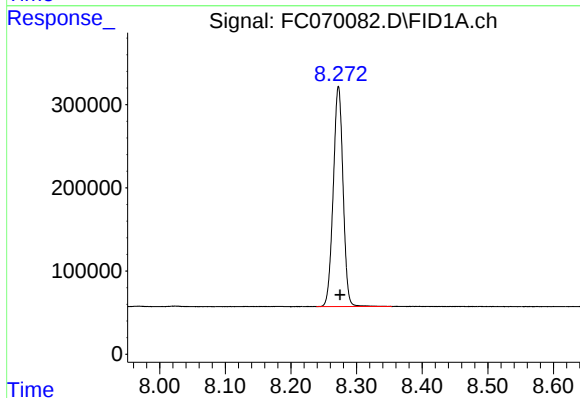
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.105 min
Delta R.T.: -0.001 min
Response: 2677617
Conc: 16.78 ug/ml

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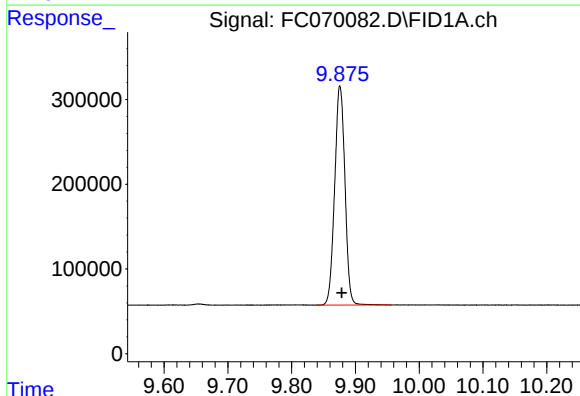
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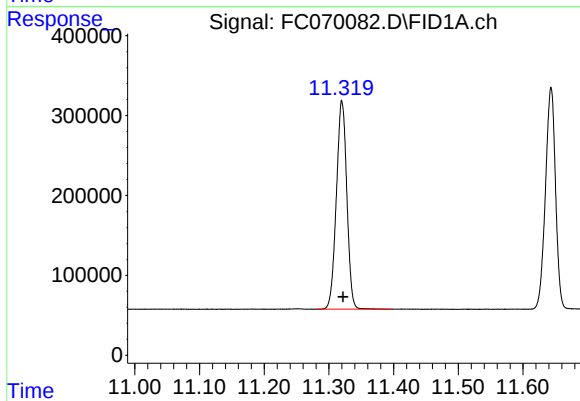
#6 n-Tetradecane (C14)

R.T.: 8.272 min
Delta R.T.: -0.002 min
Response: 2749559
Conc: 17.29 ug/ml



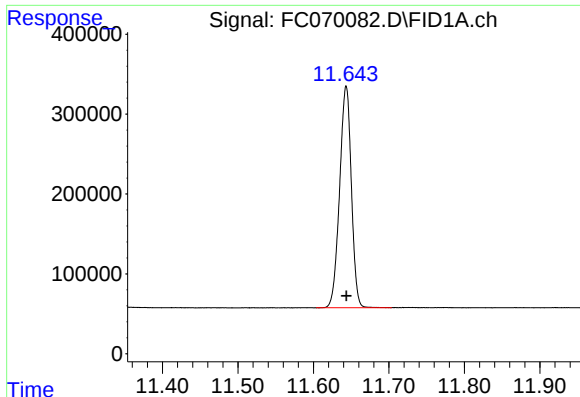
#7 n-Hexadecane (C16)

R.T.: 9.876 min
Delta R.T.: -0.003 min
Response: 2898843
Conc: 17.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 2938314
Conc: 17.27 ug/ml



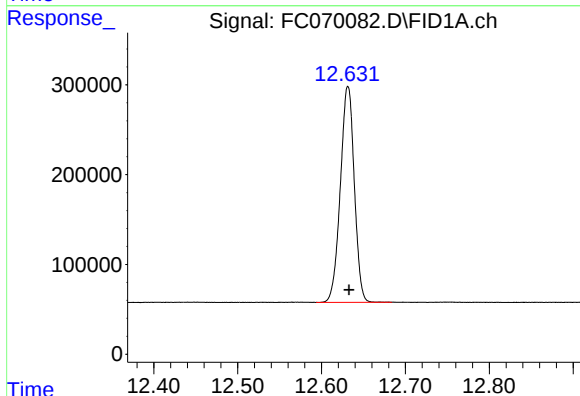
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 3001095
Conc: 17.09 ug/ml

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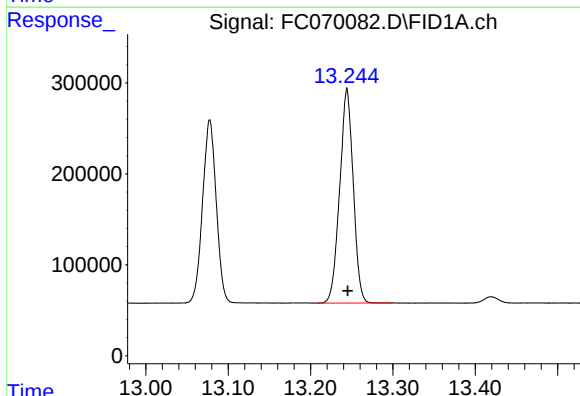
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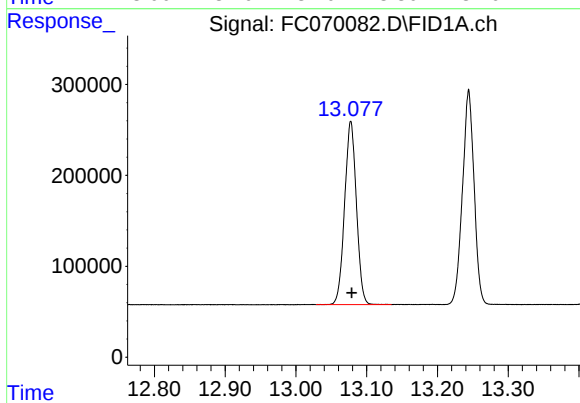
#10 n-Eicosane (C20)

R.T.: 12.631 min
Delta R.T.: -0.001 min
Response: 2781004
Conc: 17.33 ug/ml



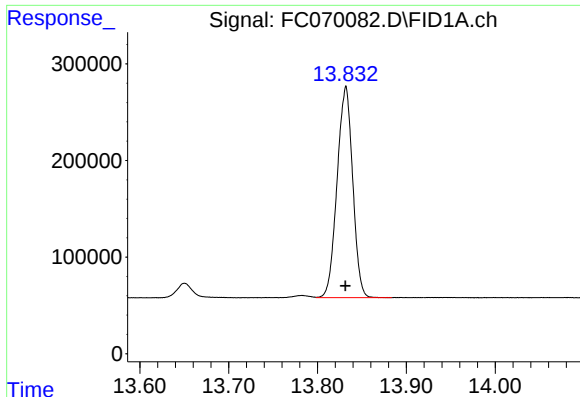
#11 n-Heneicosane (C21)

R.T.: 13.244 min
Delta R.T.: 0.000 min
Response: 2693439
Conc: 17.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min
Delta R.T.: -0.002 min
Response: 2329756
Conc: 17.16 ug/ml



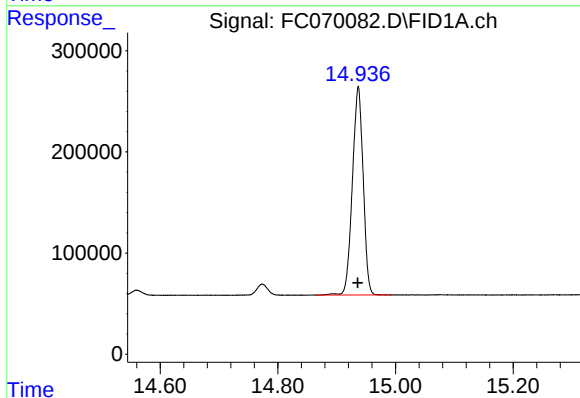
#13 n-Docosane (C22)

R.T.: 13.832 min
Delta R.T.: 0.000 min
Response: 2663990
Conc: 17.31 ug/ml

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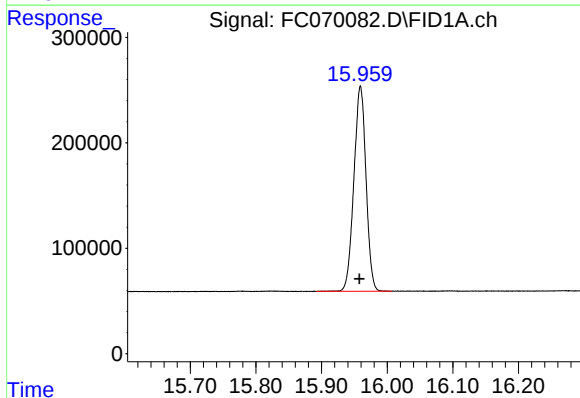
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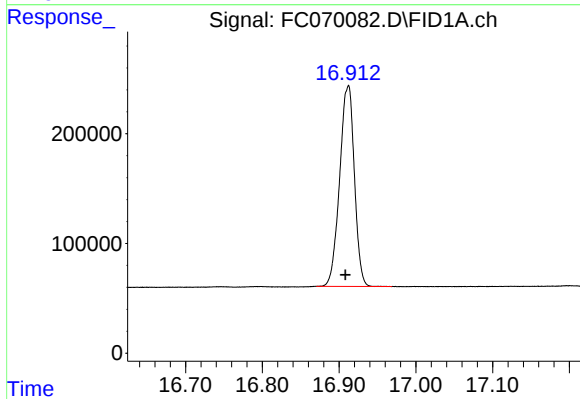
#14 n-Tetracosane (C24)

R.T.: 14.937 min
Delta R.T.: 0.000 min
Response: 2622308
Conc: 17.29 ug/ml



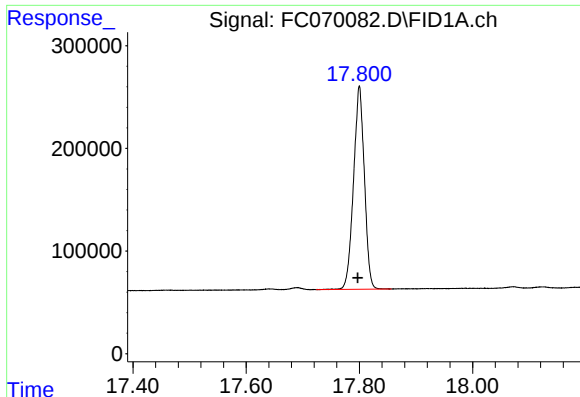
#15 n-Hexacosane (C26)

R.T.: 15.959 min
Delta R.T.: 0.001 min
Response: 2494679
Conc: 17.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.911 min
Delta R.T.: 0.003 min
Response: 2441942
Conc: 17.66 ug/ml



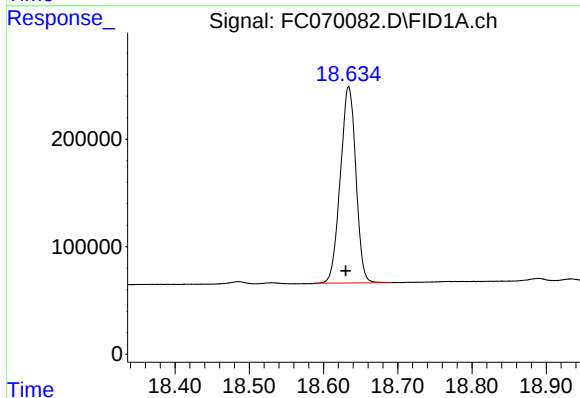
#17 n-Tricontane (C30)

R.T.: 17.800 min
Delta R.T.: 0.003 min
Response: 2638336
Conc: 19.32 ug/ml

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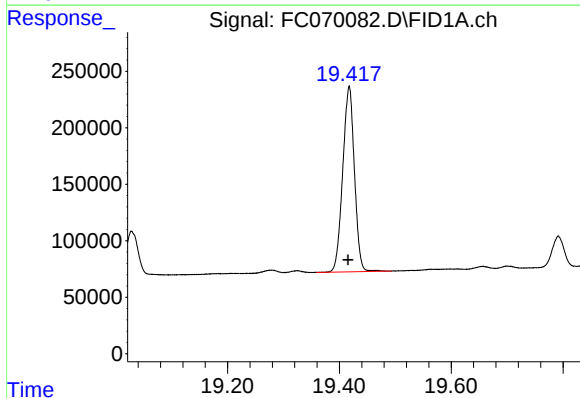
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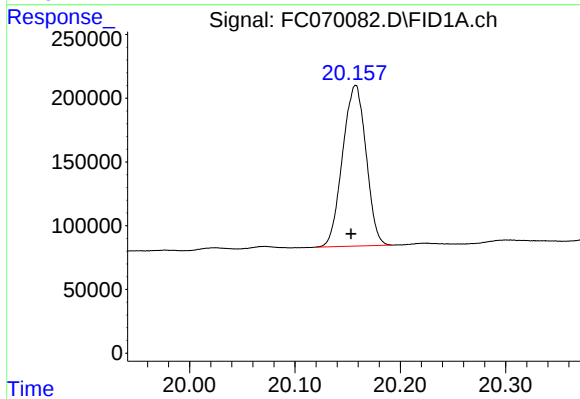
#18 n-Dotriacontane (C32)

R.T.: 18.634 min
Delta R.T.: 0.004 min
Response: 2654458
Conc: 20.59 ug/ml



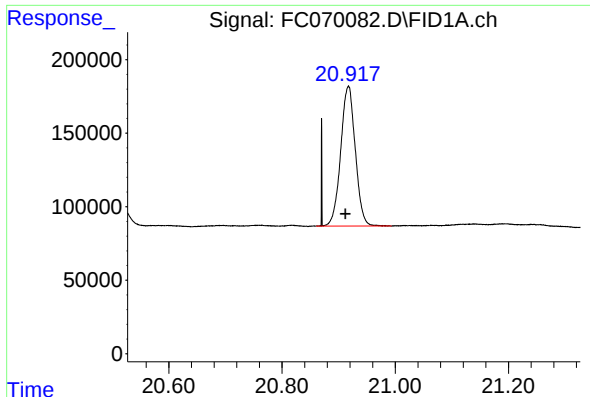
#19 n-Tetratriacontane (C34)

R.T.: 19.417 min
Delta R.T.: 0.002 min
Response: 2387281
Conc: 20.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.157 min
Delta R.T.: 0.004 min
Response: 1951176
Conc: 20.18 ug/ml



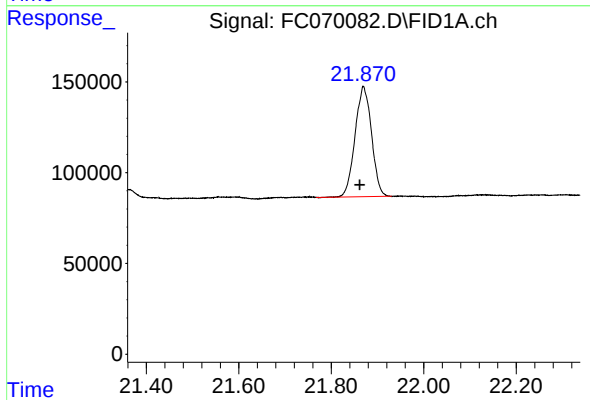
#21 n-Octatriacontane (C38)

R.T.: 20.917 min
Delta R.T.: 0.005 min
Response: 1744532
Conc: 20.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.870 min
Delta R.T.: 0.008 min
Response: 1503361
Conc: 18.30 ug/ml m