

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070116.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 10:06
 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 :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:25:07 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)	11.638	3225829	18.370 ug/ml
Spiked Amount 50.000		Recovery =	36.74%
12) S 1-chlorooctadecane (S...	13.073	2407301	17.734 ug/ml
Spiked Amount 50.000		Recovery =	35.47%
Target Compounds			
1) T n-Nonane (C9)	3.378	2568971	18.708 ug/ml
2) T n-Decane (C10)	4.449	2770166	19.269 ug/ml
3) T A~Naphthalene (C11.7)	6.042	2983072	18.458 ug/ml
4) T n-Dodecane (C12)	6.471	2887446	18.838 ug/ml
5) T A~2-methylnaphthalene...	7.101	2896675	18.155 ug/ml
6) T n-Tetradecane (C14)	8.269	2958658	18.603 ug/ml
7) T n-Hexadecane (C16)	9.872	3089263	18.332 ug/ml
8) T n-Octadecane (C18)	11.315	3105796	18.255 ug/ml
10) T n-Eicosane (C20)	12.626	2915109	18.170 ug/ml
11) T n-Heneicosane (C21)	13.239	2815465	18.132 ug/ml
13) T n-Docosane (C22)	13.825	2792186	18.143 ug/ml
14) T n-Tetracosane (C24)	14.929	2769857	18.267 ug/ml
15) T n-Hexacosane (C26)	15.952	2660396	18.381 ug/ml
16) T n-Octacosane (C28)	16.903	2683527	19.403 ug/ml
17) T n-Tricontane (C30)	17.791	2932976	21.482 ug/ml
18) T n-Dotriacontane (C32)	18.625	3001183	23.277 ug/mlm
19) T n-Tetratriacontane (C34)	19.408	2675315	23.447 ug/ml
20) T n-Hexatriacontane (C36)	20.150	2149866	22.230 ug/mlm
21) T n-Octatriacontane (C38)	20.908	1793733	20.580 ug/mlm
22) T n-Tetracontane (C40)	21.856	1611192	19.610 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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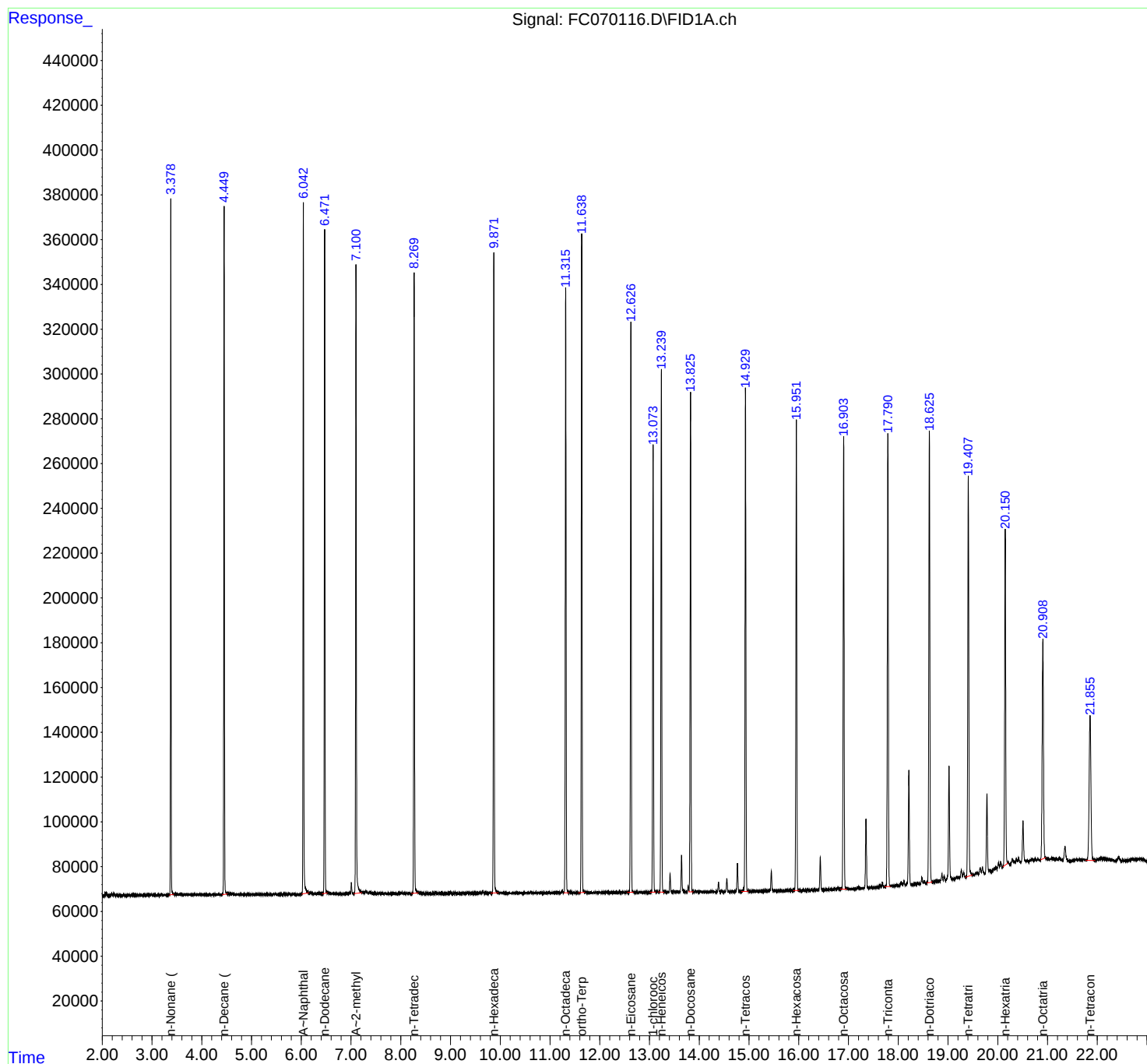
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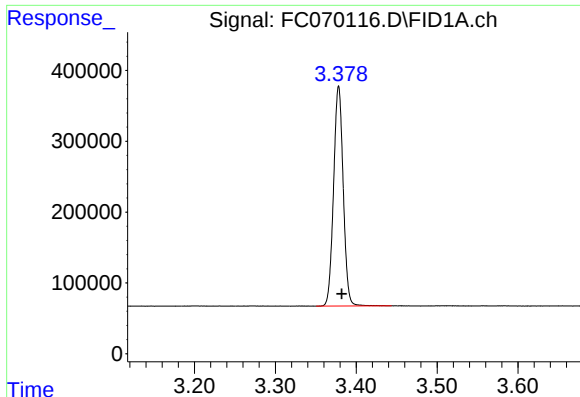
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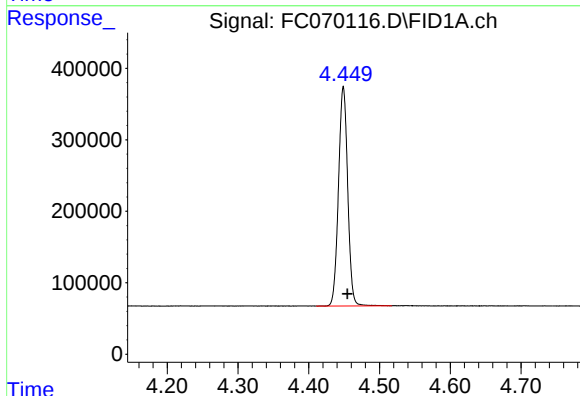
#1 n-Nonane (C9)

R.T.: 3.378 min
Delta R.T.: -0.004 min
Response: 2568971
Conc: 18.71 ug/ml

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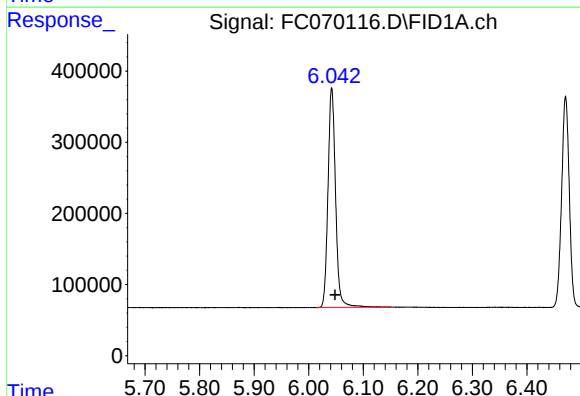
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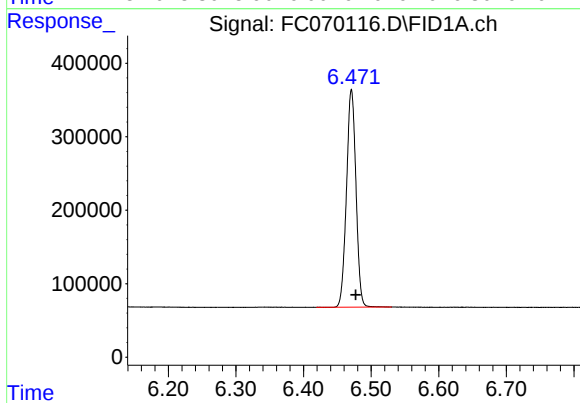
#2 n-Decane (C10)

R.T.: 4.449 min
Delta R.T.: -0.006 min
Response: 2770166
Conc: 19.27 ug/ml



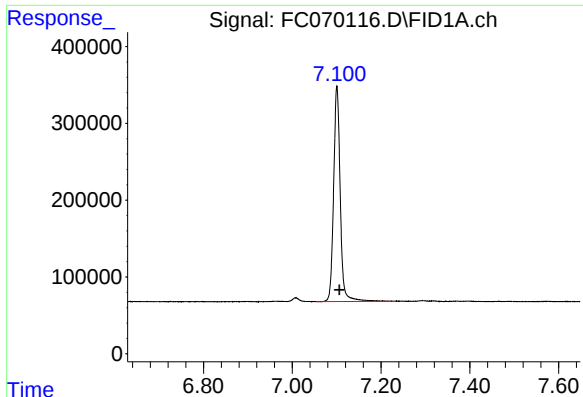
#3 A~Naphthalene (C11.7)

R.T.: 6.042 min
Delta R.T.: -0.006 min
Response: 2983072
Conc: 18.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.471 min
Delta R.T.: -0.006 min
Response: 2887446
Conc: 18.84 ug/ml



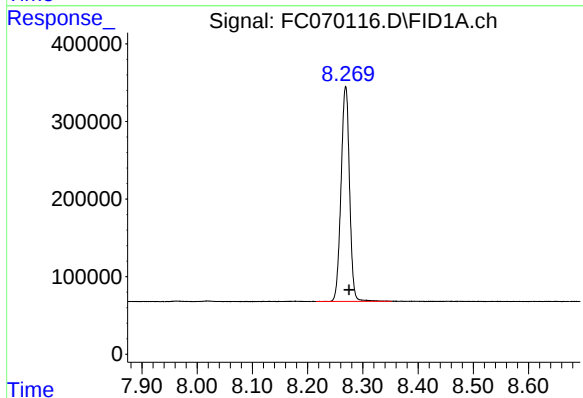
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.101 min
Delta R.T.: -0.006 min
Response: 2896675
Conc: 18.16 ug/ml

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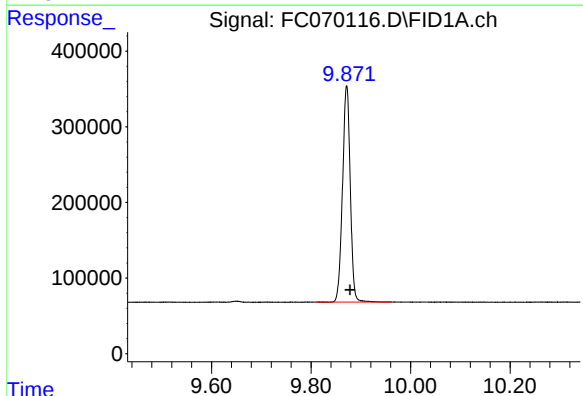
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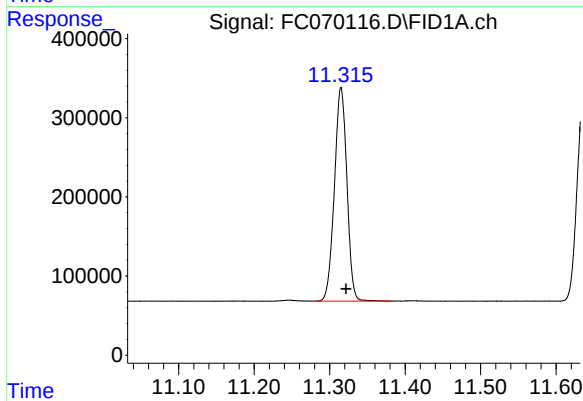
#6 n-Tetradecane (C14)

R.T.: 8.269 min
Delta R.T.: -0.006 min
Response: 2958658
Conc: 18.60 ug/ml



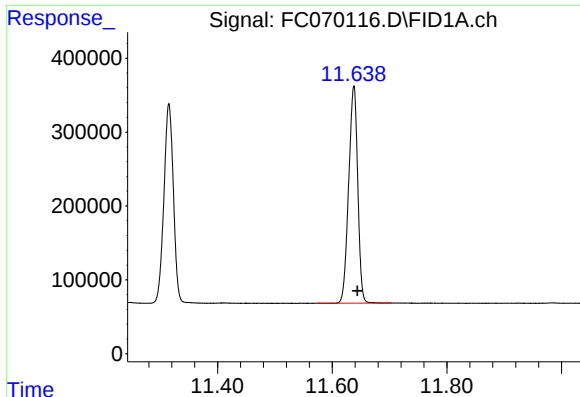
#7 n-Hexadecane (C16)

R.T.: 9.872 min
Delta R.T.: -0.007 min
Response: 3089263
Conc: 18.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.315 min
Delta R.T.: -0.007 min
Response: 3105796
Conc: 18.26 ug/ml



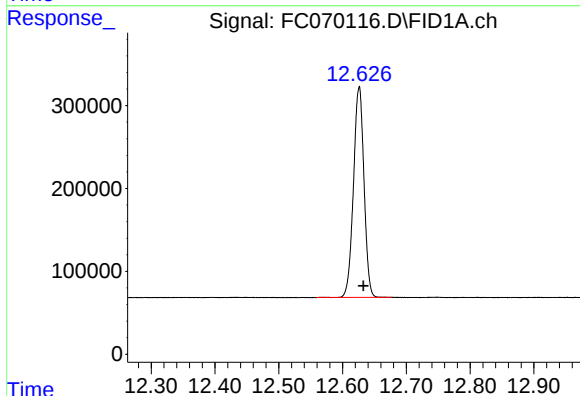
#9 ortho-Terphenyl (SURR)

R.T.: 11.638 min
Delta R.T.: -0.006 min
Response: 3225829
Conc: 18.37 ug/ml

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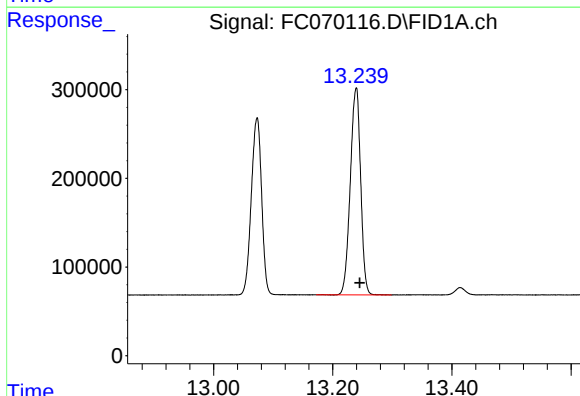
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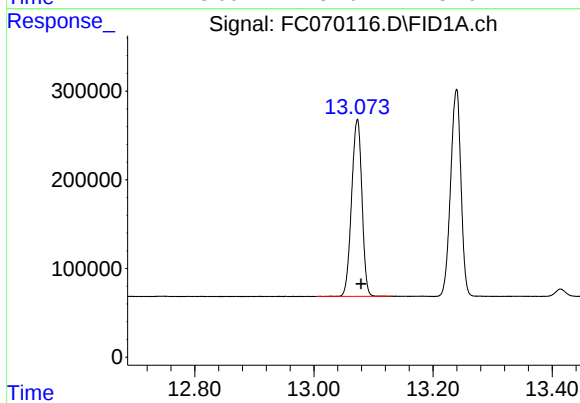
#10 n-Eicosane (C20)

R.T.: 12.626 min
Delta R.T.: -0.007 min
Response: 2915109
Conc: 18.17 ug/ml



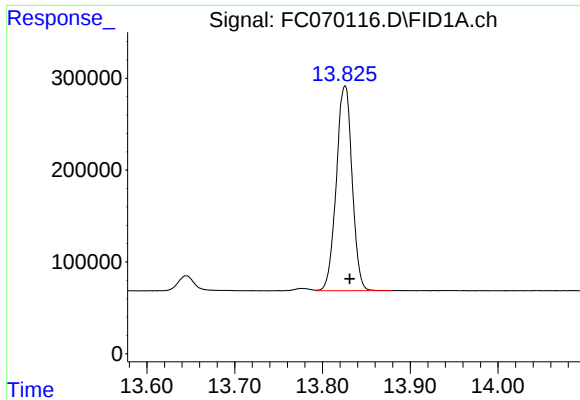
#11 n-Heneicosane (C21)

R.T.: 13.239 min
Delta R.T.: -0.006 min
Response: 2815465
Conc: 18.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.073 min
Delta R.T.: -0.006 min
Response: 2407301
Conc: 17.73 ug/ml



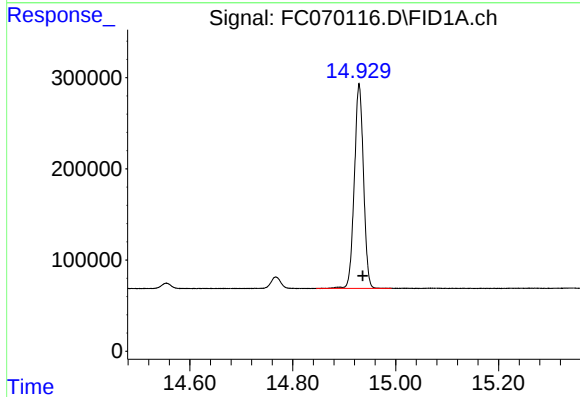
#13 n-Docosane (C22)

R.T.: 13.825 min
Delta R.T.: -0.006 min
Response: 2792186
Conc: 18.14 ug/ml

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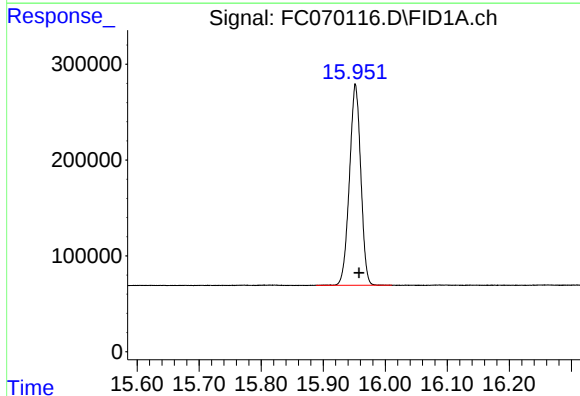
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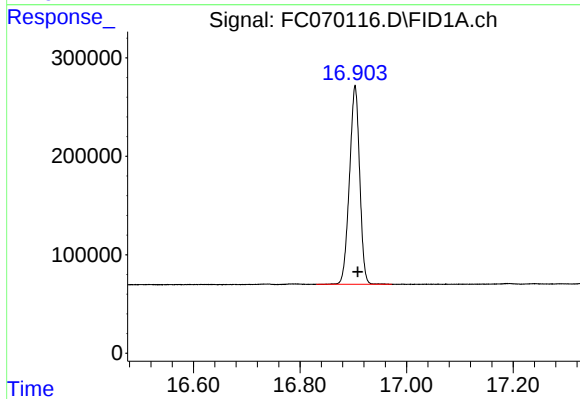
#14 n-Tetracosane (C24)

R.T.: 14.929 min
Delta R.T.: -0.007 min
Response: 2769857
Conc: 18.27 ug/ml



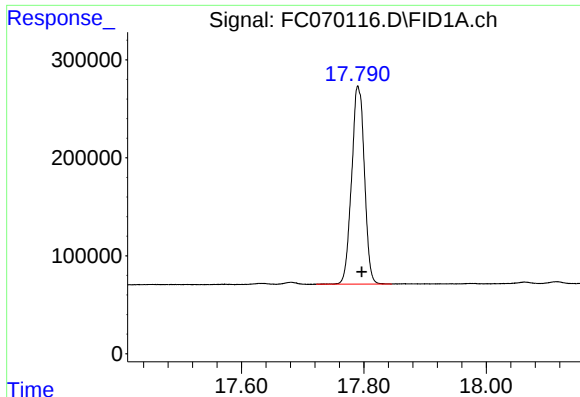
#15 n-Hexacosane (C26)

R.T.: 15.952 min
Delta R.T.: -0.006 min
Response: 2660396
Conc: 18.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.903 min
Delta R.T.: -0.005 min
Response: 2683527
Conc: 19.40 ug/ml



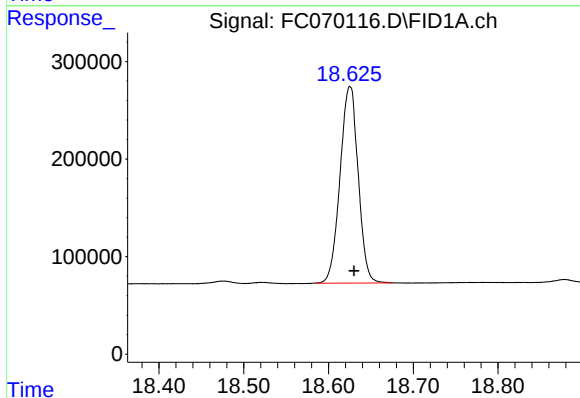
#17 n-Tricontane (C30)

R.T.: 17.791 min
Delta R.T.: -0.006 min
Response: 2932976
Conc: 21.48 ug/ml

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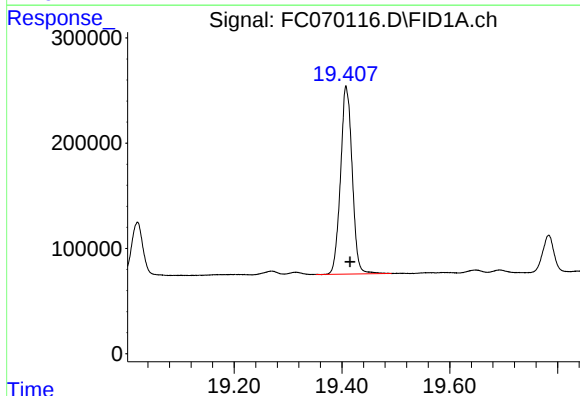
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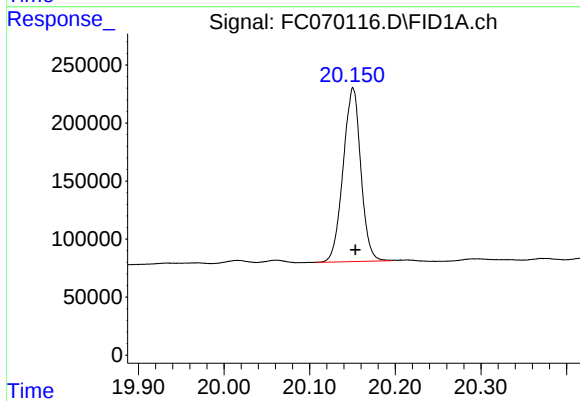
#18 n-Dotriacontane (C32)

R.T.: 18.625 min
Delta R.T.: -0.005 min
Response: 3001183
Conc: 23.28 ug/ml m



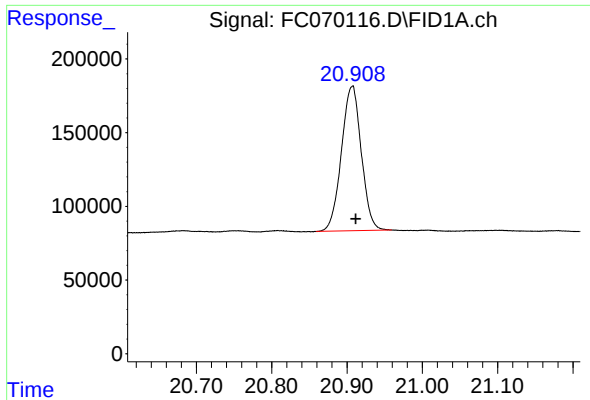
#19 n-Tetratriacontane (C34)

R.T.: 19.408 min
Delta R.T.: -0.007 min
Response: 2675315
Conc: 23.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.150 min
Delta R.T.: -0.003 min
Response: 2149866
Conc: 22.23 ug/ml m



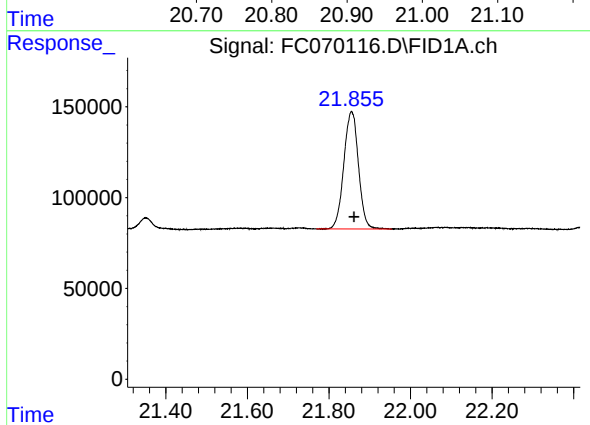
#21 n-Octatriacontane (C38)

R.T.: 20.908 min
Delta R.T.: -0.004 min
Response: 1793733
Conc: 20.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.856 min
Delta R.T.: -0.006 min
Response: 1611192
Conc: 19.61 ug/ml