

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC093025AL\
 Data File : FC069871.D
 Signal(s) : FID1A.ch
 Acq On : 29 Sep 2025 21:25
 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 :Yogesh Patel 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File: autoint1.e
 Quant Time: Sep 30 06:00:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092325.M
 Quant Title : GC Extractables
 Qlast Update : Tue Sep 23 14:56:40 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)	11.642	3452645	18.434 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
12) S 1-chlorooctadecane (S...	13.076	2759787	17.476 ug/ml
Spiked Amount 50.000		Recovery =	34.95%
Target Compounds			
1) T n-Nonane (C9)	3.381	2263262	17.655 ug/ml
2) T n-Decane (C10)	4.452	2568433	19.329 ug/ml
3) T A~Naphthalene (C11.7)	6.045	2873697	19.358 ug/ml
4) T n-Dodecane (C12)	6.475	2744389	19.673 ug/ml
5) T A~2-methylnaphthalene...	7.103	2888110	19.561 ug/ml
6) T n-Tetradecane (C14)	8.272	2878550	19.408 ug/ml
7) T n-Hexadecane (C16)	9.876	3123468	18.927 ug/ml
8) T n-Octadecane (C18)	11.320	3245368	18.210 ug/ml
10) T n-Eicosane (C20)	12.630	3187461	17.697 ug/ml
11) T n-Heneicosane (C21)	13.243	3141075	17.420 ug/ml
13) T n-Docosane (C22)	13.829	3171359	17.456 ug/ml
14) T n-Tetracosane (C24)	14.933	3264910	17.744 ug/ml
15) T n-Hexacosane (C26)	15.955	3216690	17.717 ug/ml
16) T n-Octacosane (C28)	16.906	3258062	18.456 ug/ml
17) T n-Tricontane (C30)	17.795	3548912	20.276 ug/ml
18) T n-Dotriacontane (C32)	18.629	3541505	21.890 ug/mlm
19) T n-Tetratriacontane (C34)	19.412	3033911	21.709 ug/ml
20) T n-Hexatriacontane (C36)	20.151	2331513	20.651 ug/ml
21) T n-Octatriacontane (C38)	20.907	1923402	19.939 ug/mlm
22) T n-Tetracontane (C40)	21.858	1650081	19.159 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

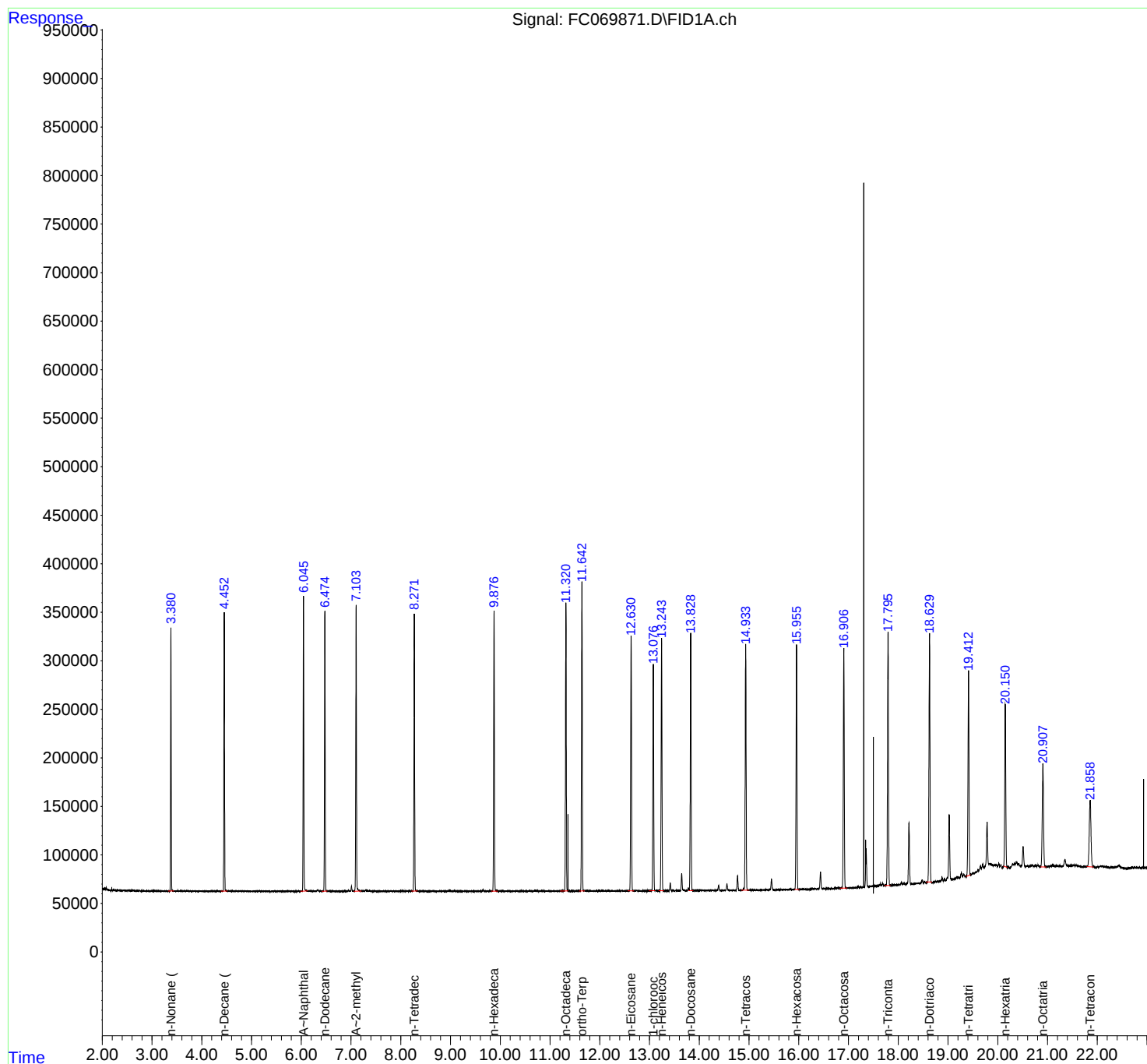
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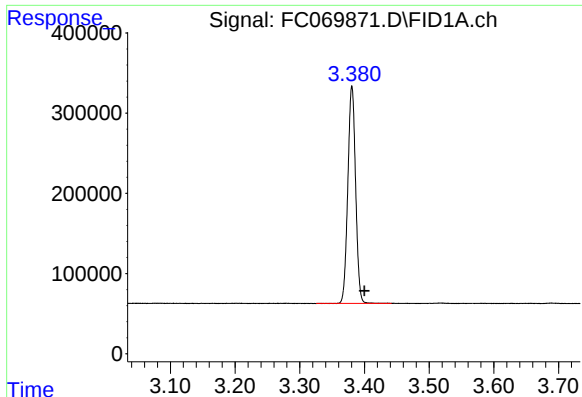
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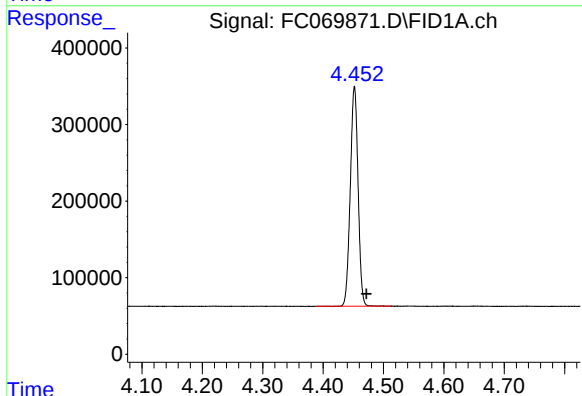
#1 n-Nonane (C9)

R.T.: 3.381 min
Delta R.T.: -0.019 min
Response: 2263262
Conc: 17.66 ug/ml

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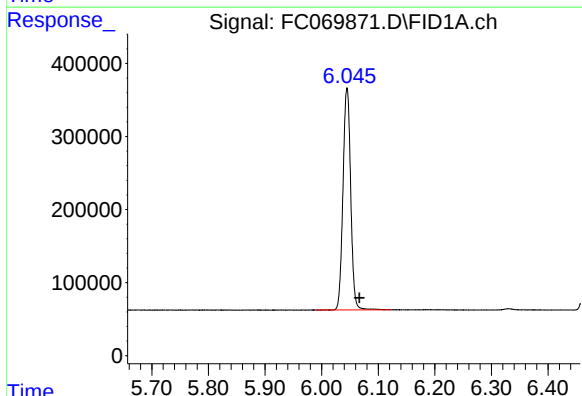
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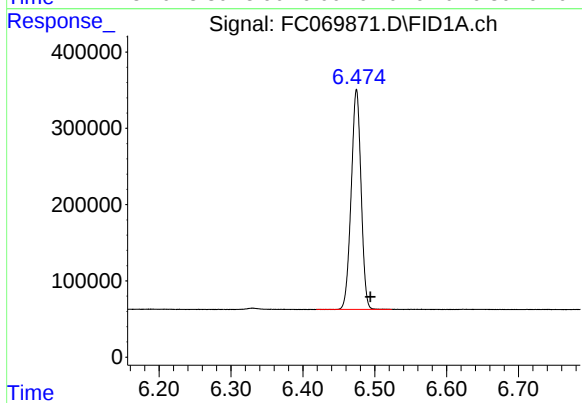
#2 n-Decane (C10)

R.T.: 4.452 min
Delta R.T.: -0.020 min
Response: 2568433
Conc: 19.33 ug/ml



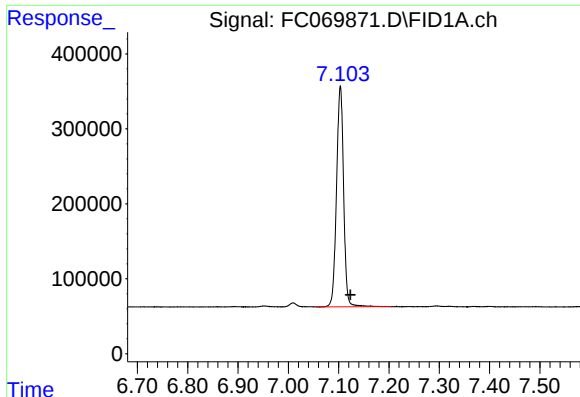
#3 A~Naphthalene (C11.7)

R.T.: 6.045 min
Delta R.T.: -0.022 min
Response: 2873697
Conc: 19.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.475 min
Delta R.T.: -0.019 min
Response: 2744389
Conc: 19.67 ug/ml



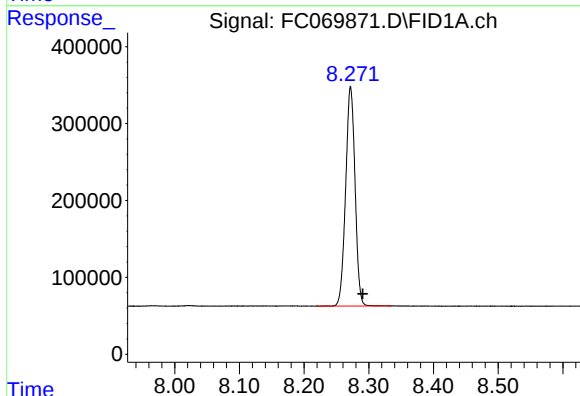
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.103 min
Delta R.T.: -0.020 min
Response: 2888110
Conc: 19.56 ug/ml

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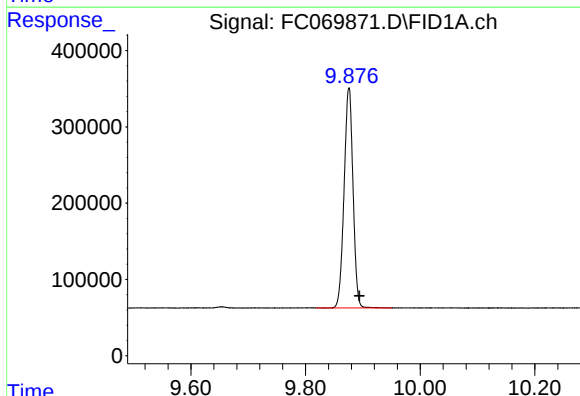
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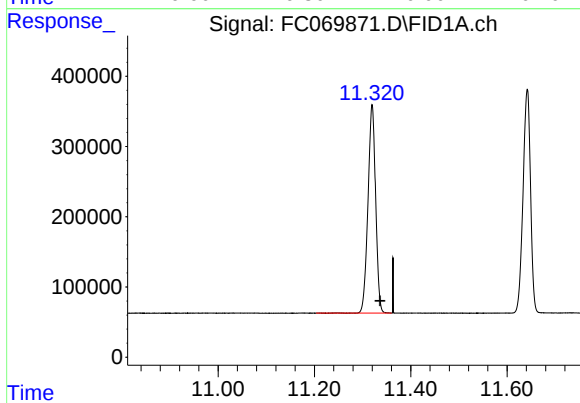
#6 n-Tetradecane (C14)

R.T.: 8.272 min
Delta R.T.: -0.019 min
Response: 2878550
Conc: 19.41 ug/ml



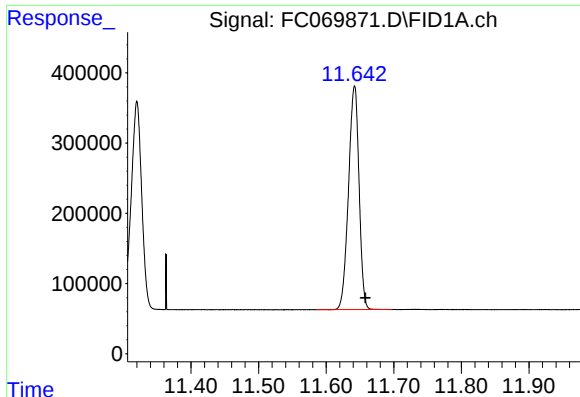
#7 n-Hexadecane (C16)

R.T.: 9.876 min
Delta R.T.: -0.018 min
Response: 3123468
Conc: 18.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.320 min
Delta R.T.: -0.017 min
Response: 3245368
Conc: 18.21 ug/ml



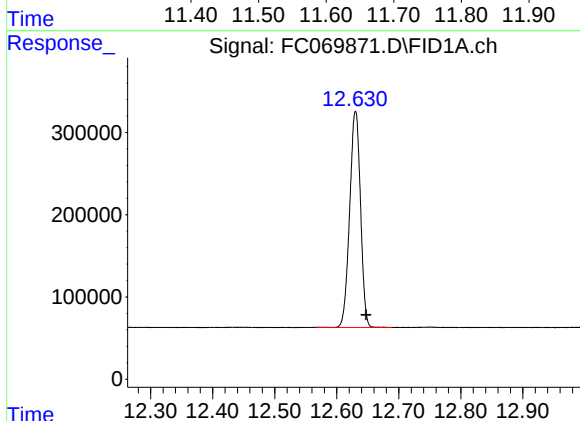
#9 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: -0.017 min
Response: 3452645
Conc: 18.43 ug/ml

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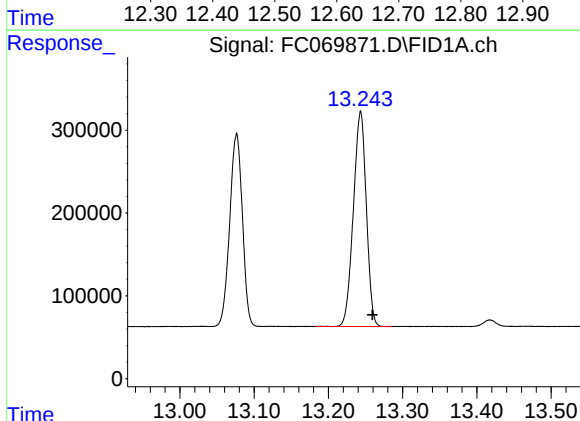
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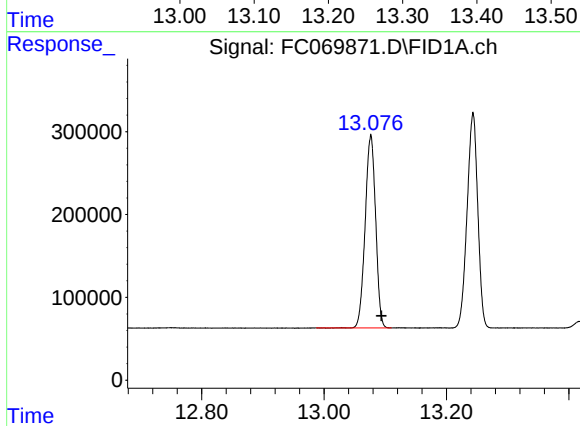
#10 n-Eicosane (C20)

R.T.: 12.630 min
Delta R.T.: -0.017 min
Response: 3187461
Conc: 17.70 ug/ml



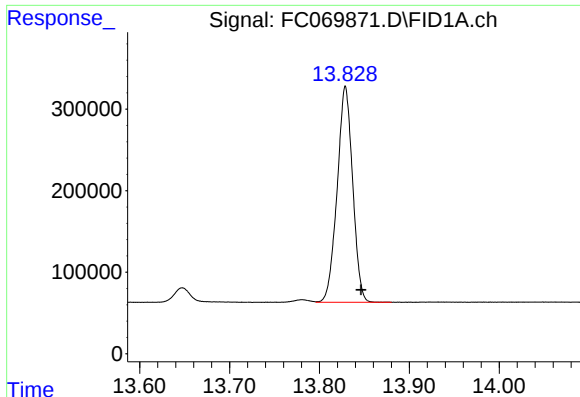
#11 n-Heneicosane (C21)

R.T.: 13.243 min
Delta R.T.: -0.016 min
Response: 3141075
Conc: 17.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.076 min
Delta R.T.: -0.017 min
Response: 2759787
Conc: 17.48 ug/ml



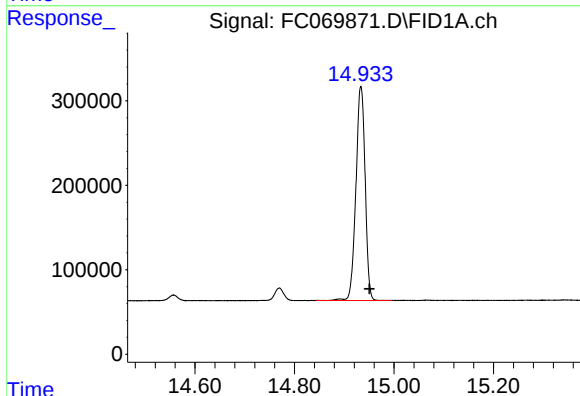
#13 n-Docosane (C22)

R.T.: 13.829 min
Delta R.T.: -0.017 min
Response: 3171359
Conc: 17.46 ug/ml

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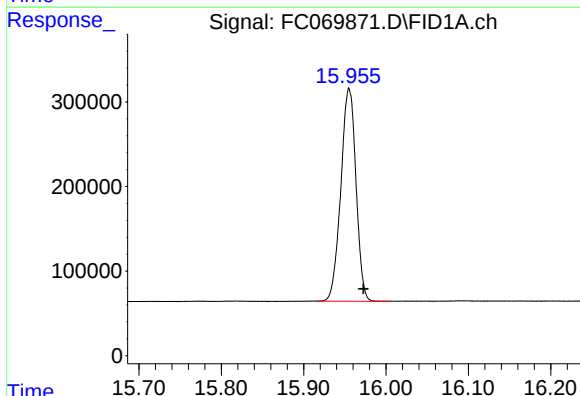
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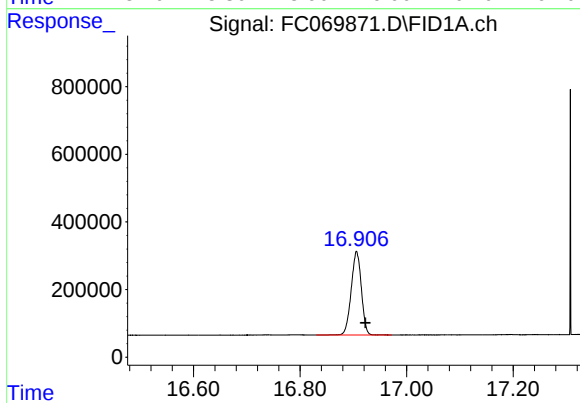
#14 n-Tetracosane (C24)

R.T.: 14.933 min
Delta R.T.: -0.017 min
Response: 3264910
Conc: 17.74 ug/ml



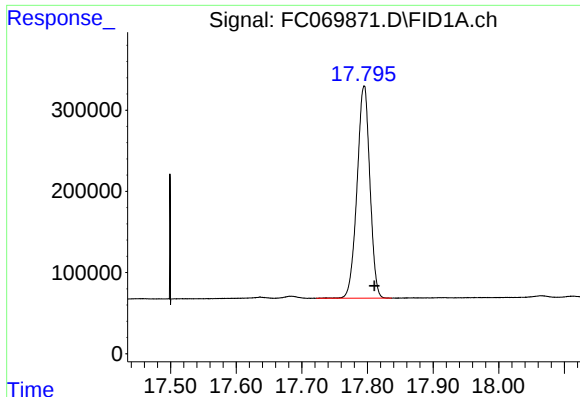
#15 n-Hexacosane (C26)

R.T.: 15.955 min
Delta R.T.: -0.017 min
Response: 3216690
Conc: 17.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.906 min
Delta R.T.: -0.016 min
Response: 3258062
Conc: 18.46 ug/ml



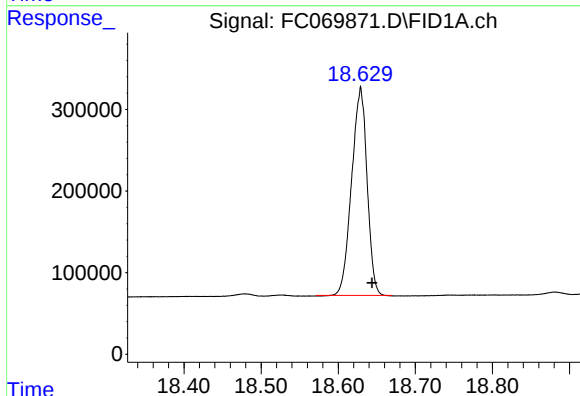
#17 n-Tricontane (C30)

R.T.: 17.795 min
Delta R.T.: -0.016 min
Response: 3548912
Conc: 20.28 ug/ml

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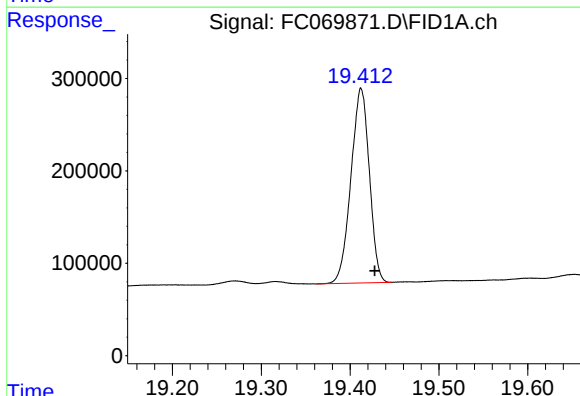
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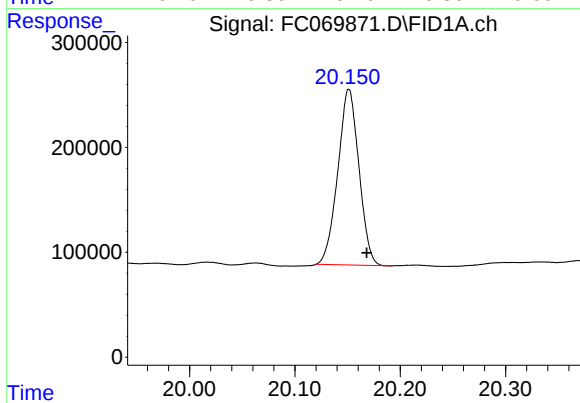
#18 n-Dotriacontane (C32)

R.T.: 18.629 min
Delta R.T.: -0.015 min
Response: 3541505
Conc: 21.89 ug/ml m



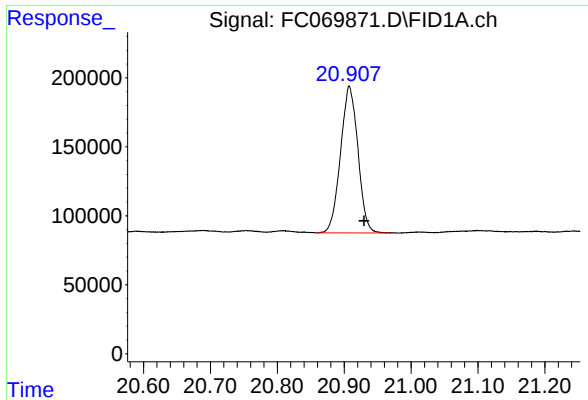
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min
Delta R.T.: -0.016 min
Response: 3033911
Conc: 21.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.151 min
Delta R.T.: -0.017 min
Response: 2331513
Conc: 20.65 ug/ml



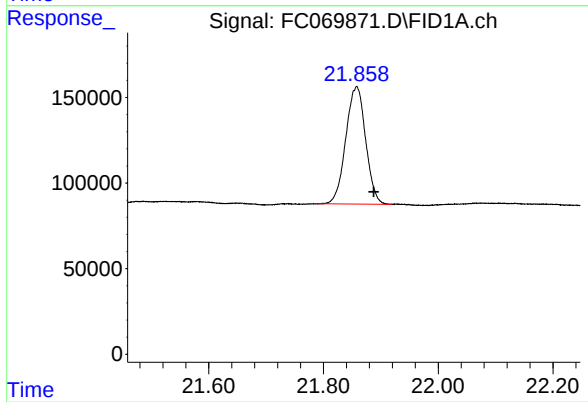
#21 n-Octatriacontane (C38)

R.T.: 20.907 min
Delta R.T.: -0.023 min
Response: 1923402
Conc: 19.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.858 min
Delta R.T.: -0.030 min
Response: 1650081
Conc: 19.16 ug/ml m