

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069375.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 10:35
 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 07/08/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
 Quant Time: Jul 08 01:26:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.673	3009845	17.422 ug/ml
Spiked Amount 50.000		Recovery =	34.84%
12) S 1-chlorooctadecane (S...	13.109	2246511	17.196 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
Target Compounds			
1) T n-Nonane (C9)	3.402	2715927	19.097 ug/ml
2) T n-Decane (C10)	4.476	2819265	19.258 ug/ml
3) T A~Naphthalene (C11.7)	6.072	3093538	19.227 ug/ml
4) T n-Dodecane (C12)	6.502	2873328	18.975 ug/ml
5) T A~2-methylnaphthalene...	7.132	2980839	18.836 ug/ml
6) T n-Tetradecane (C14)	8.301	2867816	18.501 ug/ml
7) T n-Hexadecane (C16)	9.906	2926930	17.911 ug/ml
8) T n-Octadecane (C18)	11.351	2880786	17.644 ug/ml
10) T n-Eicosane (C20)	12.662	2680957	17.564 ug/ml
11) T n-Heneicosane (C21)	13.276	2589998	17.572 ug/ml
13) T n-Docosane (C22)	13.864	2541491	17.664 ug/ml
14) T n-Tetracosane (C24)	14.968	2455938	17.806 ug/ml
15) T n-Hexacosane (C26)	15.991	2332468	17.843 ug/ml
16) T n-Octacosane (C28)	16.941	2244535	18.200 ug/ml
17) T n-Tricontane (C30)	17.832	2255851	18.975 ug/ml
18) T n-Dotriacontane (C32)	18.664	2150891	19.672 ug/ml
19) T n-Tetratriacontane (C34)	19.449	1919879	19.881 ug/ml
20) T n-Hexatriacontane (C36)	20.190	1649818	20.019 ug/ml
21) T n-Octatriacontane (C38)	20.957	1494946	20.004 ug/ml
22) T n-Tetracontane (C40)	21.922	1388369	19.605 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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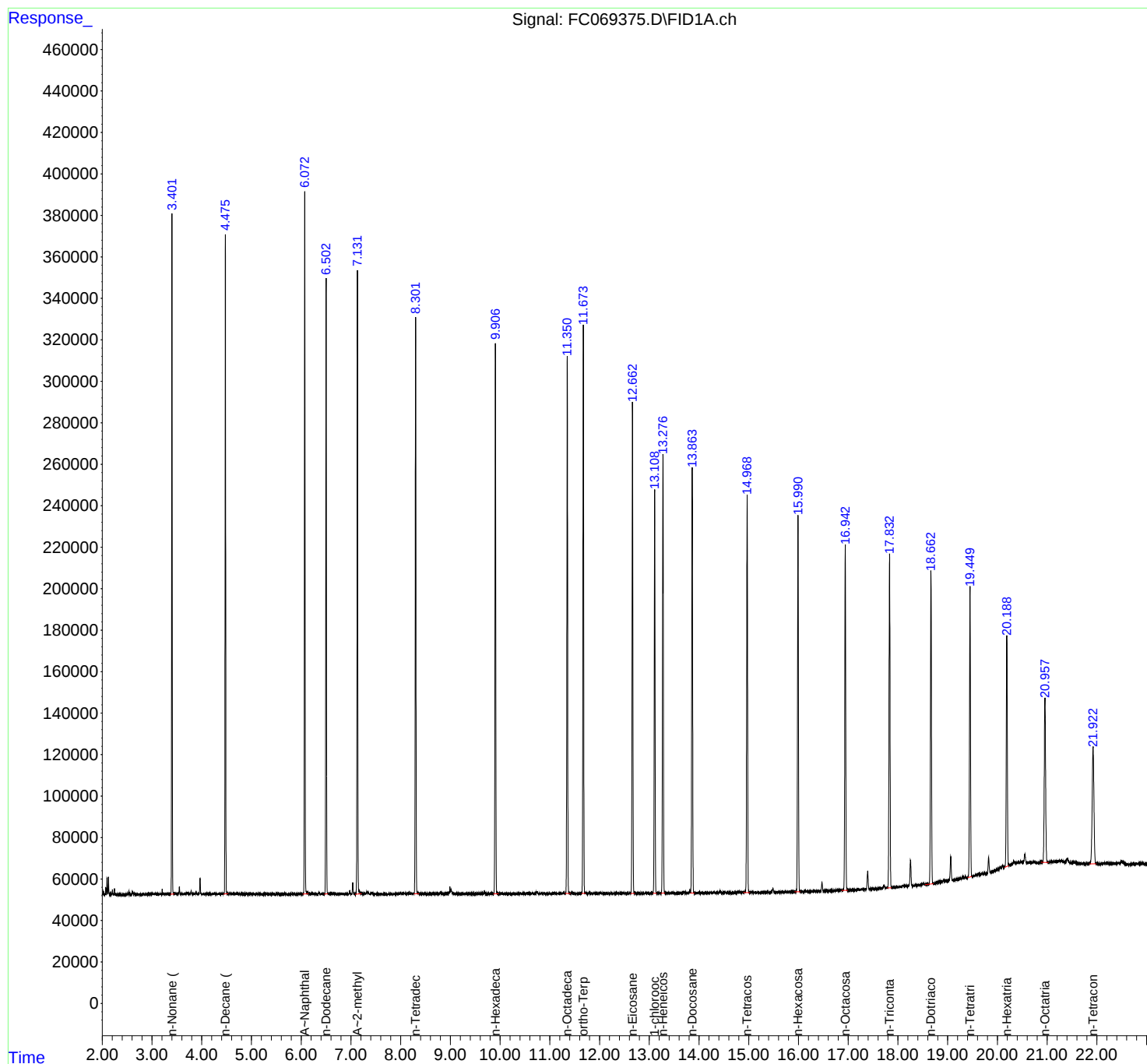
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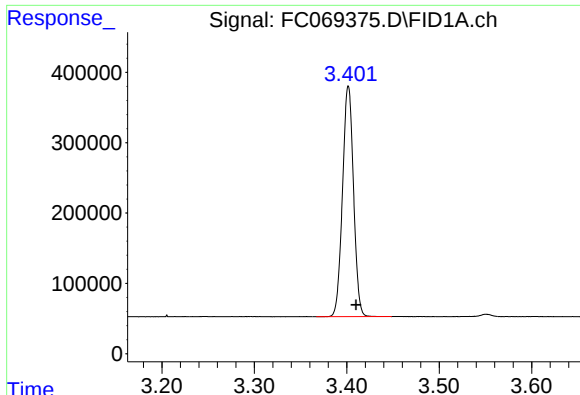
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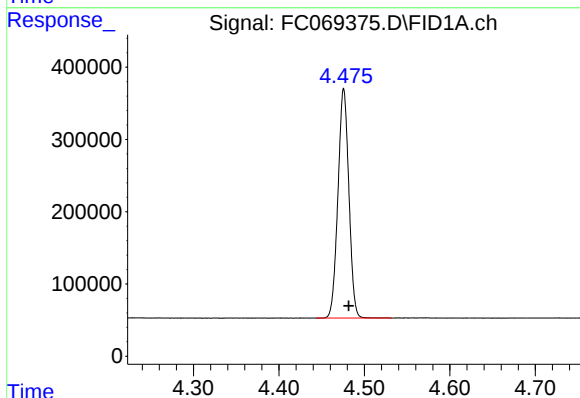
#1 n-Nonane (C9)

R.T.: 3.402 min
Delta R.T.: -0.008 min
Response: 2715927
Conc: 19.10 ug/ml

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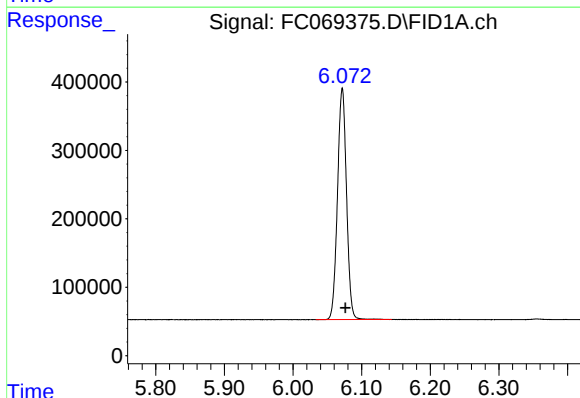
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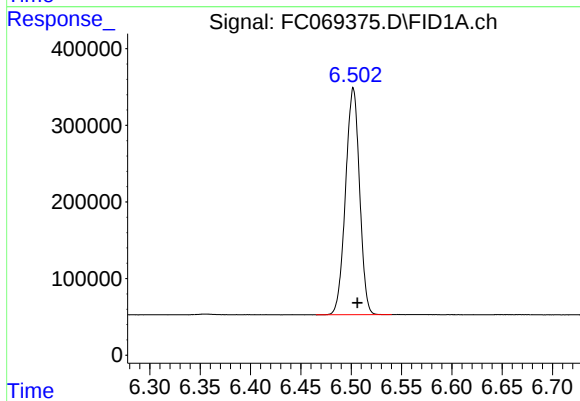
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: -0.006 min
Response: 2819265
Conc: 19.26 ug/ml



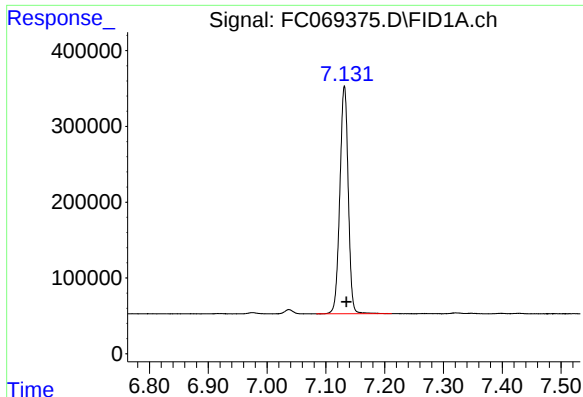
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.005 min
Response: 3093538
Conc: 19.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.502 min
Delta R.T.: -0.004 min
Response: 2873328
Conc: 18.98 ug/ml



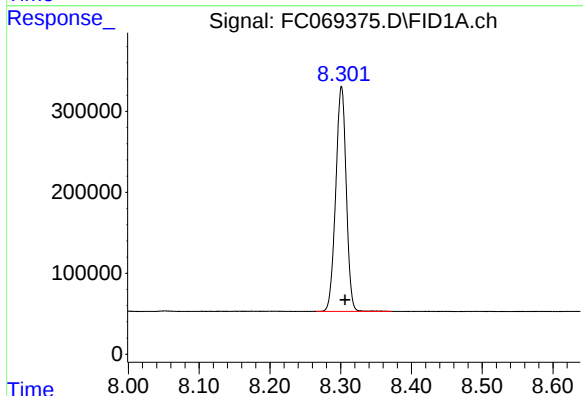
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: -0.004 min
Response: 2980839
Conc: 18.84 ug/ml

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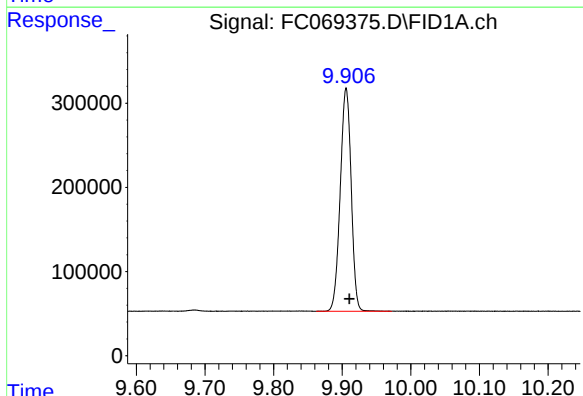
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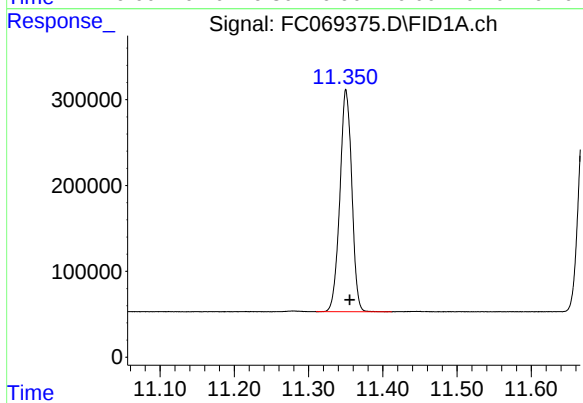
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: -0.005 min
Response: 2867816
Conc: 18.50 ug/ml



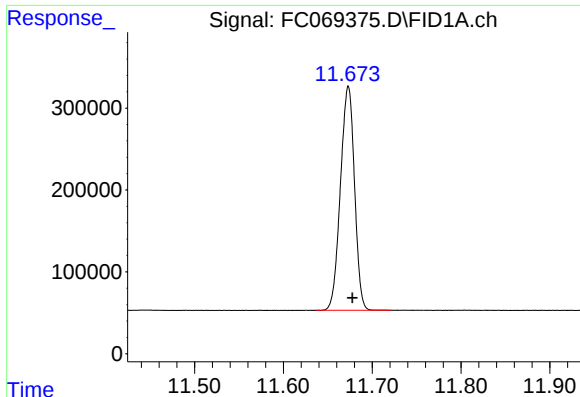
#7 n-Hexadecane (C16)

R.T.: 9.906 min
Delta R.T.: -0.005 min
Response: 2926930
Conc: 17.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.351 min
Delta R.T.: -0.005 min
Response: 2880786
Conc: 17.64 ug/ml



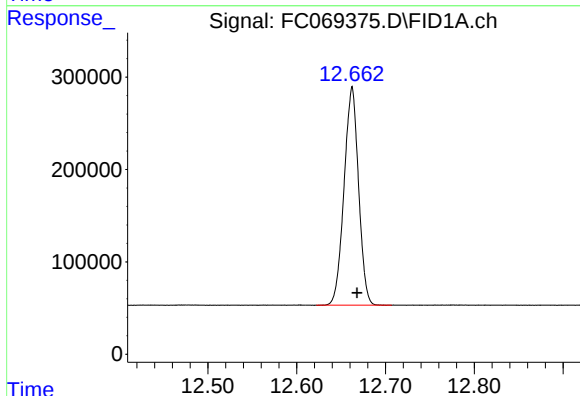
#9 ortho-Terphenyl (SURR)

R.T.: 11.673 min
Delta R.T.: -0.005 min
Response: 3009845
Conc: 17.42 ug/ml

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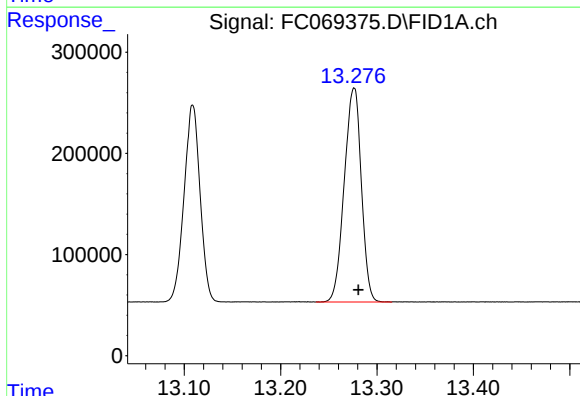
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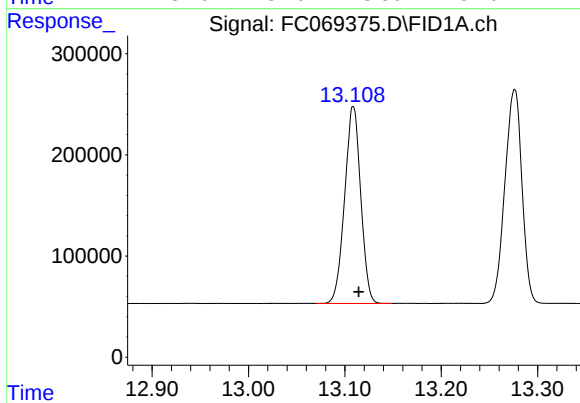
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: -0.006 min
Response: 2680957
Conc: 17.56 ug/ml



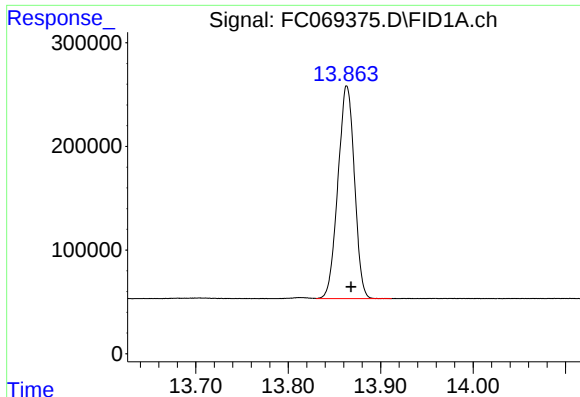
#11 n-Heneicosane (C21)

R.T.: 13.276 min
Delta R.T.: -0.005 min
Response: 2589998
Conc: 17.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.109 min
Delta R.T.: -0.006 min
Response: 2246511
Conc: 17.20 ug/ml



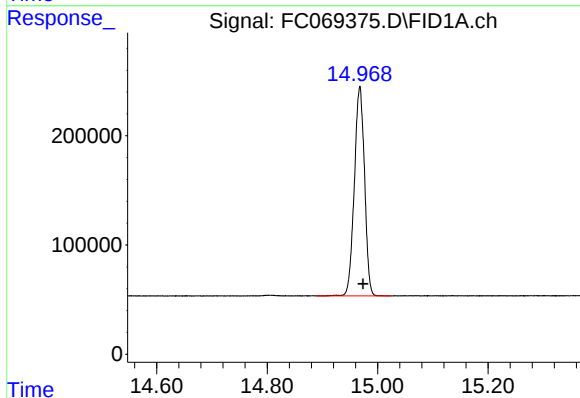
#13 n-Docosane (C22)

R.T.: 13.864 min
Delta R.T.: -0.005 min
Response: 2541491
Conc: 17.66 ug/ml

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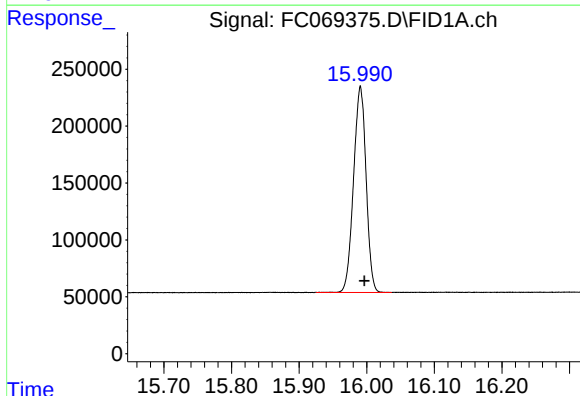
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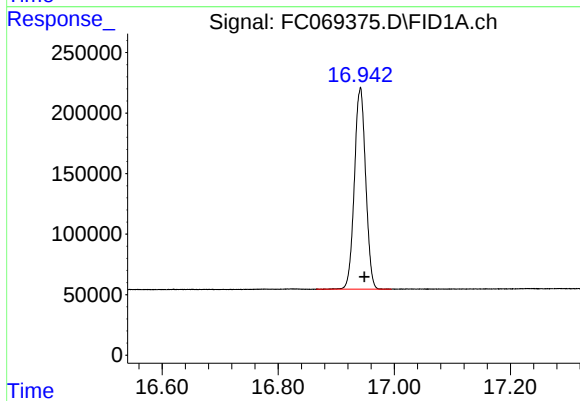
#14 n-Tetracosane (C24)

R.T.: 14.968 min
Delta R.T.: -0.006 min
Response: 2455938
Conc: 17.81 ug/ml



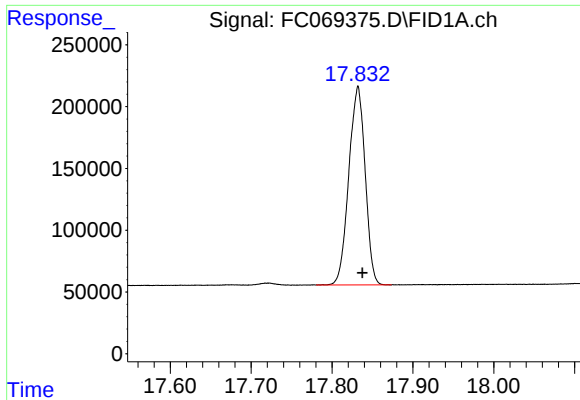
#15 n-Hexacosane (C26)

R.T.: 15.991 min
Delta R.T.: -0.006 min
Response: 2332468
Conc: 17.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.941 min
Delta R.T.: -0.007 min
Response: 2244535
Conc: 18.20 ug/ml



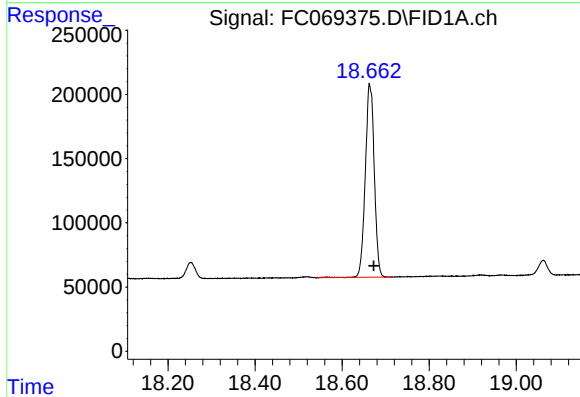
#17 n-Tricontane (C30)

R.T.: 17.832 min
Delta R.T.: -0.006 min
Response: 2255851
Conc: 18.98 ug/ml

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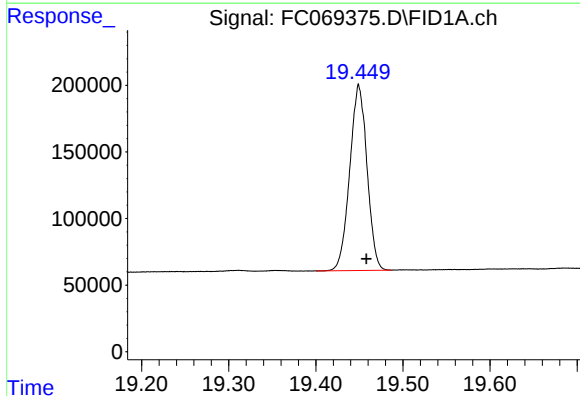
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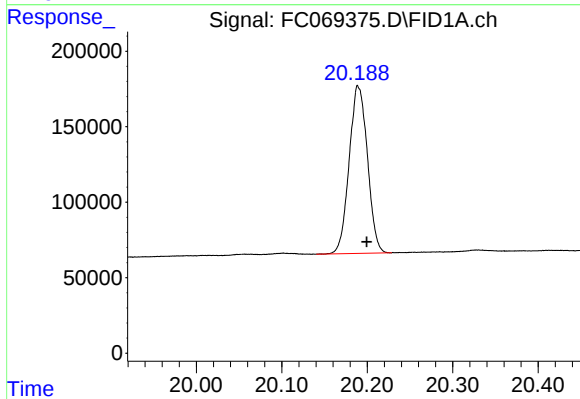
#18 n-Dotriacontane (C32)

R.T.: 18.664 min
Delta R.T.: -0.009 min
Response: 2150891
Conc: 19.67 ug/ml



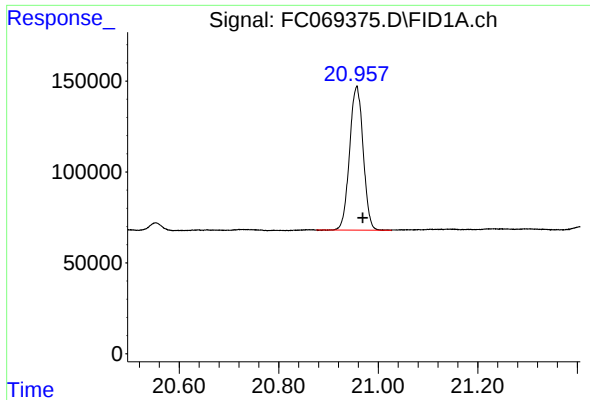
#19 n-Tetratriacontane (C34)

R.T.: 19.449 min
Delta R.T.: -0.009 min
Response: 1919879
Conc: 19.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.190 min
Delta R.T.: -0.010 min
Response: 1649818
Conc: 20.02 ug/ml



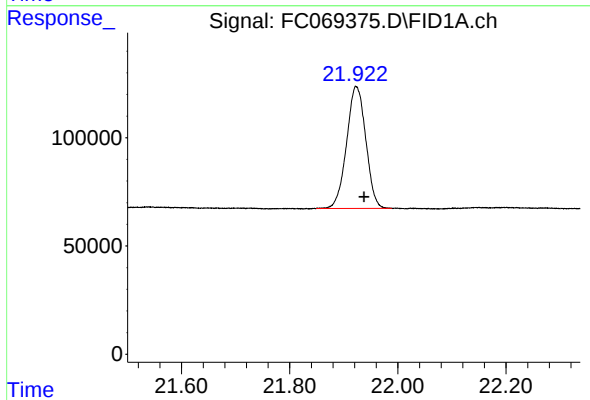
#21 n-Octatriacontane (C38)

R.T.: 20.957 min
Delta R.T.: -0.012 min
Response: 1494946
Conc: 20.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.922 min
Delta R.T.: -0.016 min
Response: 1388369
Conc: 19.61 ug/ml m