

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC043024AL\
 Data File : FC066273.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 09:15
 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 05/01/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: May 01 09:47:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 041524.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 16 08:19:15 2024
 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)	11.562	2430806	17.603 ug/ml
Spiked Amount 50.000		Recovery =	35.21%
12) S 1-chlorooctadecane (S...	13.001	1797180	18.316 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
Target Compounds			
1) T n-Nonane (C9)	3.316	2301278	17.876 ug/ml
2) T n-Decane (C10)	4.386	2325088	17.832 ug/ml
3) T A~Naphthalene (C11.7)	5.969	2549642	17.777 ug/ml
4) T n-Dodecane (C12)	6.407	2282399	17.627 ug/ml
5) T A~2-methylnaphthalene...	7.027	2432957	17.668 ug/ml
6) T n-Tetradecane (C14)	8.203	2195906	17.446 ug/ml
7) T n-Hexadecane (C16)	9.805	2214724	17.388 ug/ml
8) T n-Octadecane (C18)	11.248	2212607	17.383 ug/ml
10) T n-Eicosane (C20)	12.558	2115155	17.552 ug/ml
11) T n-Heneicosane (C21)	13.170	2082764	17.602 ug/ml
13) T n-Docosane (C22)	13.757	2081245	17.729 ug/ml
14) T n-Tetracosane (C24)	14.860	2085385	17.874 ug/ml
15) T n-Hexacosane (C26)	15.882	2057645	17.899 ug/ml
16) T n-Octacosane (C28)	16.832	2032317	17.933 ug/ml
17) T n-Tricontane (C30)	17.721	2066933	17.842 ug/ml
18) T n-Dotriacontane (C32)	18.553	2041752	17.783 ug/ml
19) T n-Tetratriacontane (C34)	19.337	2060479	18.762 ug/ml
20) T n-Hexatriacontane (C36)	20.078	2138357	20.716 ug/ml
21) T n-Octatriacontane (C38)	20.813	2272010	23.307 ug/ml
22) T n-Tetracontane (C40)	21.725	2339805	25.857 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

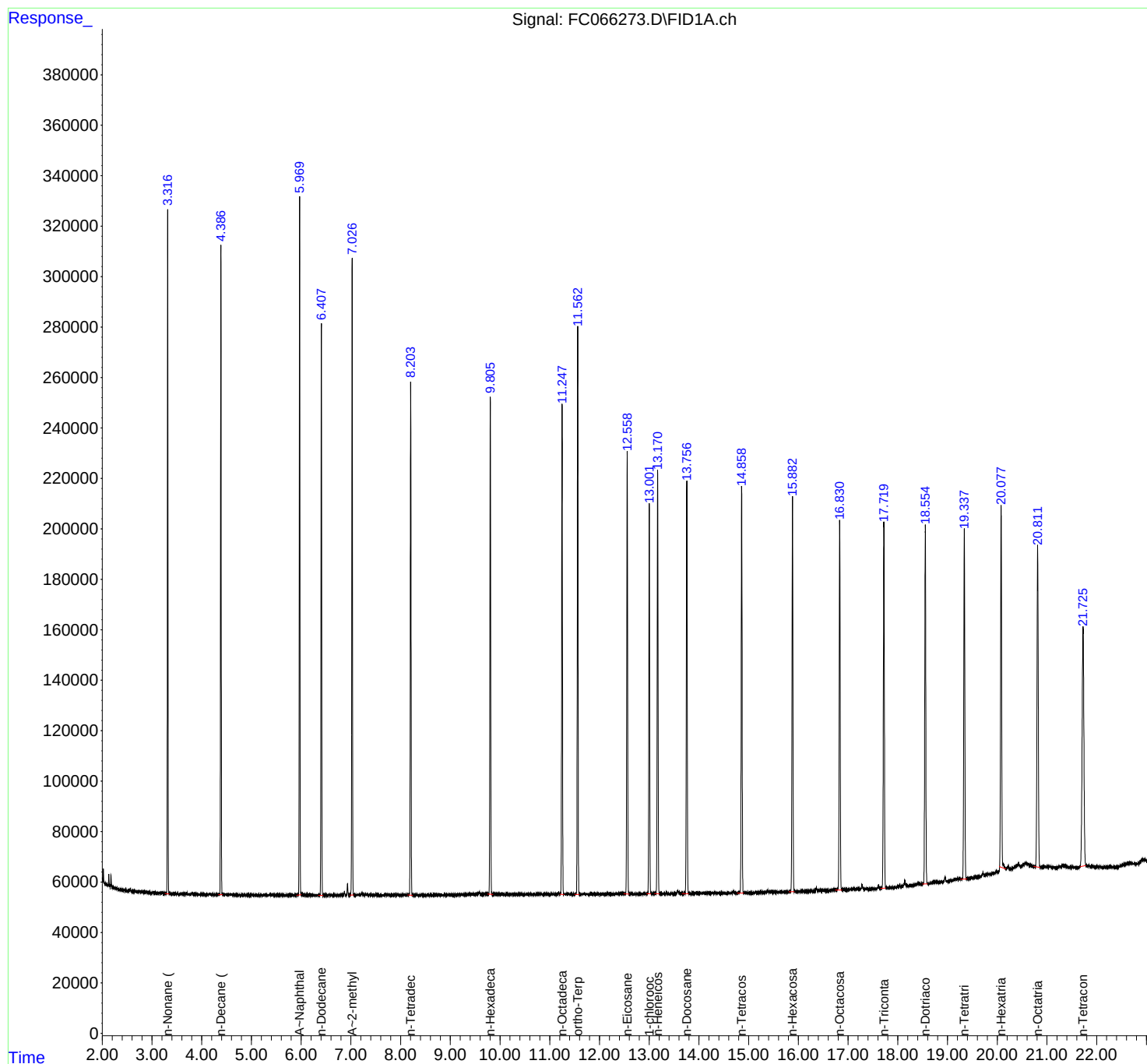
Instrument :
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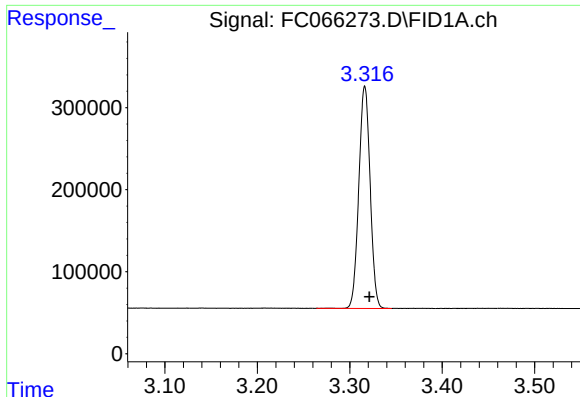
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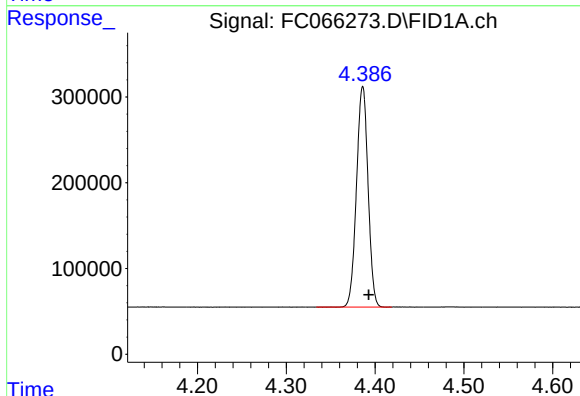
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: -0.005 min
Response: 2301278
Conc: 17.88 ug/ml

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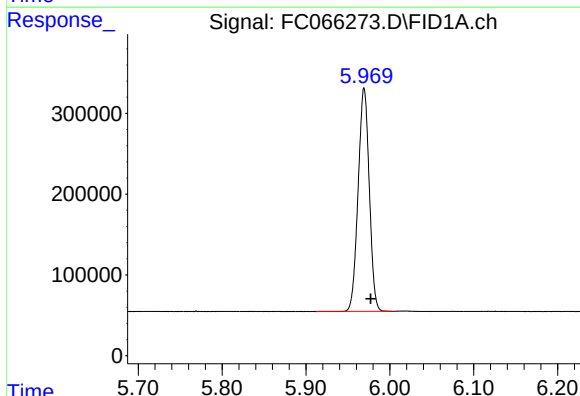
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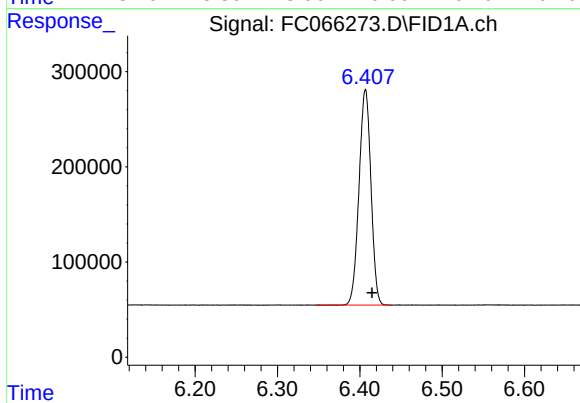
#2 n-Decane (C10)

R.T.: 4.386 min
Delta R.T.: -0.007 min
Response: 2325088
Conc: 17.83 ug/ml



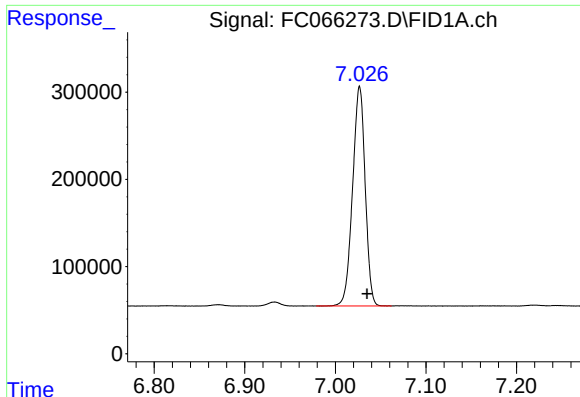
#3 A~Naphthalene (C11.7)

R.T.: 5.969 min
Delta R.T.: -0.008 min
Response: 2549642
Conc: 17.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.407 min
Delta R.T.: -0.008 min
Response: 2282399
Conc: 17.63 ug/ml



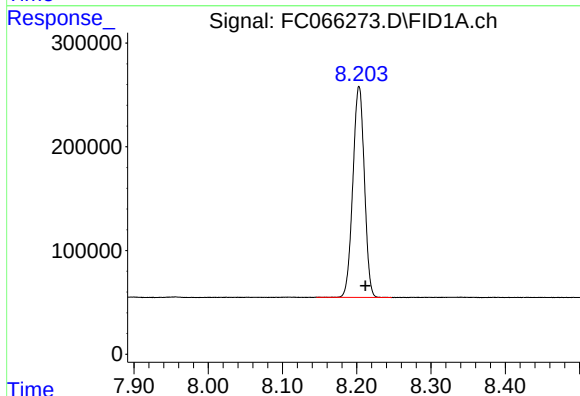
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.027 min
Delta R.T.: -0.008 min
Response: 2432957
Conc: 17.67 ug/ml

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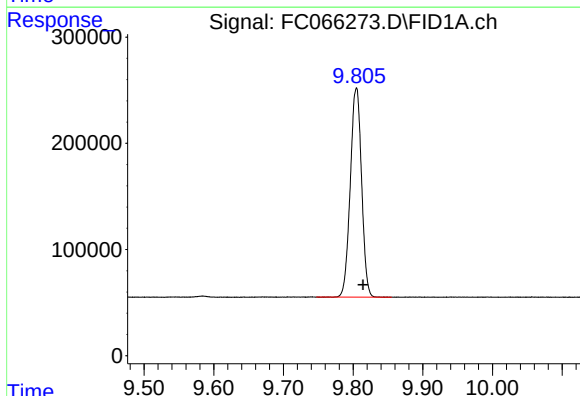
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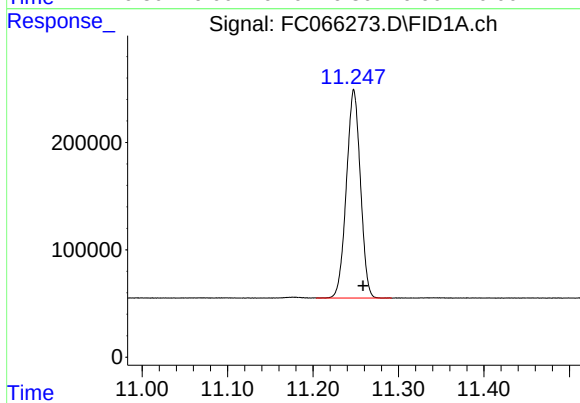
#6 n-Tetradecane (C14)

R.T.: 8.203 min
Delta R.T.: -0.009 min
Response: 2195906
Conc: 17.45 ug/ml



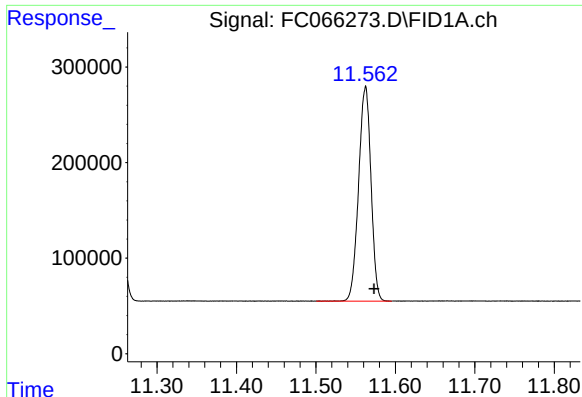
#7 n-Hexadecane (C16)

R.T.: 9.805 min
Delta R.T.: -0.010 min
Response: 2214724
Conc: 17.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.248 min
Delta R.T.: -0.011 min
Response: 2212607
Conc: 17.38 ug/ml



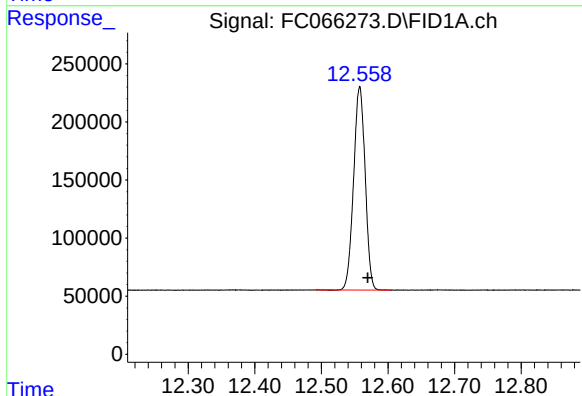
#9 ortho-Terphenyl (SURR)

R.T.: 11.562 min
Delta R.T.: -0.011 min
Response: 2430806
Conc: 17.60 ug/ml

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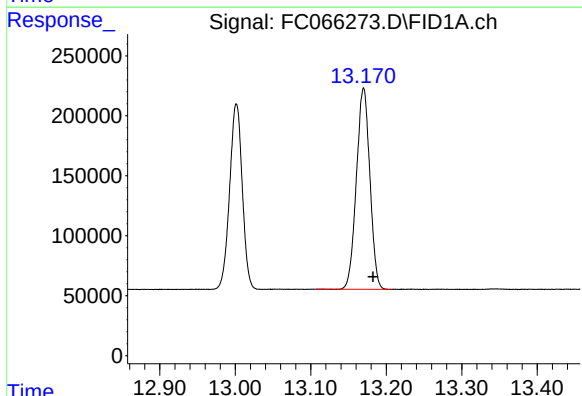
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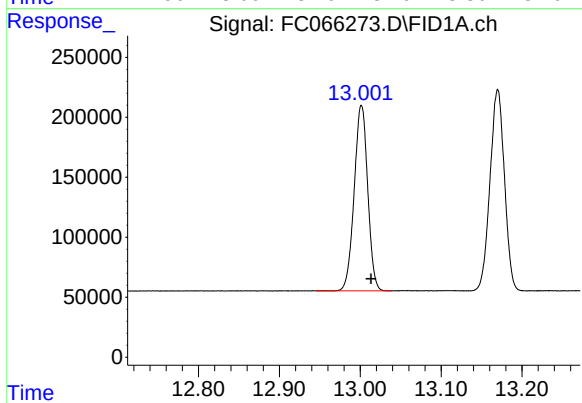
#10 n-Eicosane (C20)

R.T.: 12.558 min
Delta R.T.: -0.012 min
Response: 2115155
Conc: 17.55 ug/ml



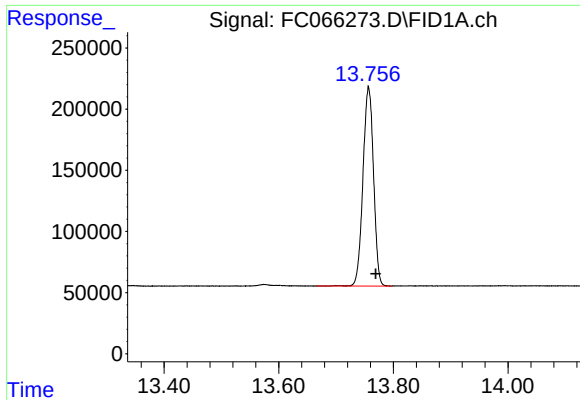
#11 n-Heneicosane (C21)

R.T.: 13.170 min
Delta R.T.: -0.012 min
Response: 2082764
Conc: 17.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.001 min
Delta R.T.: -0.012 min
Response: 1797180
Conc: 18.32 ug/ml



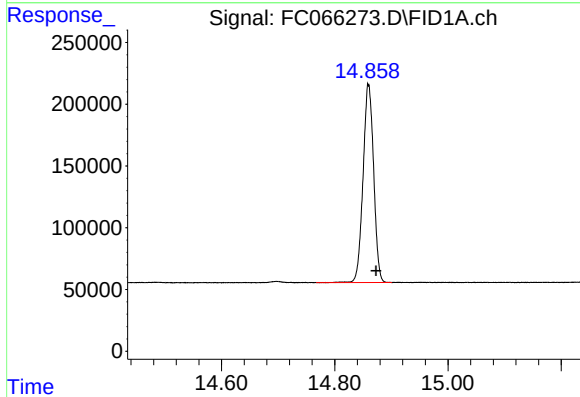
#13 n-Docosane (C22)

R.T.: 13.757 min
Delta R.T.: -0.012 min
Response: 2081245
Conc: 17.73 ug/ml

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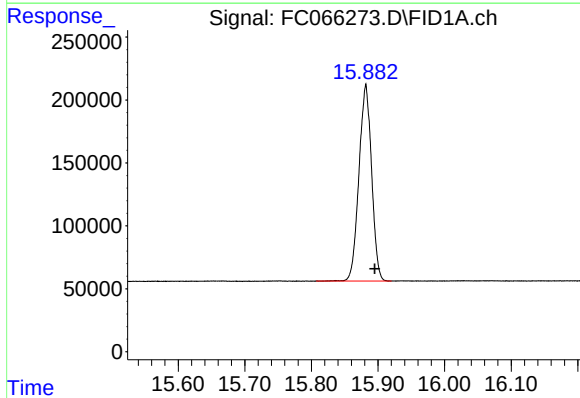
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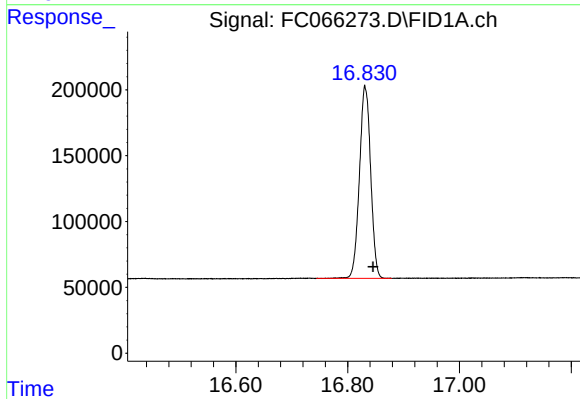
#14 n-Tetracosane (C24)

R.T.: 14.860 min
Delta R.T.: -0.013 min
Response: 2085385
Conc: 17.87 ug/ml



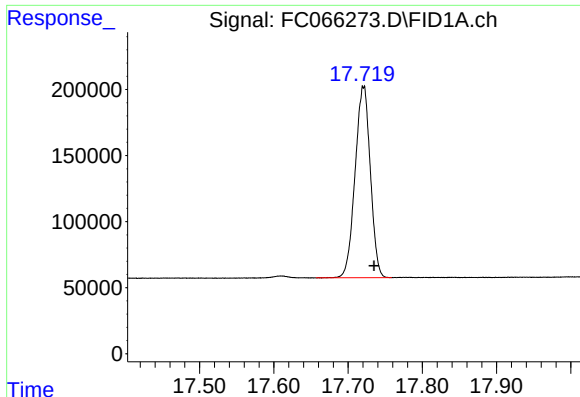
#15 n-Hexacosane (C26)

R.T.: 15.882 min
Delta R.T.: -0.013 min
Response: 2057645
Conc: 17.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.832 min
Delta R.T.: -0.014 min
Response: 2032317
Conc: 17.93 ug/ml



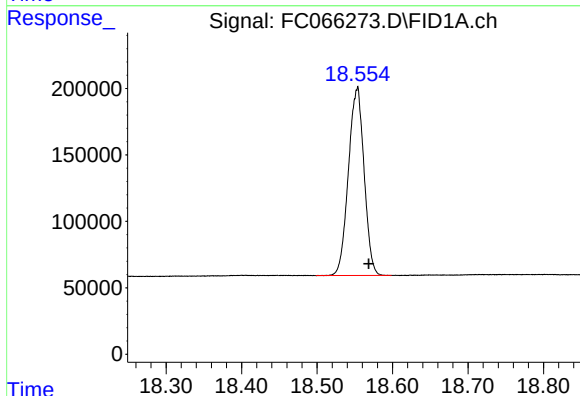
#17 n-Tricontane (C30)

R.T.: 17.721 min
Delta R.T.: -0.014 min
Response: 2066933
Conc: 17.84 ug/ml

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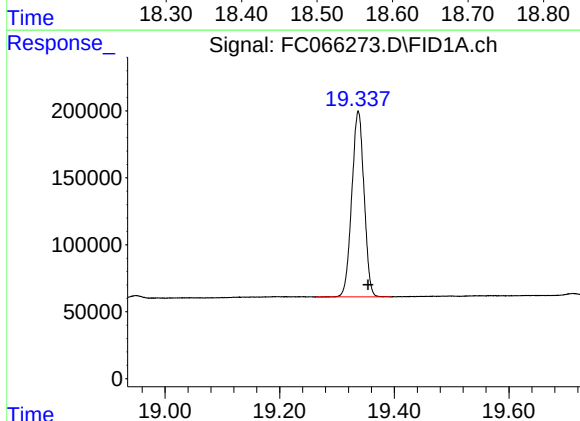
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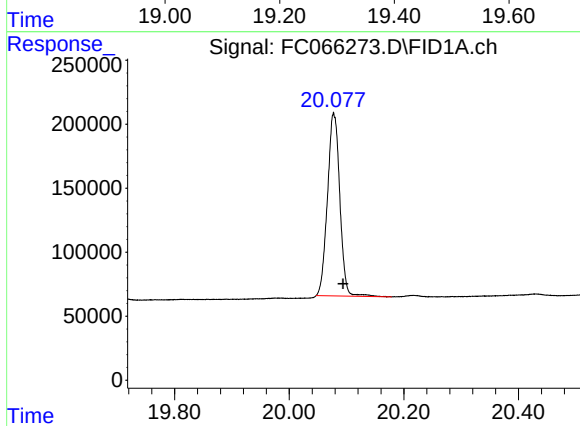
#18 n-Dotriacontane (C32)

R.T.: 18.553 min
Delta R.T.: -0.015 min
Response: 2041752
Conc: 17.78 ug/ml



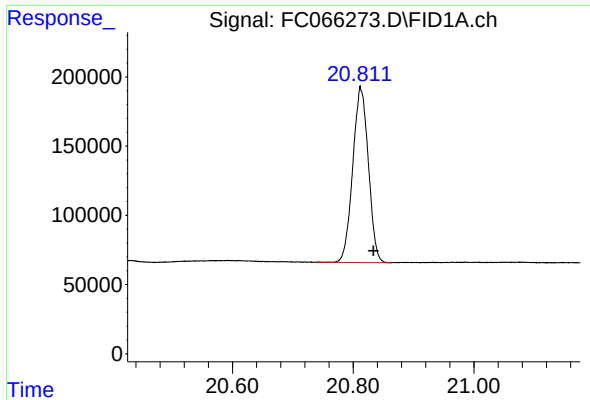
#19 n-Tetratriacontane (C34)

R.T.: 19.337 min
Delta R.T.: -0.017 min
Response: 2060479
Conc: 18.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.078 min
Delta R.T.: -0.016 min
Response: 2138357
Conc: 20.72 ug/ml



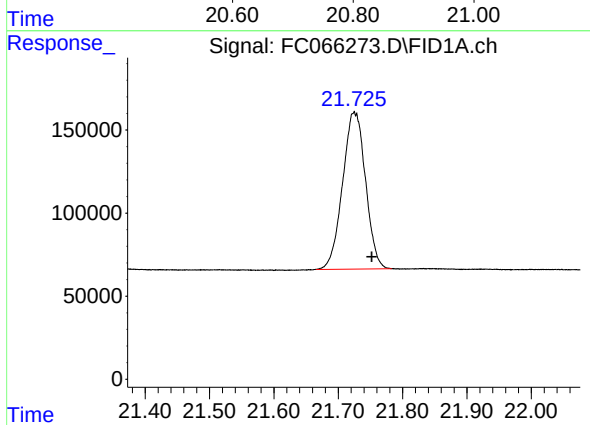
#21 n-Octatriacontane (C38)

R.T.: 20.813 min
Delta R.T.: -0.021 min
Response: 2272010
Conc: 23.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.725 min
Delta R.T.: -0.027 min
Response: 2339805
Conc: 25.86 ug/ml m