

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050621AL\
 Data File : FC053562.D
 Signal(s) : FID1A.CH
 Acq On : 07 May 2021 8:05
 Operator : DD\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

Ankita
 5/10/2021 10:22:36 AM

Integration File: autoint1.e
 Quant Time: May 07 08:33:01 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 050321.M
 Quant Title : GC Extractables
 QLast Update : Tue May 04 11:44:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.531	2799792	20.223 ug/ml
Spiked Amount 50.000		Recovery =	40.45%
12) S 1-chlorooctadecane (S...	12.972	2226074	19.959 ug/ml
Spiked Amount 50.000		Recovery =	39.92%
Target Compounds			
1) T n-Nonane (C9)	3.290	2409394	20.399 ug/ml
2) T n-Decane (C10)	4.355	2440269	20.608 ug/ml
3) T A~Naphthalene (C11.7)	5.938	2706279	20.769 ug/ml
4) T n-Dodecane (C12)	6.374	2492170	20.596 ug/ml
5) T A~2-methylnaphthalene...	6.996	2766576	20.925 ug/ml
6) T n-Tetradecane (C14)	8.171	2533081	20.794 ug/ml
7) T n-Hexadecane (C16)	9.774	2519840	20.574 ug/ml
8) T n-Octadecane (C18)	11.217	2638442	20.259 ug/ml
10) T n-Eicosane (C20)	12.528	2653319	20.046 ug/ml
11) T n-Heneicosane (C21)	13.141	2651409	19.964 ug/ml
13) T n-Docosane (C22)	13.728	2641776	19.861 ug/ml
14) T n-Tetracosane (C24)	14.831	2603306	19.503 ug/ml
15) T n-Hexacosane (C26)	15.853	2519852	19.059 ug/ml
16) T n-Octacosane (C28)	16.804	2437404	18.620 ug/ml
17) T n-Tricontane (C30)	17.692	2343762	17.969 ug/ml
18) T n-Dotriacontane (C32)	18.526	2207282	17.493 ug/ml
19) T n-Tetratriacontane (C34)	19.310	2082947	17.096 ug/mlm
20) T n-Hexatriacontane (C36)	20.049	1958742	16.753 ug/ml
21) T n-Octatriacontane (C38)	20.780	1840210	17.888 ug/ml
22) T n-Tetracontane (C40)	21.677	1907248	19.140 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

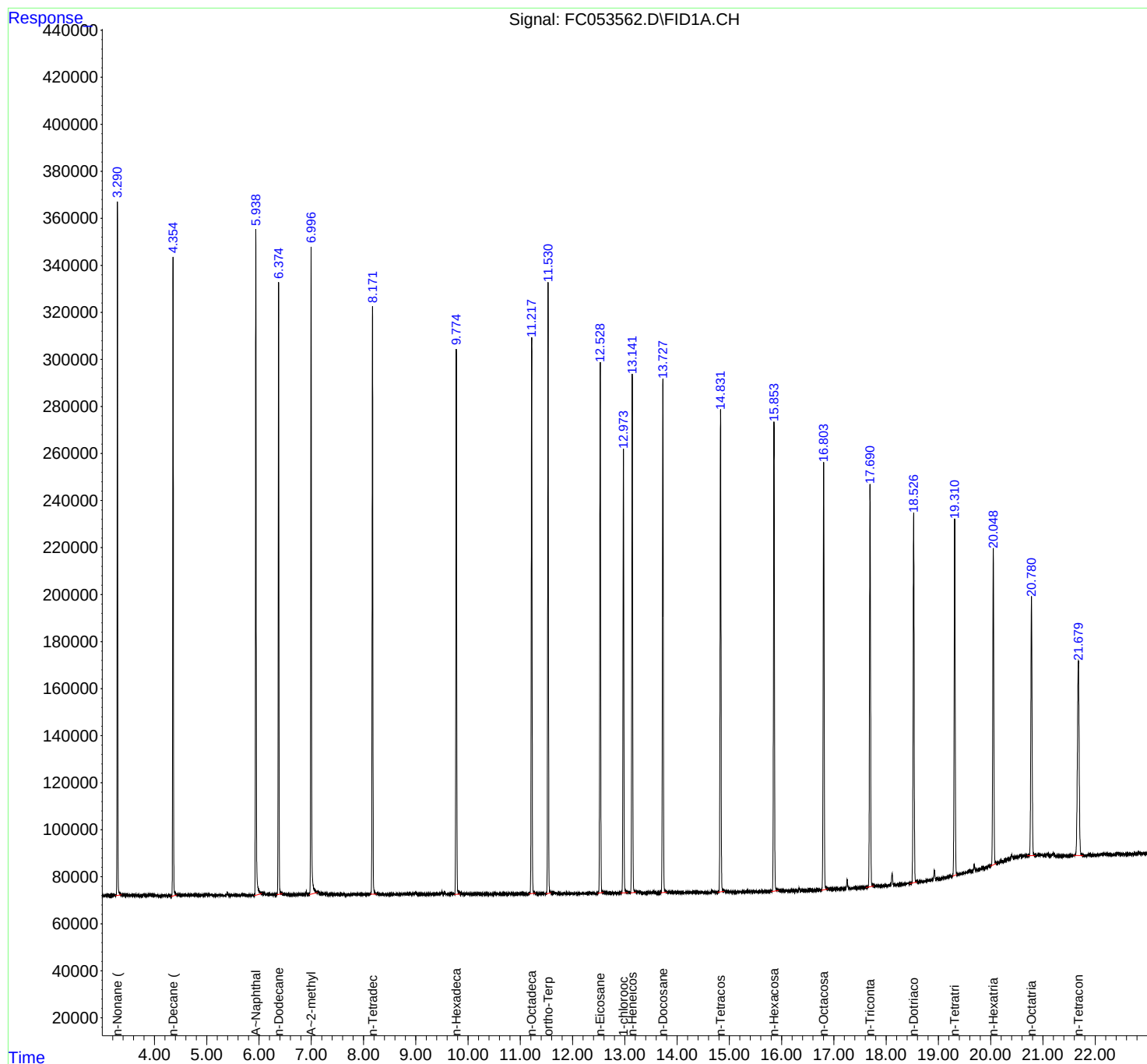
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

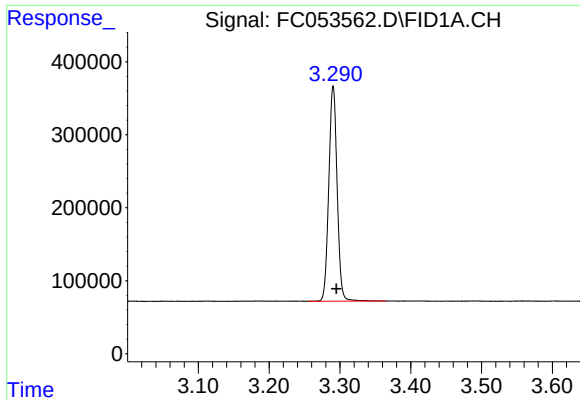
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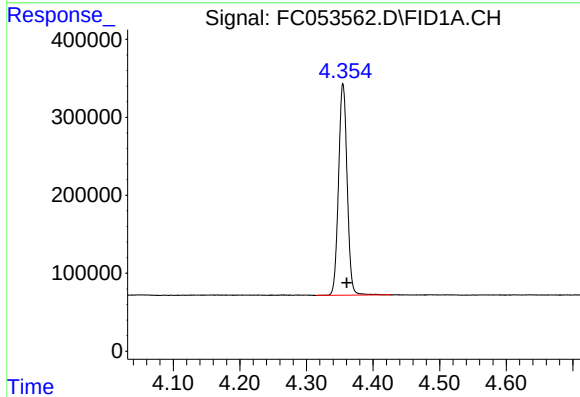
#1 n-Nonane (C9)

R.T.: 3.290 min
Delta R.T.: -0.005 min
Response: 2409394
Conc: 20.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

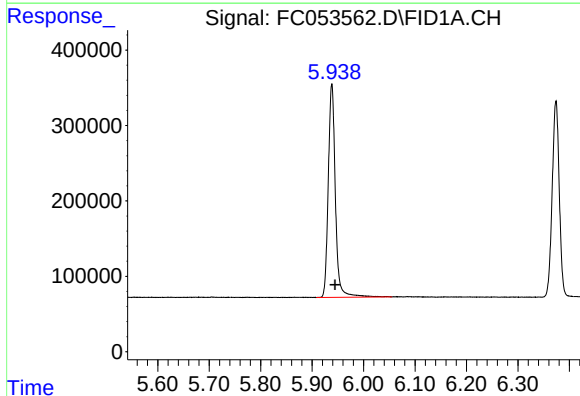
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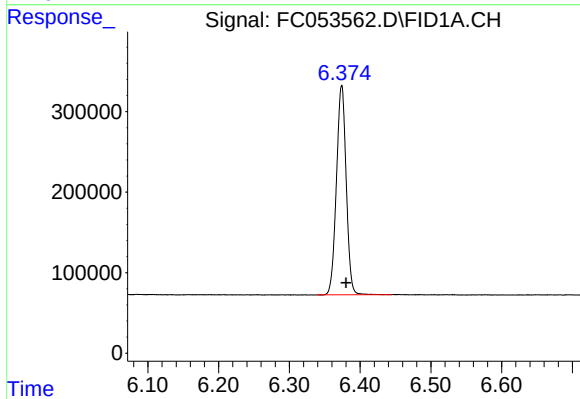
#2 n-Decane (C10)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 2440269
Conc: 20.61 ug/ml



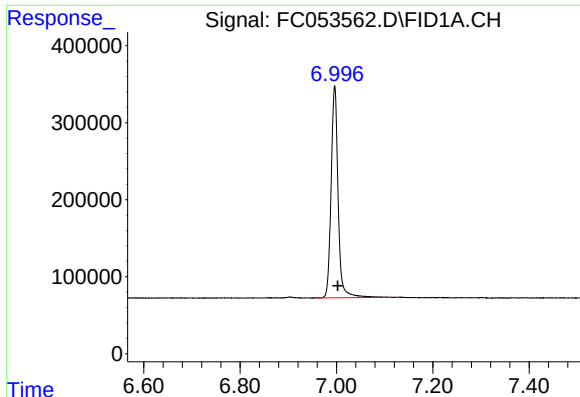
#3 A~Naphthalene (C11.7)

R.T.: 5.938 min
Delta R.T.: -0.006 min
Response: 2706279
Conc: 20.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.374 min
Delta R.T.: -0.006 min
Response: 2492170
Conc: 20.60 ug/ml



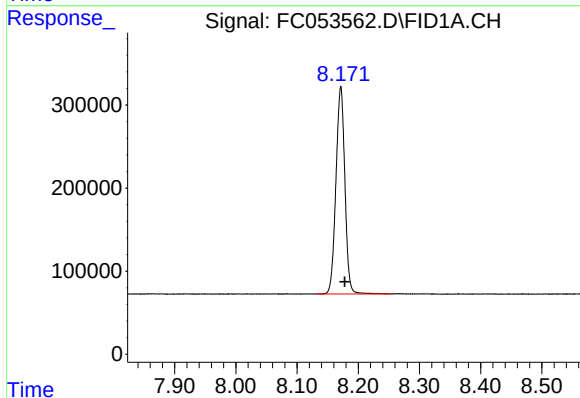
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.996 min
Delta R.T.: -0.007 min
Response: 2766576
Conc: 20.93 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

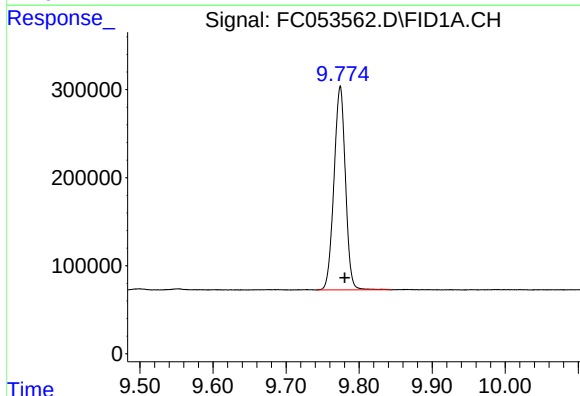
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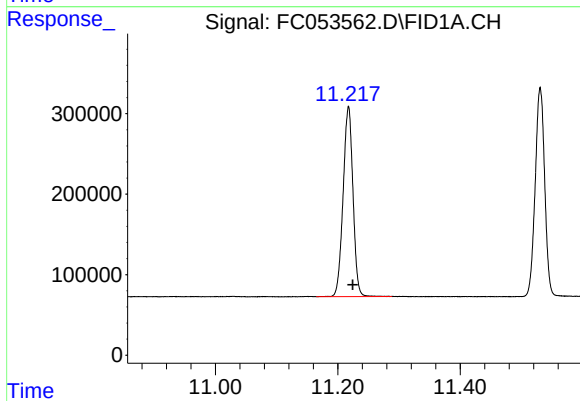
#6 n-Tetradecane (C14)

R.T.: 8.171 min
Delta R.T.: -0.006 min
Response: 2533081
Conc: 20.79 ug/ml



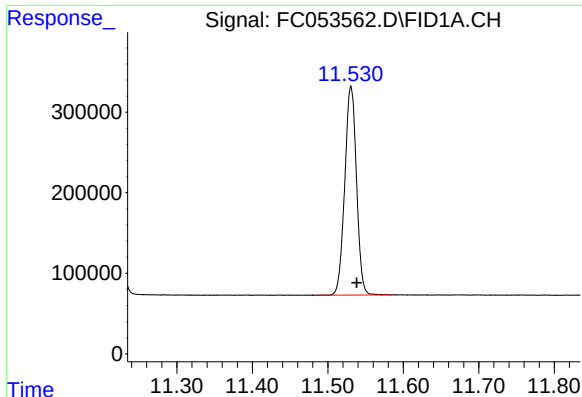
#7 n-Hexadecane (C16)

R.T.: 9.774 min
Delta R.T.: -0.006 min
Response: 2519840
Conc: 20.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.217 min
Delta R.T.: -0.007 min
Response: 2638442
Conc: 20.26 ug/ml



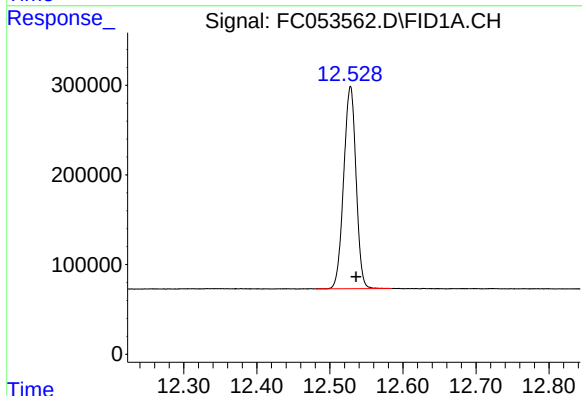
#9 ortho-Terphenyl (SURR)

R.T.: 11.531 min
Delta R.T.: -0.007 min
Response: 2799792
Conc: 20.22 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

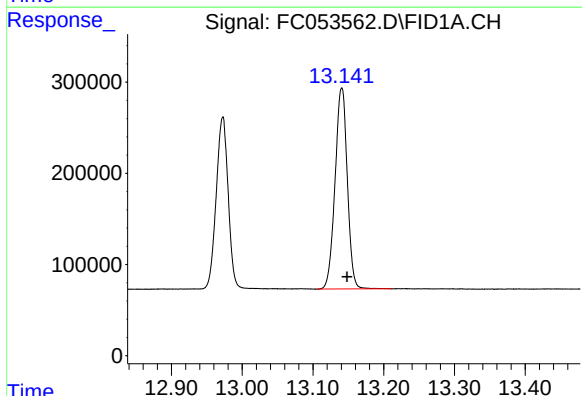
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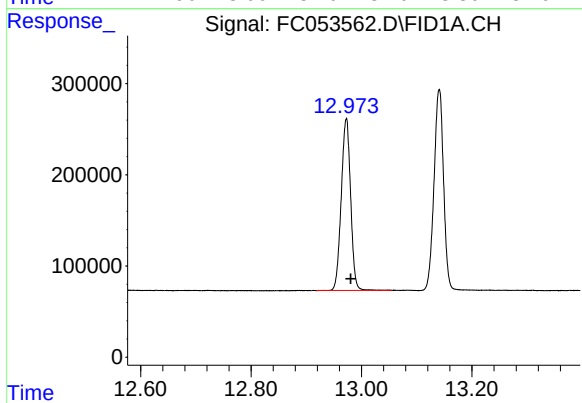
#10 n-Eicosane (C20)

R.T.: 12.528 min
Delta R.T.: -0.008 min
Response: 2653319
Conc: 20.05 ug/ml



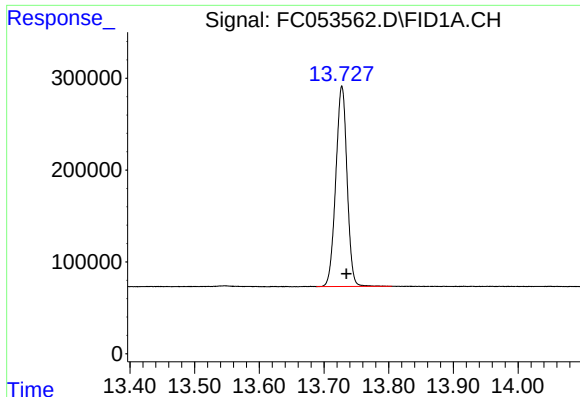
#11 n-Heneicosane (C21)

R.T.: 13.141 min
Delta R.T.: -0.008 min
Response: 2651409
Conc: 19.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.972 min
Delta R.T.: -0.008 min
Response: 2226074
Conc: 19.96 ug/ml



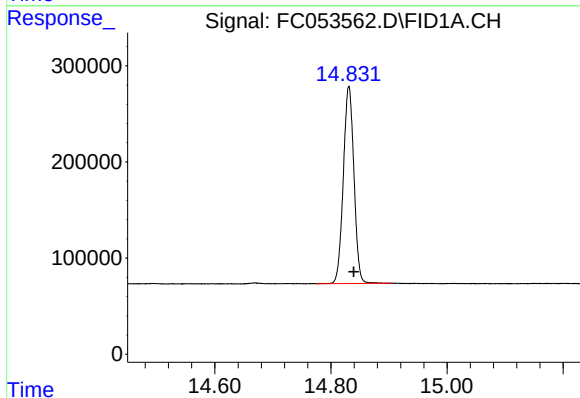
#13 n-Docosane (C22)

R.T.: 13.728 min
Delta R.T.: -0.007 min
Response: 2641776
Conc: 19.86 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

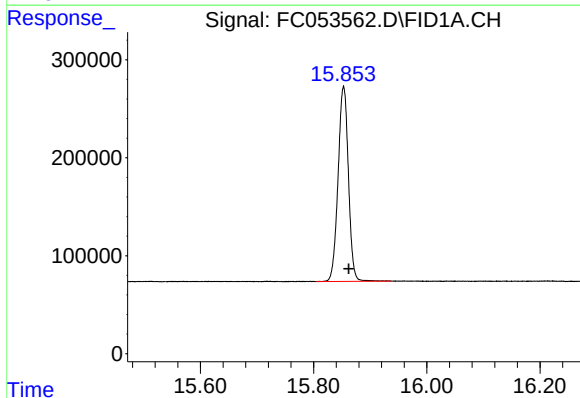
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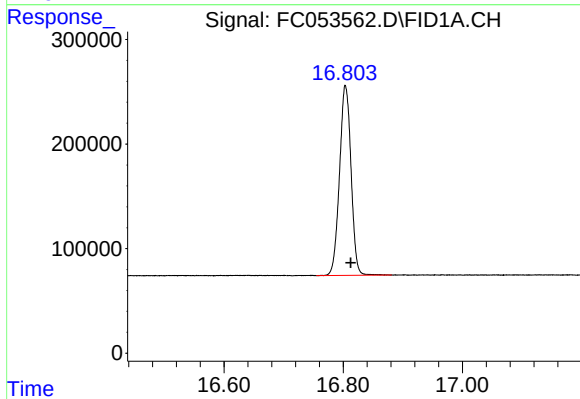
#14 n-Tetracosane (C24)

R.T.: 14.831 min
Delta R.T.: -0.009 min
Response: 2603306
Conc: 19.50 ug/ml



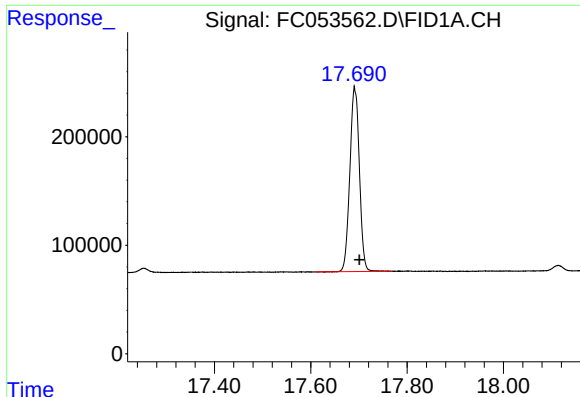
#15 n-Hexacosane (C26)

R.T.: 15.853 min
Delta R.T.: -0.009 min
Response: 2519852
Conc: 19.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.804 min
Delta R.T.: -0.008 min
Response: 2437404
Conc: 18.62 ug/ml



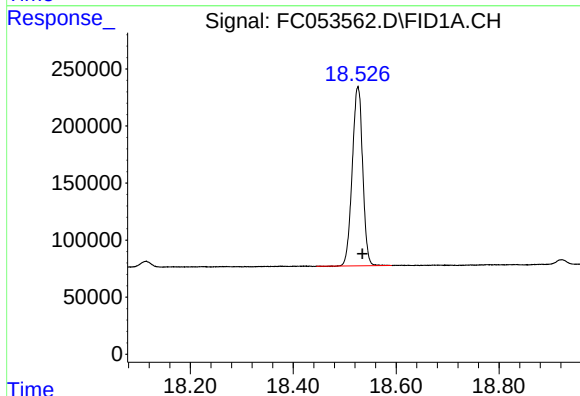
#17 n-Tricontane (C30)

R.T.: 17.692 min
Delta R.T.: -0.010 min
Response: 2343762
Conc: 17.97 ug/ml

Instrument :
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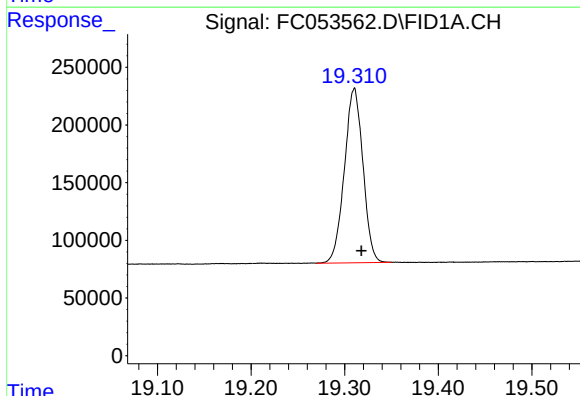
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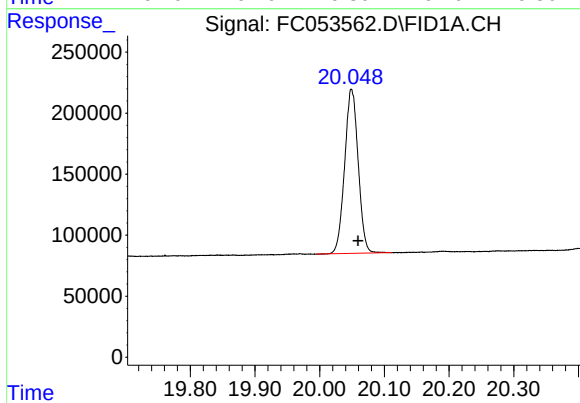
#18 n-Dotriacontane (C32)

R.T.: 18.526 min
Delta R.T.: -0.009 min
Response: 2207282
Conc: 17.49 ug/ml



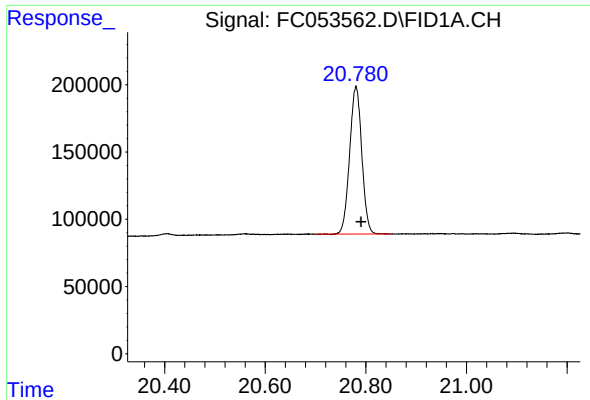
#19 n-Tetratriacontane (C34)

R.T.: 19.310 min
Delta R.T.: -0.008 min
Response: 2082947
Conc: 17.10 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.049 min
Delta R.T.: -0.010 min
Response: 1958742
Conc: 16.75 ug/ml



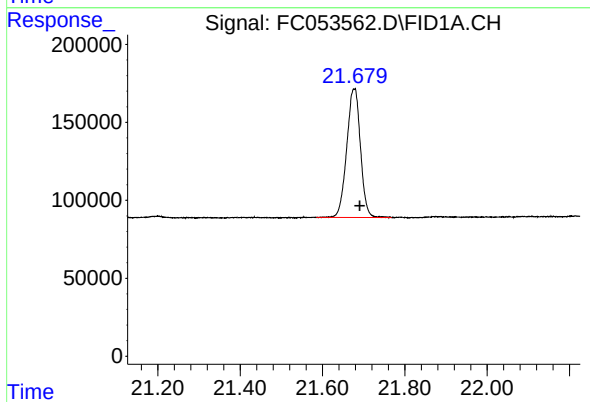
#21 n-Octatriacontane (C38)

R.T.: 20.780 min
Delta R.T.: -0.010 min
Response: 1840210
Conc: 17.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.677 min
Delta R.T.: -0.013 min
Response: 1907248
Conc: 19.14 ug/ml