

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030821AL\
 Data File : FC052310.D
 Signal(s) : FID1A.CH
 Acq On : 08 Mar 2021 22:18
 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

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 3/9/2021 2:04:44 PM

Integration File: autoint1.e
 Quant Time: Mar 09 02:58:41 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 030321.M
 Quant Title : GC Extractables
 QLast Update : Thu Mar 04 03:56:17 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)	11.610	2457797	18.637 ug/ml
Spiked Amount 50.000		Recovery =	37.27%
12) S 1-chlorooctadecane (S...	13.047	1927732	18.536 ug/ml
Spiked Amount 50.000		Recovery =	37.07%
Target Compounds			
1) T n-Nonane (C9)	3.353	2325035	19.725 ug/ml
2) T n-Decane (C10)	4.422	2343813	19.735 ug/ml
3) T A~Naphthalene (C11.7)	6.012	2620121	19.733 ug/ml
4) T n-Dodecane (C12)	6.446	2375348	19.649 ug/ml
5) T A~2-methylnaphthalene...	7.072	2664511	19.630 ug/ml
6) T n-Tetradecane (C14)	8.244	2362333	19.484 ug/ml
7) T n-Hexadecane (C16)	9.848	2307016	19.281 ug/ml
8) T n-Octadecane (C18)	11.291	2352572	19.005 ug/ml
10) T n-Eicosane (C20)	12.601	2301092	18.675 ug/ml
11) T n-Heneicosane (C21)	13.214	2263270	18.540 ug/ml
13) T n-Docosane (C22)	13.801	2211660	18.381 ug/ml
14) T n-Tetracosane (C24)	14.903	2092765	17.951 ug/ml
15) T n-Hexacosane (C26)	15.925	1951095	17.761 ug/ml
16) T n-Octacosane (C28)	16.875	1834648	17.899 ug/ml
17) T n-Tricontane (C30)	17.761	1736356	18.444 ug/ml
18) T n-Dotriacontane (C32)	18.596	1654059	19.372 ug/ml
19) T n-Tetratriacontane (C34)	19.379	1615018	20.831 ug/ml
20) T n-Hexatriacontane (C36)	20.119	1575964	21.932 ug/mlm
21) T n-Octatriacontane (C38)	20.860	1534803	22.406 ug/ml
22) T n-Tetracontane (C40)	21.782	1608588	22.369 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

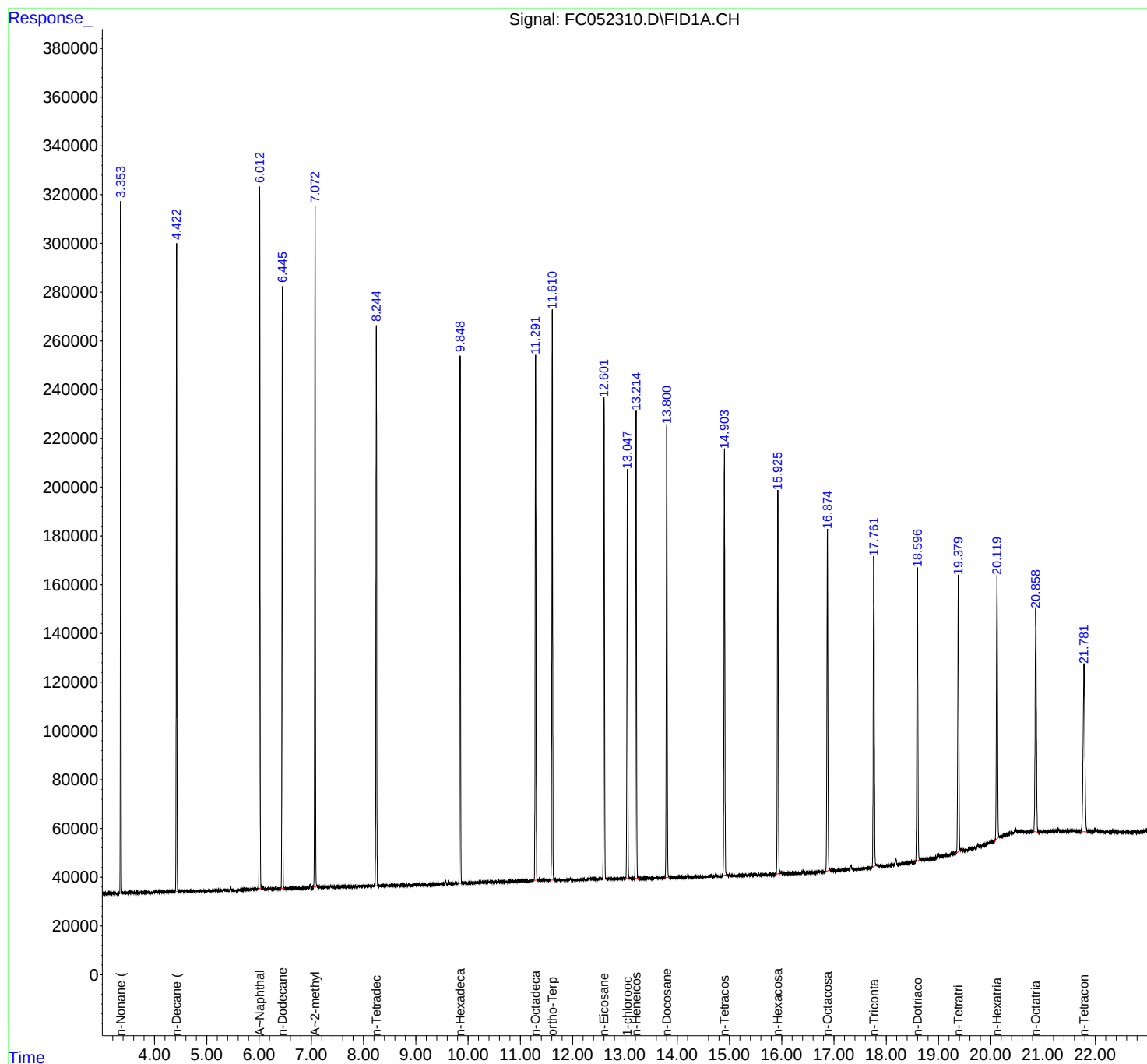
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

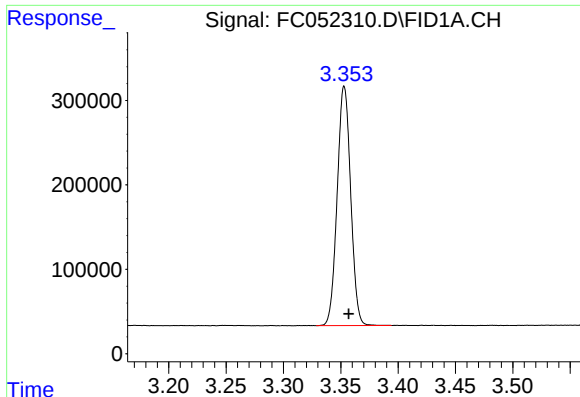
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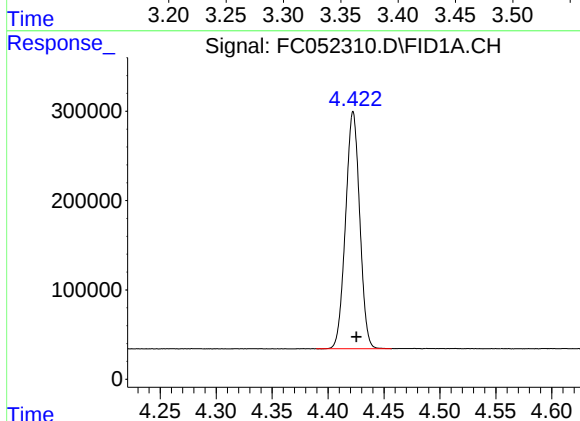
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: -0.004 min
Response: 2325035
Conc: 19.72 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

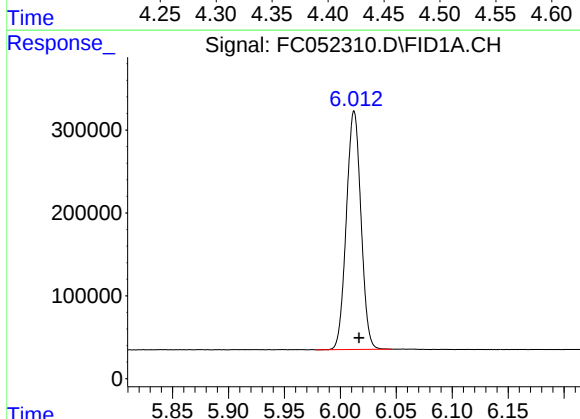
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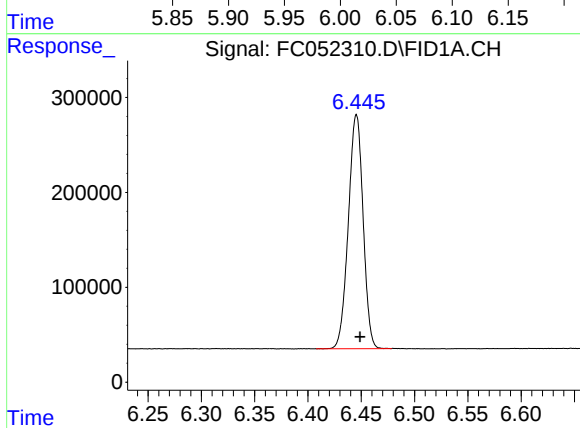
#2 n-Decane (C10)

R.T.: 4.422 min
Delta R.T.: -0.003 min
Response: 2343813
Conc: 19.73 ug/ml



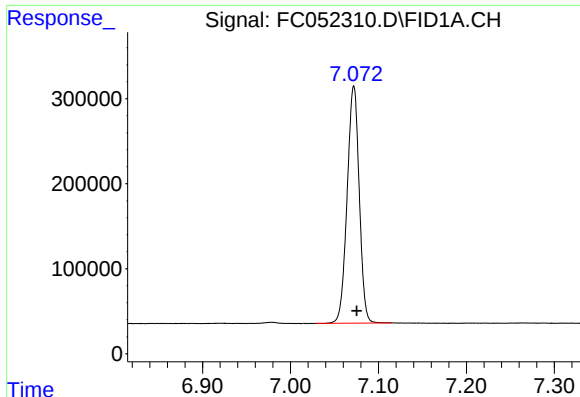
#3 A~Naphthalene (C11.7)

R.T.: 6.012 min
Delta R.T.: -0.004 min
Response: 2620121
Conc: 19.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.446 min
Delta R.T.: -0.003 min
Response: 2375348
Conc: 19.65 ug/ml



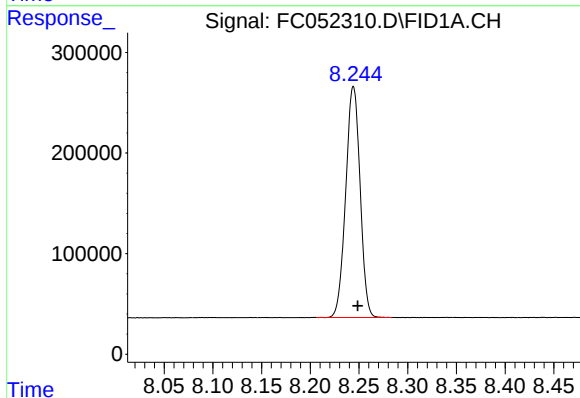
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.072 min
Delta R.T.: -0.003 min
Response: 2664511
Conc: 19.63 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

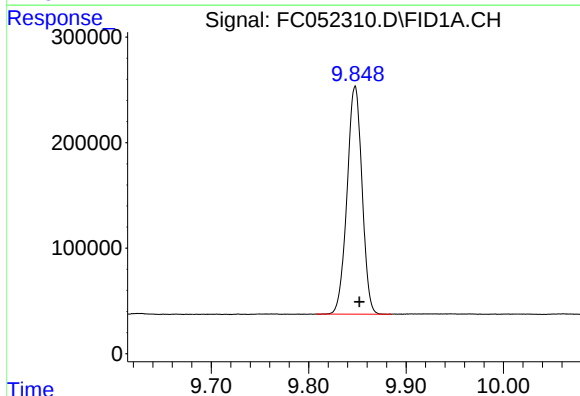
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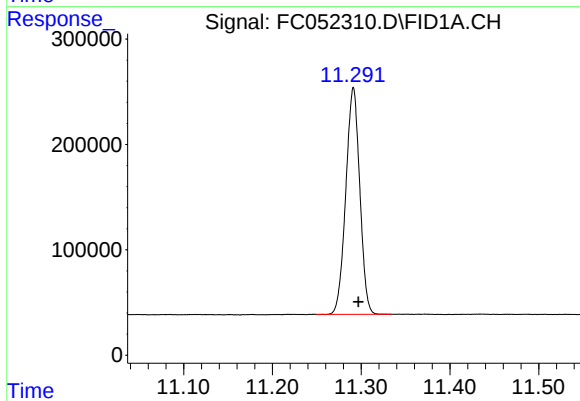
#6 n-Tetradecane (C14)

R.T.: 8.244 min
Delta R.T.: -0.005 min
Response: 2362333
Conc: 19.48 ug/ml



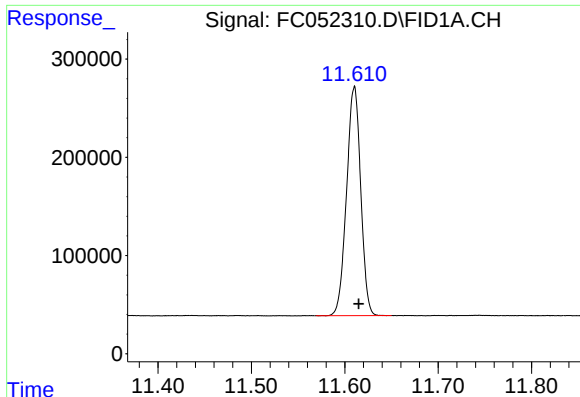
#7 n-Hexadecane (C16)

R.T.: 9.848 min
Delta R.T.: -0.004 min
Response: 2307016
Conc: 19.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.291 min
Delta R.T.: -0.005 min
Response: 2352572
Conc: 19.01 ug/ml



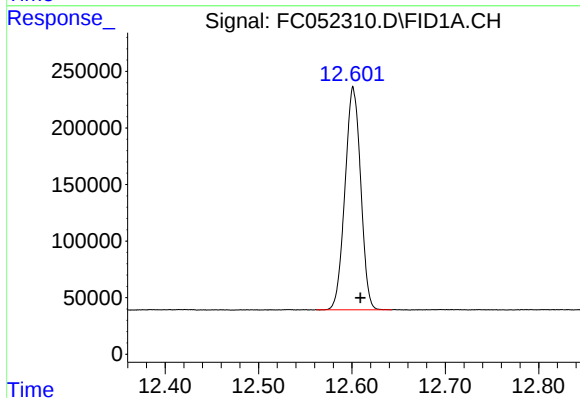
#9 ortho-Terphenyl (SURR)

R.T.: 11.610 min
Delta R.T.: -0.005 min
Response: 2457797
Conc: 18.64 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

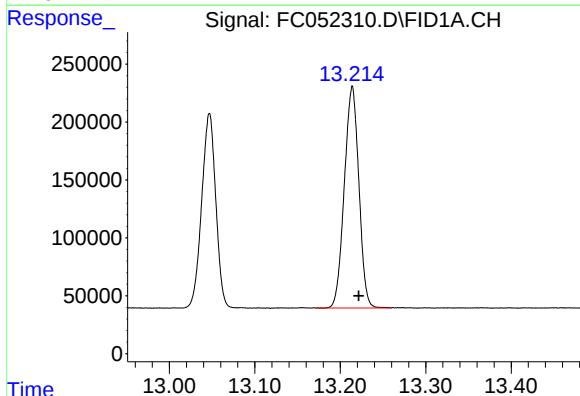
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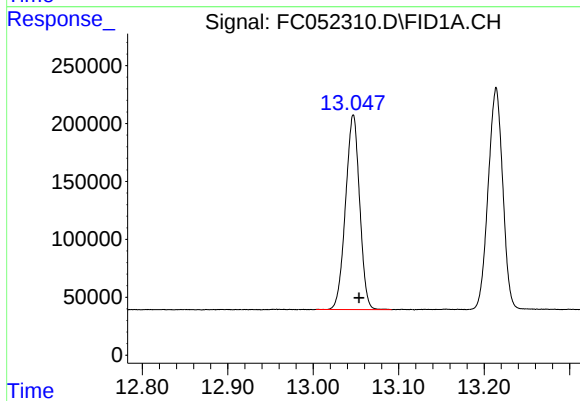
#10 n-Eicosane (C20)

R.T.: 12.601 min
Delta R.T.: -0.008 min
Response: 2301092
Conc: 18.67 ug/ml



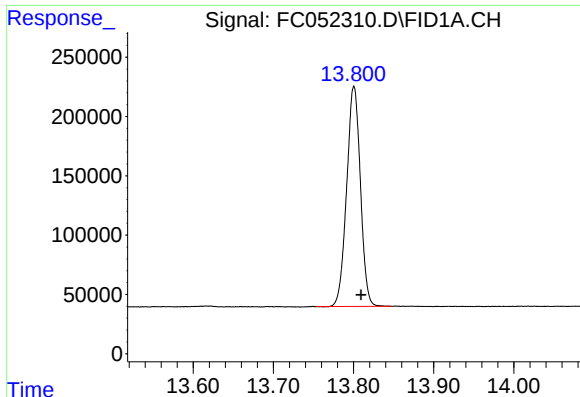
#11 n-Heneicosane (C21)

R.T.: 13.214 min
Delta R.T.: -0.008 min
Response: 2263270
Conc: 18.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.047 min
Delta R.T.: -0.007 min
Response: 1927732
Conc: 18.54 ug/ml



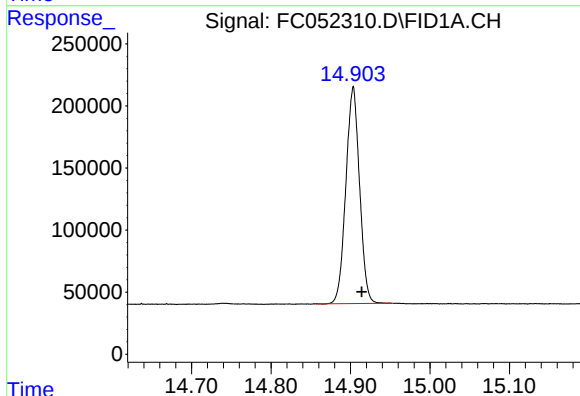
#13 n-Docosane (C22)

R.T.: 13.801 min
Delta R.T.: -0.009 min
Response: 2211660
Conc: 18.38 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

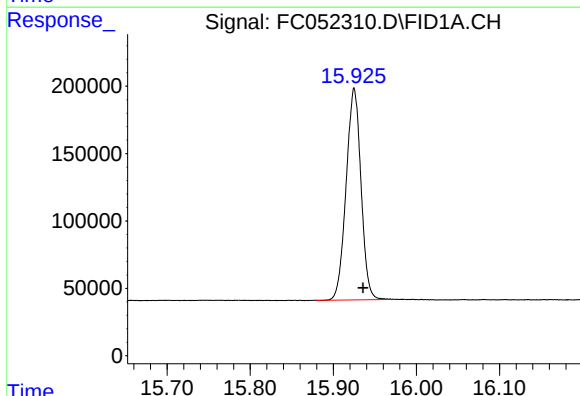
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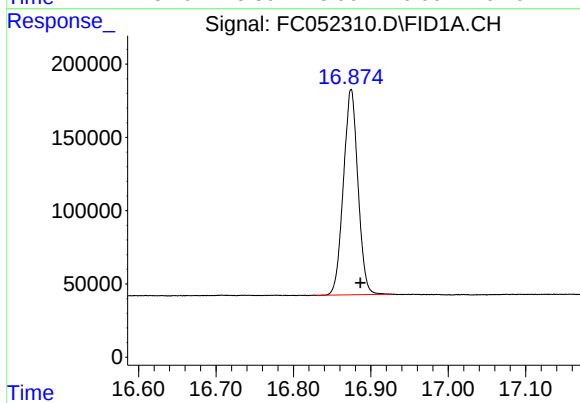
#14 n-Tetracosane (C24)

R.T.: 14.903 min
Delta R.T.: -0.011 min
Response: 2092765
Conc: 17.95 ug/ml



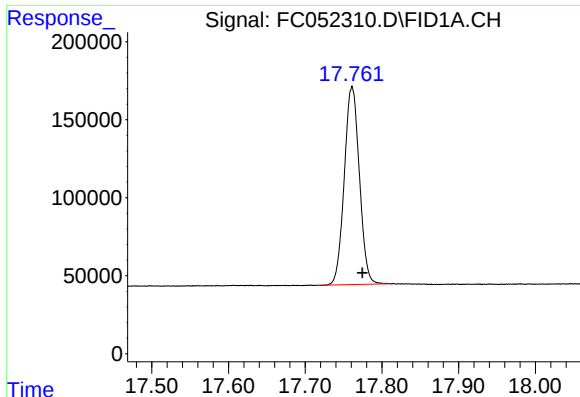
#15 n-Hexacosane (C26)

R.T.: 15.925 min
Delta R.T.: -0.011 min
Response: 1951095
Conc: 17.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.875 min
Delta R.T.: -0.012 min
Response: 1834648
Conc: 17.90 ug/ml



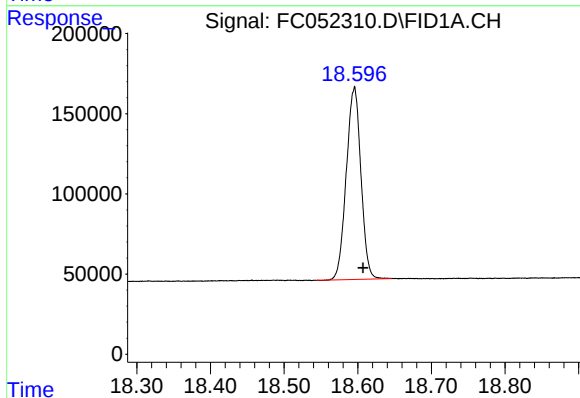
#17 n-Tricontane (C30)

R.T.: 17.761 min
Delta R.T.: -0.014 min
Response: 1736356
Conc: 18.44 ug/ml

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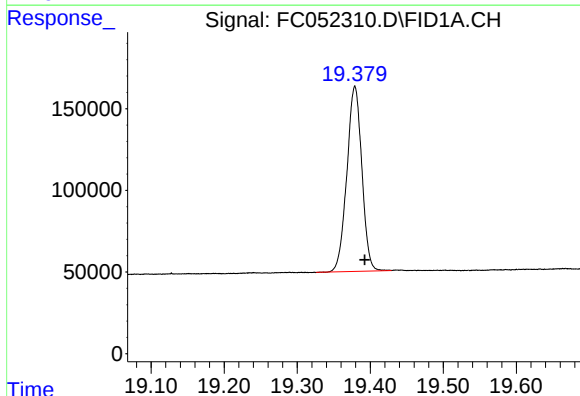
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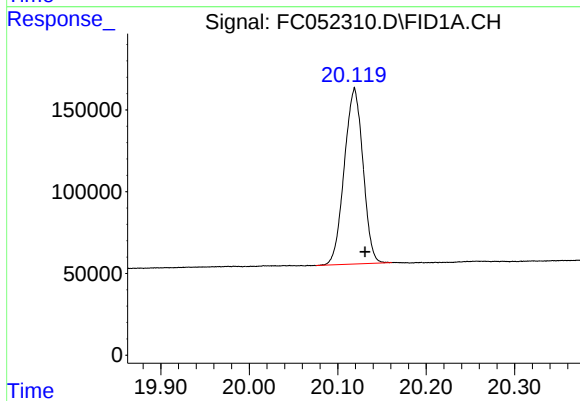
#18 n-Dotriacontane (C32)

R.T.: 18.596 min
Delta R.T.: -0.012 min
Response: 1654059
Conc: 19.37 ug/ml



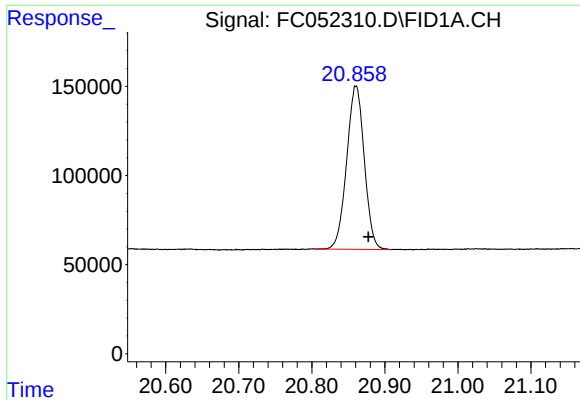
#19 n-Tetratriacontane (C34)

R.T.: 19.379 min
Delta R.T.: -0.013 min
Response: 1615018
Conc: 20.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.119 min
Delta R.T.: -0.012 min
Response: 1575964
Conc: 21.93 ug/ml m



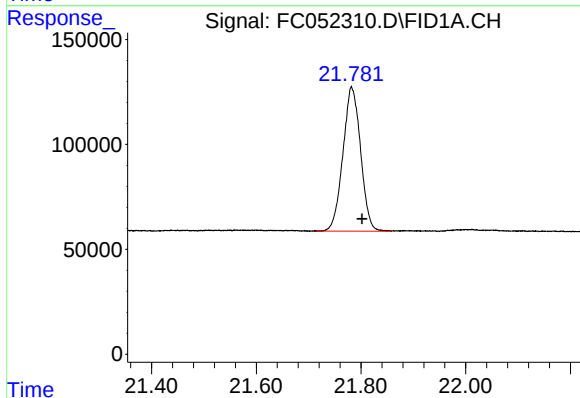
#21 n-Octatriacontane (C38)

R.T.: 20.860 min
Delta R.T.: -0.017 min
Response: 1534803
Conc: 22.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.782 min
Delta R.T.: -0.021 min
Response: 1608588
Conc: 22.37 ug/ml