

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041521AL\
 Data File : FC053217.D
 Signal(s) : FID1A.CH
 Acq On : 16 Apr 2021 10:26
 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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 4/16/2021 11:10:46 AM

Integration File: autoint1.e
 Quant Time: Apr 16 10:51:34 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 040821.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 09 09:23:51 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)	11.552	2663878	18.439 ug/ml
Spiked Amount 50.000		Recovery =	36.88%
12) S 1-chlorooctadecane (S...	12.993	2112614	18.284 ug/ml
Spiked Amount 50.000		Recovery =	36.57%
Target Compounds			
1) T n-Nonane (C9)	3.307	2467218	19.713 ug/ml
2) T n-Decane (C10)	4.373	2499977	19.858 ug/ml
3) T A~Naphthalene (C11.7)	5.958	2748172	19.729 ug/ml
4) T n-Dodecane (C12)	6.393	2564825	20.026 ug/ml
5) T A~2-methylnaphthalene...	7.016	2796666	19.784 ug/ml
6) T n-Tetradecane (C14)	8.191	2565942	19.943 ug/ml
7) T n-Hexadecane (C16)	9.794	2507583	19.612 ug/ml
8) T n-Octadecane (C18)	11.237	2576088	19.048 ug/ml
10) T n-Eicosane (C20)	12.548	2532958	18.441 ug/ml
11) T n-Heneicosane (C21)	13.161	2486802	18.099 ug/ml
13) T n-Docosane (C22)	13.748	2439933	17.701 ug/ml
14) T n-Tetracosane (C24)	14.852	2336070	16.943 ug/ml
15) T n-Hexacosane (C26)	15.874	2206224	16.270 ug/ml
16) T n-Octacosane (C28)	16.825	2112907	15.851 ug/ml
17) T n-Tricontane (C30)	17.712	2040871	15.902 ug/ml
18) T n-Dotriacontane (C32)	18.545	1976899	16.547 ug/ml
19) T n-Tetratriacontane (C34)	19.329	1958995	17.688 ug/ml
20) T n-Hexatriacontane (C36)	20.070	1914881	18.976 ug/ml
21) T n-Octatriacontane (C38)	20.803	1868677	20.975 ug/ml
22) T n-Tetracontane (C40)	21.703	1925754	24.056 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 16 Apr 2021 10:26
Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

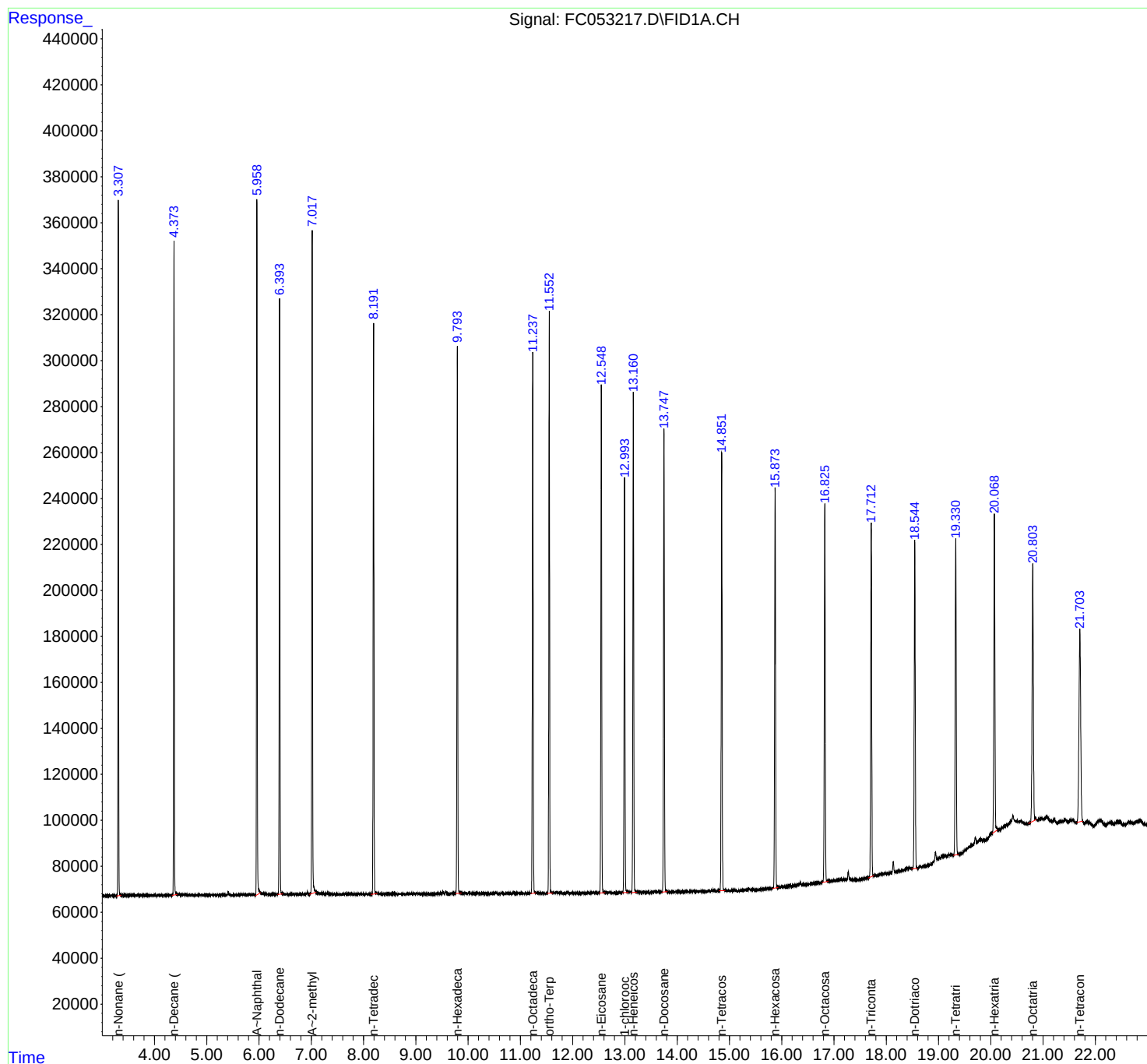
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

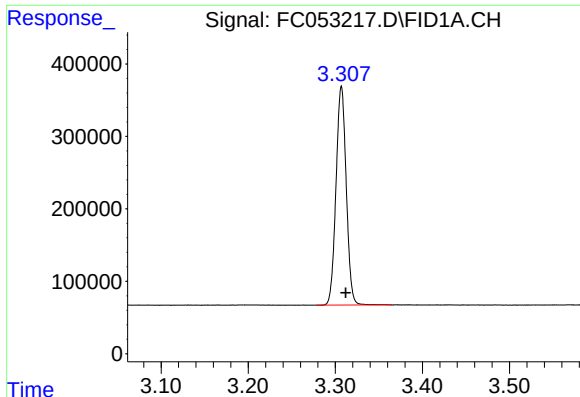
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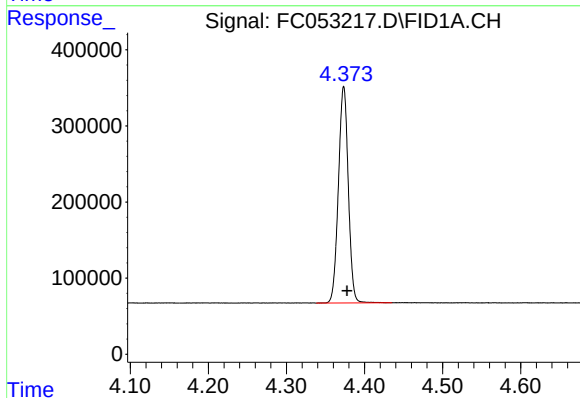
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.005 min
Response: 2467218
Conc: 19.71 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

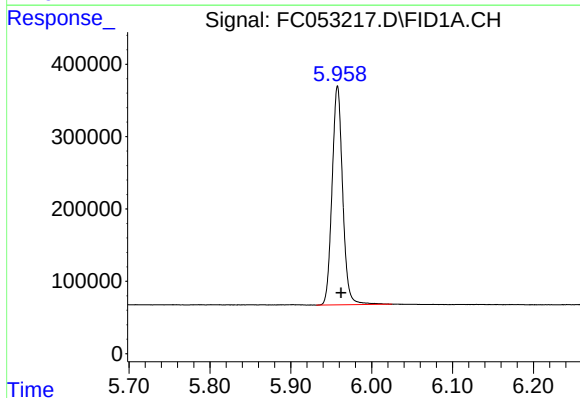
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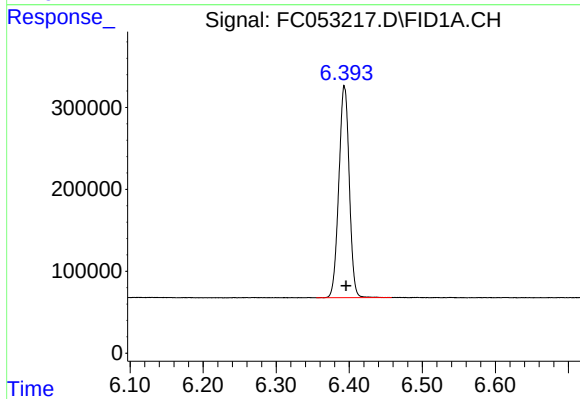
#2 n-Decane (C10)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 2499977
Conc: 19.86 ug/ml



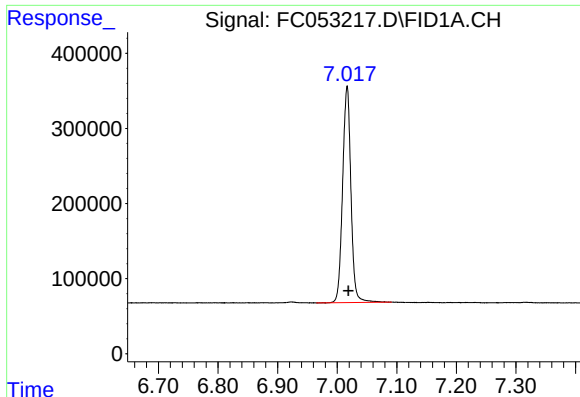
#3 A~Naphthalene (C11.7)

R.T.: 5.958 min
Delta R.T.: -0.005 min
Response: 2748172
Conc: 19.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.393 min
Delta R.T.: -0.002 min
Response: 2564825
Conc: 20.03 ug/ml



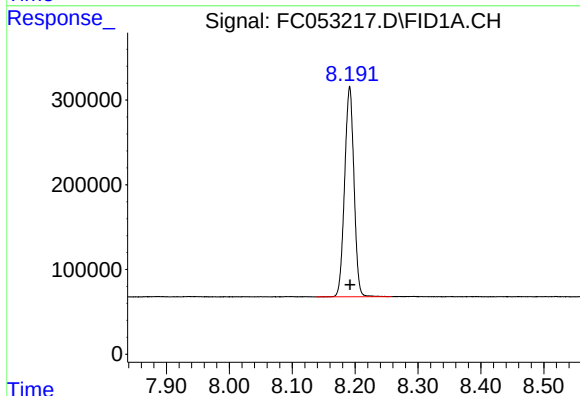
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.016 min
Delta R.T.: -0.002 min
Response: 2796666
Conc: 19.78 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

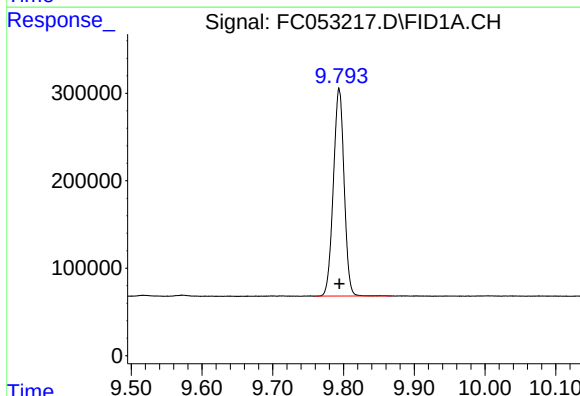
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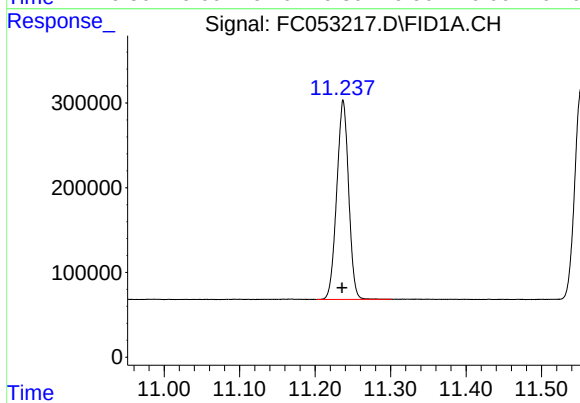
#6 n-Tetradecane (C14)

R.T.: 8.191 min
Delta R.T.: -0.001 min
Response: 2565942
Conc: 19.94 ug/ml



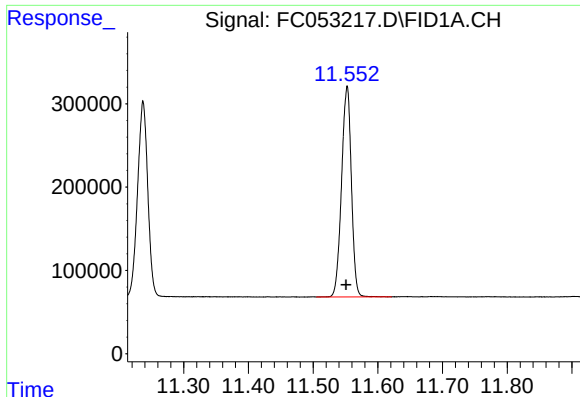
#7 n-Hexadecane (C16)

R.T.: 9.794 min
Delta R.T.: 0.000 min
Response: 2507583
Conc: 19.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.237 min
Delta R.T.: 0.001 min
Response: 2576088
Conc: 19.05 ug/ml



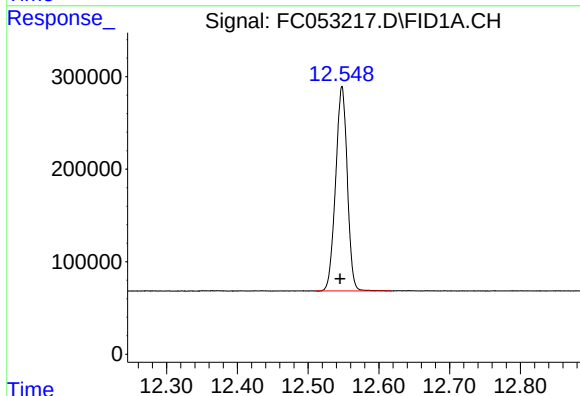
#9 ortho-Terphenyl (SURR)

R.T.: 11.552 min
Delta R.T.: 0.000 min
Response: 2663878
Conc: 18.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

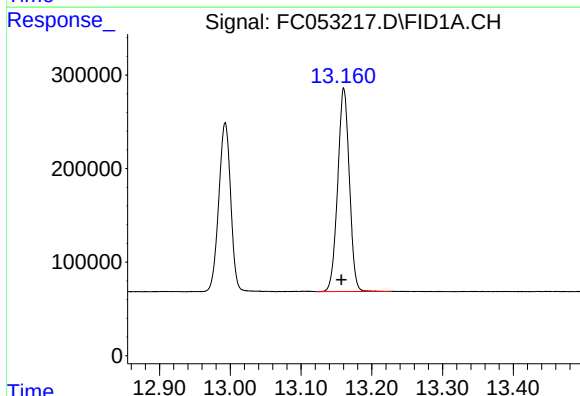
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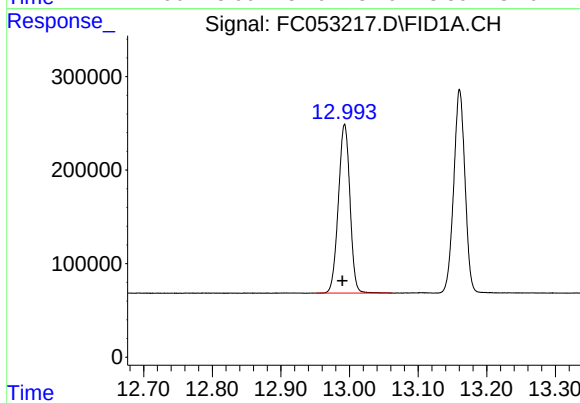
#10 n-Eicosane (C20)

R.T.: 12.548 min
Delta R.T.: 0.003 min
Response: 2532958
Conc: 18.44 ug/ml



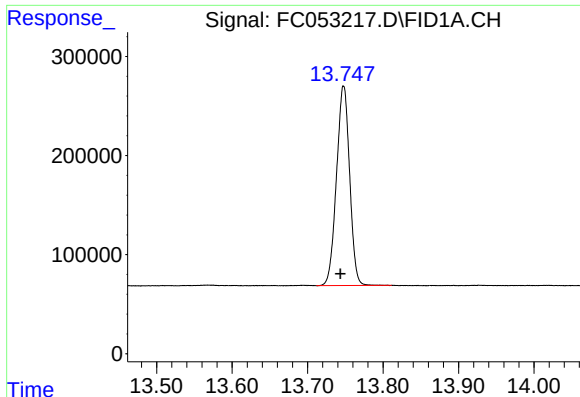
#11 n-Heneicosane (C21)

R.T.: 13.161 min
Delta R.T.: 0.004 min
Response: 2486802
Conc: 18.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.993 min
Delta R.T.: 0.003 min
Response: 2112614
Conc: 18.28 ug/ml



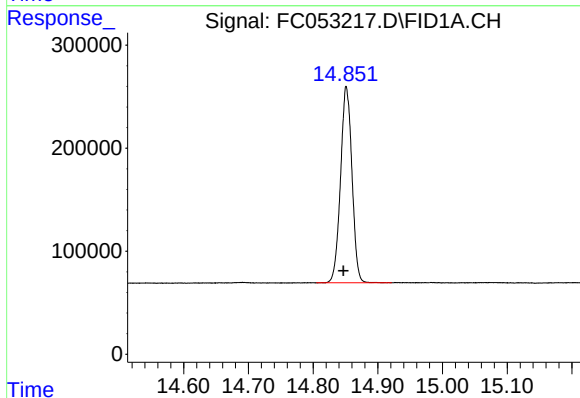
#13 n-Docosane (C22)

R.T.: 13.748 min
Delta R.T.: 0.004 min
Response: 2439933
Conc: 17.70 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

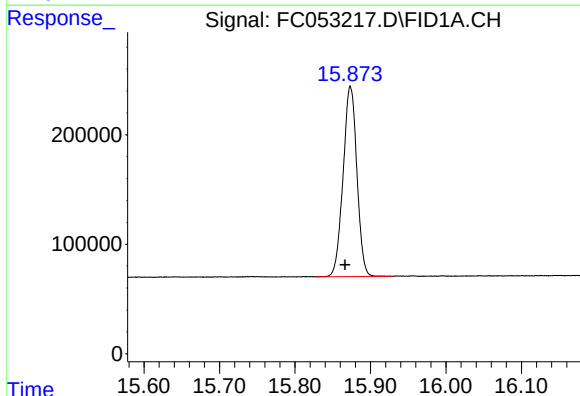
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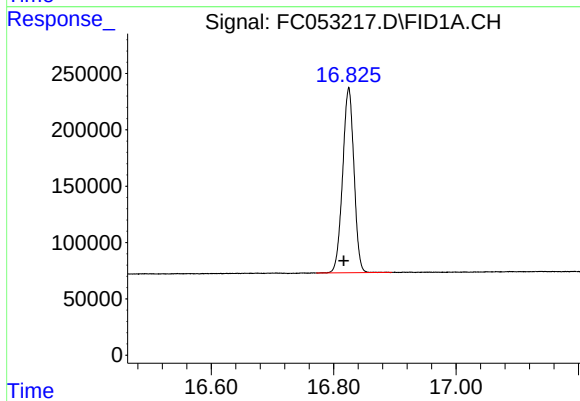
#14 n-Tetracosane (C24)

R.T.: 14.852 min
Delta R.T.: 0.005 min
Response: 2336070
Conc: 16.94 ug/ml



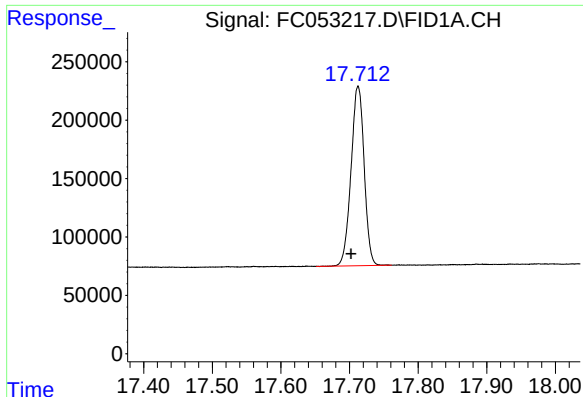
#15 n-Hexacosane (C26)

R.T.: 15.874 min
Delta R.T.: 0.007 min
Response: 2206224
Conc: 16.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.825 min
Delta R.T.: 0.008 min
Response: 2112907
Conc: 15.85 ug/ml



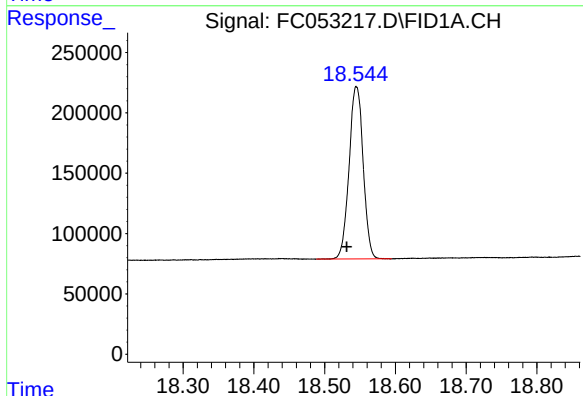
#17 n-Tricontane (C30)

R.T.: 17.712 min
Delta R.T.: 0.010 min
Response: 2040871
Conc: 15.90 ug/ml

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20 PPM ALIPHATIC HC STD

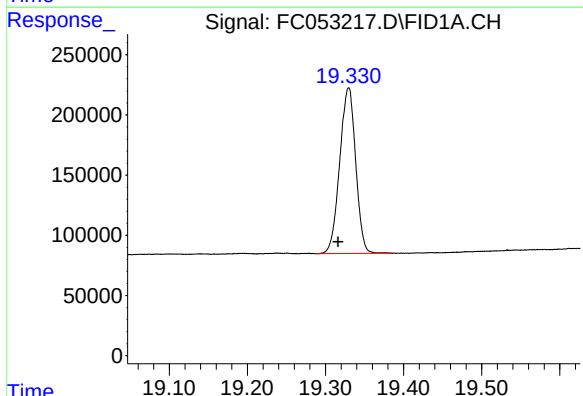
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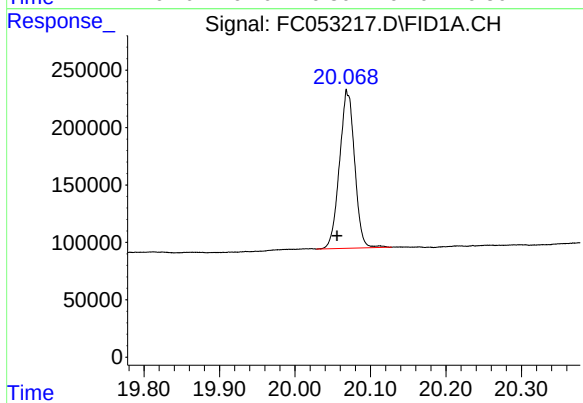
#18 n-Dotriacontane (C32)

R.T.: 18.545 min
Delta R.T.: 0.014 min
Response: 1976899
Conc: 16.55 ug/ml



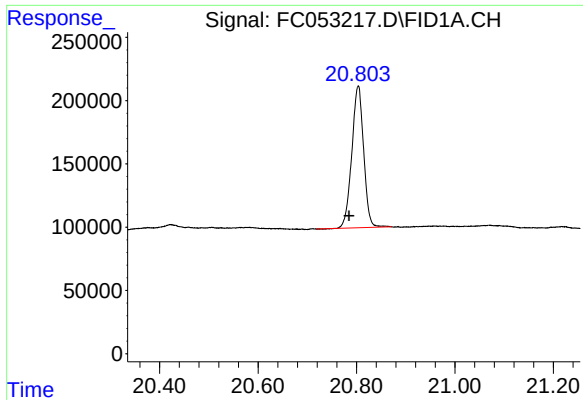
#19 n-Tetratriacontane (C34)

R.T.: 19.329 min
Delta R.T.: 0.013 min
Response: 1958995
Conc: 17.69 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.070 min
Delta R.T.: 0.014 min
Response: 1914881
Conc: 18.98 ug/ml



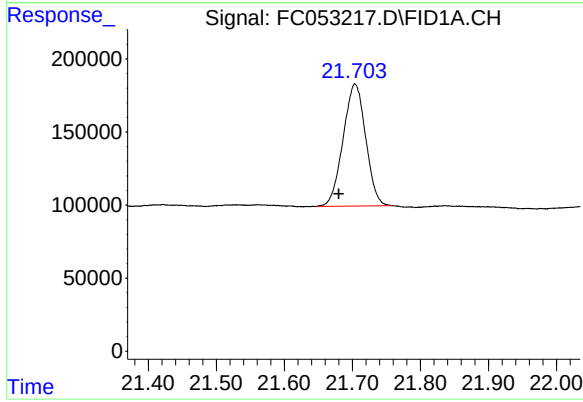
#21 n-Octatriacontane (C38)

R.T.: 20.803 min
Delta R.T.: 0.019 min
Response: 1868677
Conc: 20.97 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.703 min
Delta R.T.: 0.023 min
Response: 1925754
Conc: 24.06 ug/ml m