

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031022AL\
 Data File : FC058669.D
 Signal(s) : FID1A.CH
 Acq On : 10 Mar 2022 14:25
 Operator : UA/NP
 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 03/11/2022
 Supervised By :Ankita Jodhani 03/11/2022

Integration File: sample.E
 Quant Time: Mar 11 01:22:48 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 23 17:15:11 2022
 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)	11.396	2593132	17.804 ug/ml
Spiked Amount 50.000		Recovery =	35.61%
12) S 1-chlorooctadecane (S...	12.828	1970549	17.385 ug/ml
Spiked Amount 50.000		Recovery =	34.77%
Target Compounds			
1) T n-Nonane (C9)	3.250	2392157	19.893 ug/ml
2) T n-Decane (C10)	4.300	2380200	20.002 ug/ml
3) T A~Naphthalene (C11.7)	5.862	2526904	19.470 ug/ml
4) T n-Dodecane (C12)	6.295	2454226	19.950 ug/ml
5) T A~2-methylnaphthalene...	6.907	2529244	19.400 ug/ml
6) T n-Tetradecane (C14)	8.073	2468202	19.697 ug/ml
7) T n-Hexadecane (C16)	9.659	2459883	19.102 ug/ml
8) T n-Octadecane (C18)	11.090	2434963	18.504 ug/ml
10) T n-Eicosane (C20)	12.390	2352838	17.893 ug/ml
11) T n-Heneicosane (C21)	12.997	2340908	17.713 ug/ml
13) T n-Docosane (C22)	13.579	2290489	17.569 ug/ml
14) T n-Tetracosane (C24)	14.674	2207504	17.095 ug/ml
15) T n-Hexacosane (C26)	15.689	2136804	17.274 ug/ml
16) T n-Octacosane (C28)	16.635	2094226	17.594 ug/ml
17) T n-Tricontane (C30)	17.516	2087340	18.544 ug/ml
18) T n-Dotriacontane (C32)	18.345	2028979	18.869 ug/mlm
19) T n-Tetratriacontane (C34)	19.125	1915453	19.769 ug/ml
20) T n-Hexatriacontane (C36)	19.861	2020526	22.396 ug/ml
21) T n-Octatriacontane (C38)	20.565	2047897	23.533 ug/mlm
22) T n-Tetracontane (C40)	21.391	1857733	22.138 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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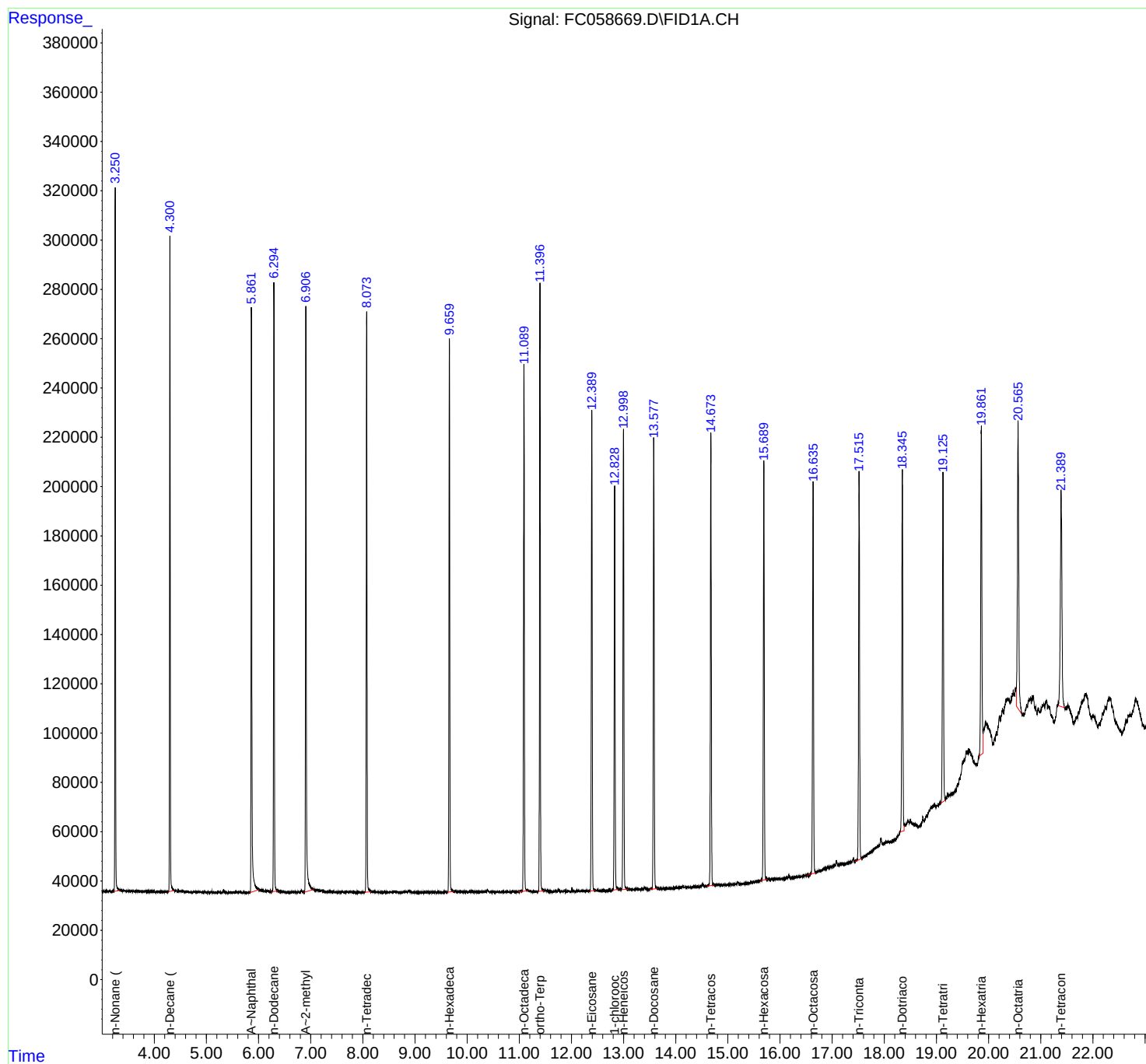
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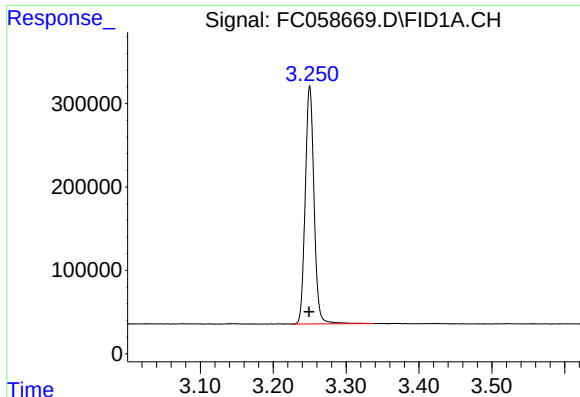
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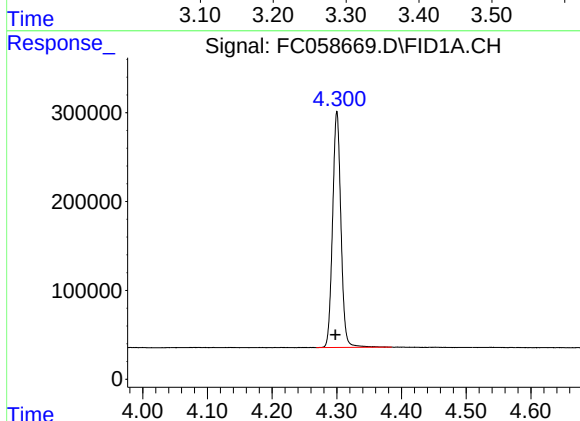
#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: 0.001 min
Response: 2392157
Conc: 19.89 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

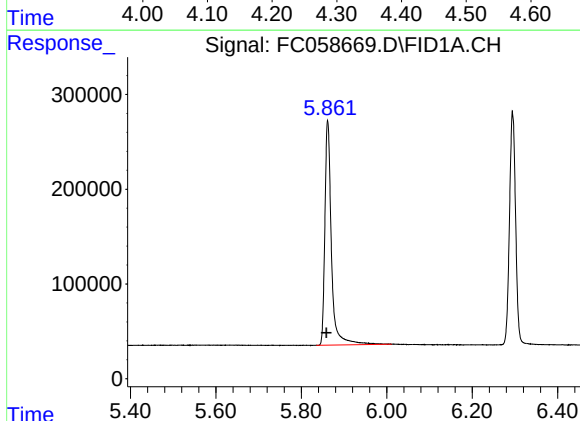
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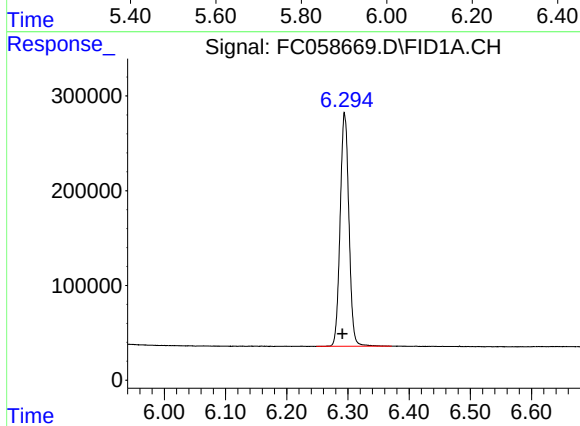
#2 n-Decane (C10)

R.T.: 4.300 min
Delta R.T.: 0.003 min
Response: 2380200
Conc: 20.00 ug/ml



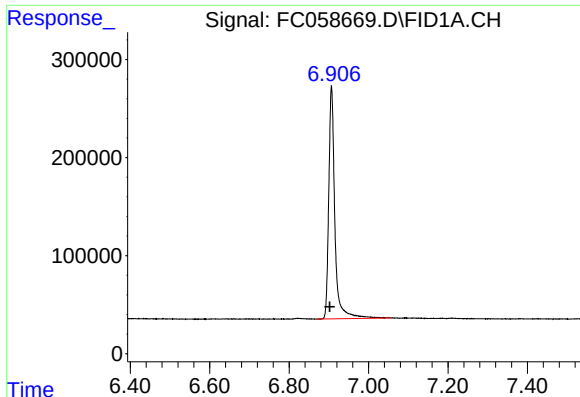
#3 A~Naphthalene (C11.7)

R.T.: 5.862 min
Delta R.T.: 0.003 min
Response: 2526904
Conc: 19.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.295 min
Delta R.T.: 0.004 min
Response: 2454226
Conc: 19.95 ug/ml



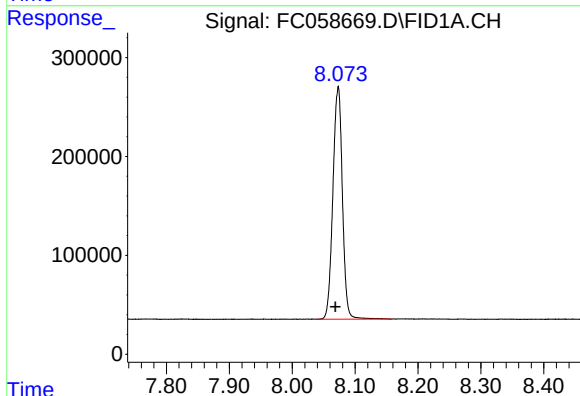
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.907 min
Delta R.T.: 0.004 min
Response: 2529244
Conc: 19.40 ug/ml

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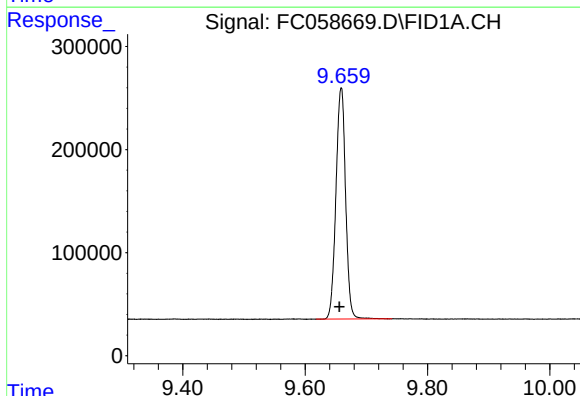
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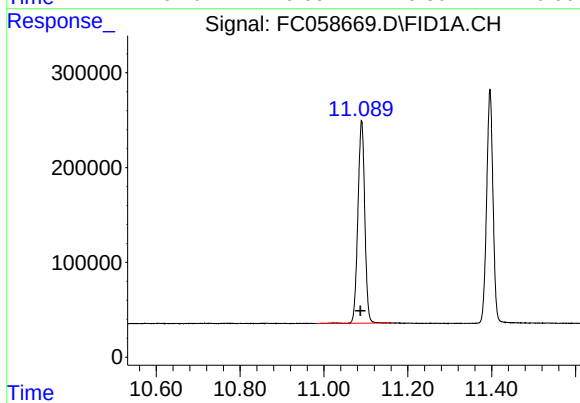
#6 n-Tetradecane (C14)

R.T.: 8.073 min
Delta R.T.: 0.004 min
Response: 2468202
Conc: 19.70 ug/ml



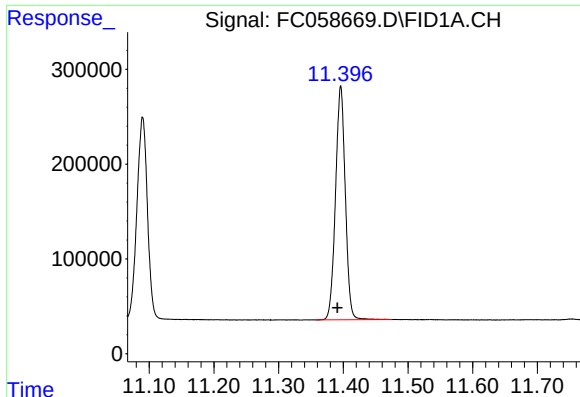
#7 n-Hexadecane (C16)

R.T.: 9.659 min
Delta R.T.: 0.002 min
Response: 2459883
Conc: 19.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.090 min
Delta R.T.: 0.003 min
Response: 2434963
Conc: 18.50 ug/ml



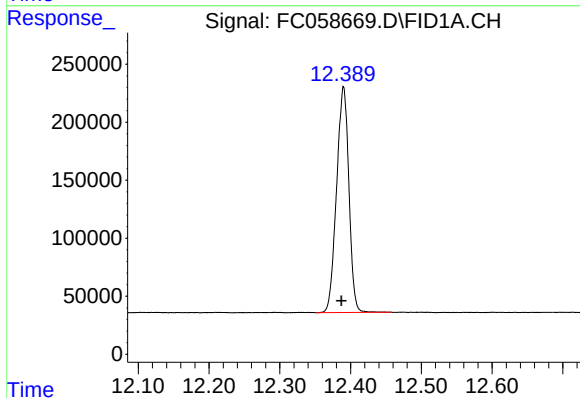
#9 ortho-Terphenyl (SURR)

R.T.: 11.396 min
Delta R.T.: 0.005 min
Response: 2593132
Conc: 17.80 ug/ml

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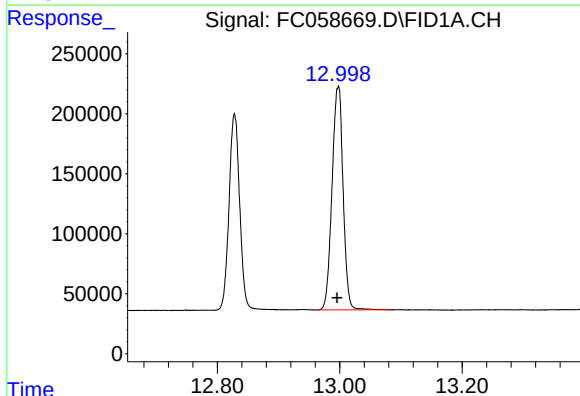
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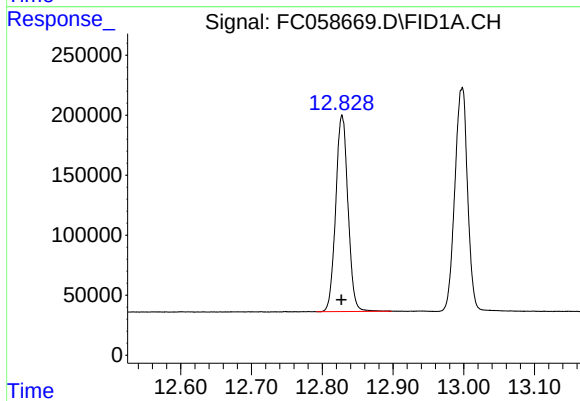
#10 n-Eicosane (C20)

R.T.: 12.390 min
Delta R.T.: 0.003 min
Response: 2352838
Conc: 17.89 ug/ml



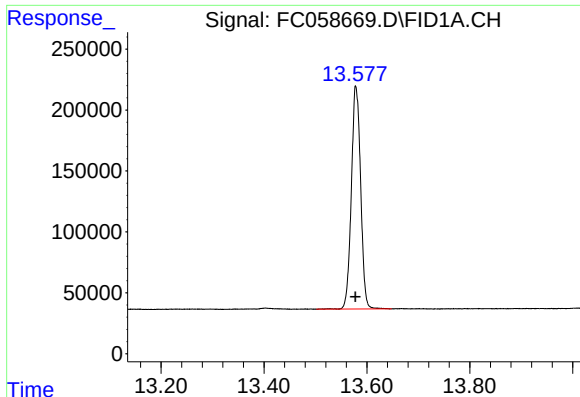
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.002 min
Response: 2340908
Conc: 17.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.828 min
Delta R.T.: 0.001 min
Response: 1970549
Conc: 17.38 ug/ml



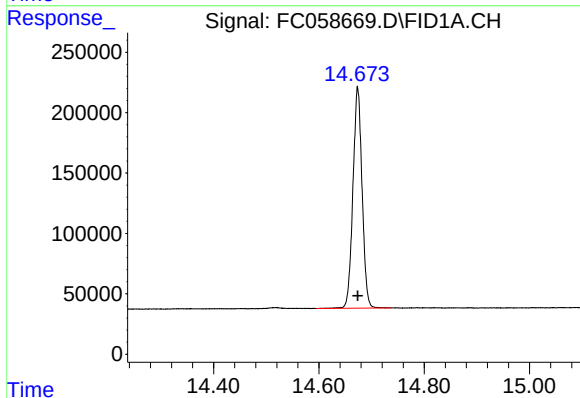
#13 n-Docosane (C22)

R.T.: 13.579 min
Delta R.T.: 0.001 min
Response: 2290489
Conc: 17.57 ug/ml

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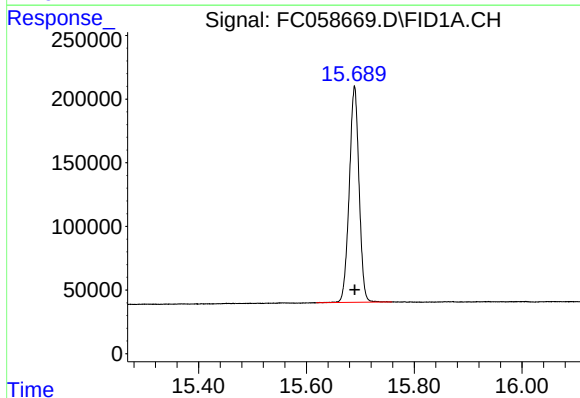
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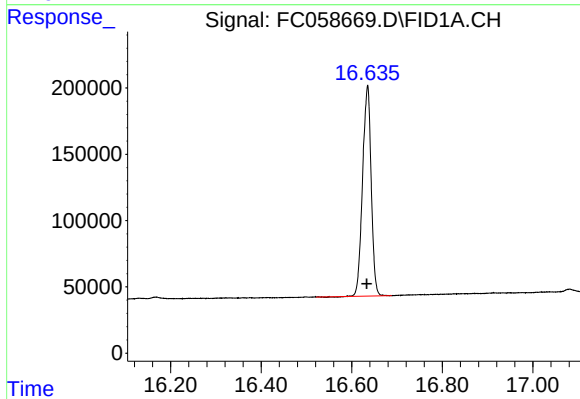
#14 n-Tetracosane (C24)

R.T.: 14.674 min
Delta R.T.: 0.000 min
Response: 2207504
Conc: 17.09 ug/ml



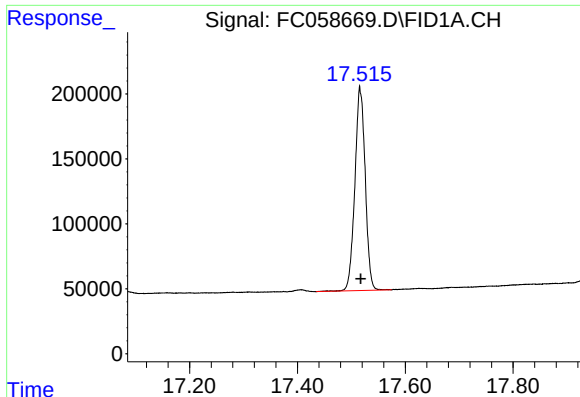
#15 n-Hexacosane (C26)

R.T.: 15.689 min
Delta R.T.: 0.000 min
Response: 2136804
Conc: 17.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.635 min
Delta R.T.: 0.001 min
Response: 2094226
Conc: 17.59 ug/ml



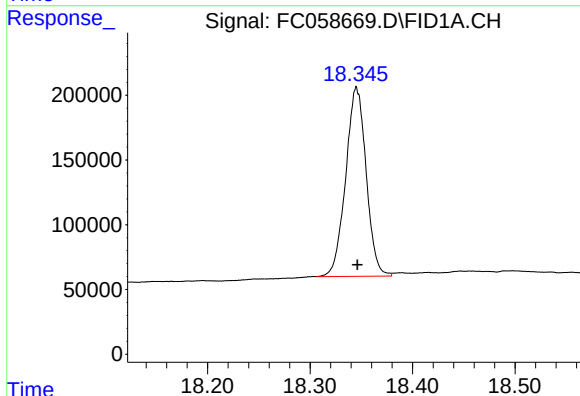
#17 n-Tricontane (C30)

R.T.: 17.516 min
Delta R.T.: 0.000 min
Response: 2087340
Conc: 18.54 ug/ml

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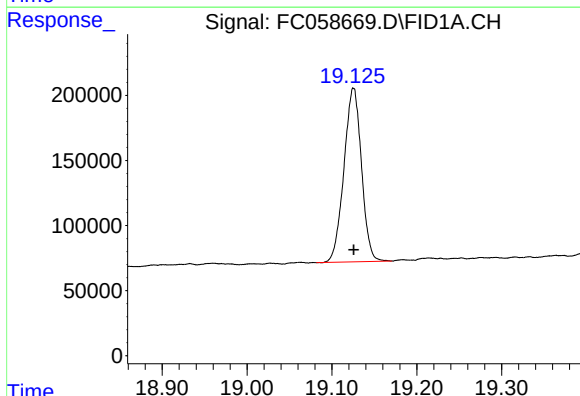
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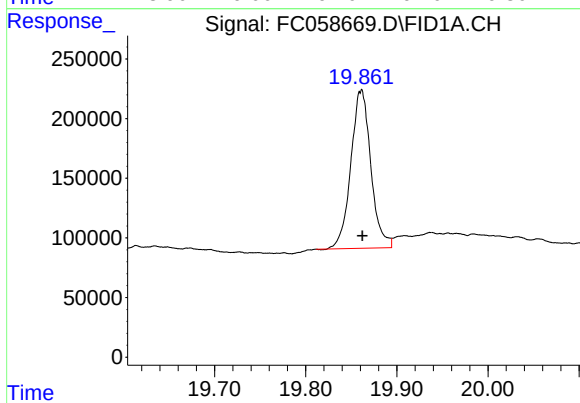
#18 n-Dotriacontane (C32)

R.T.: 18.345 min
Delta R.T.: -0.001 min
Response: 2028979
Conc: 18.87 ug/ml m



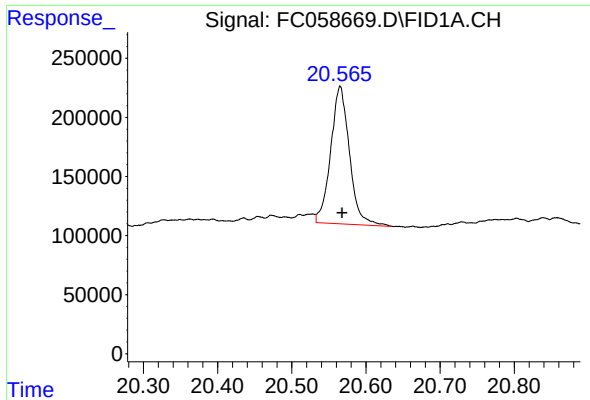
#19 n-Tetratriacontane (C34)

R.T.: 19.125 min
Delta R.T.: 0.000 min
Response: 1915453
Conc: 19.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.861 min
Delta R.T.: -0.001 min
Response: 2020526
Conc: 22.40 ug/ml



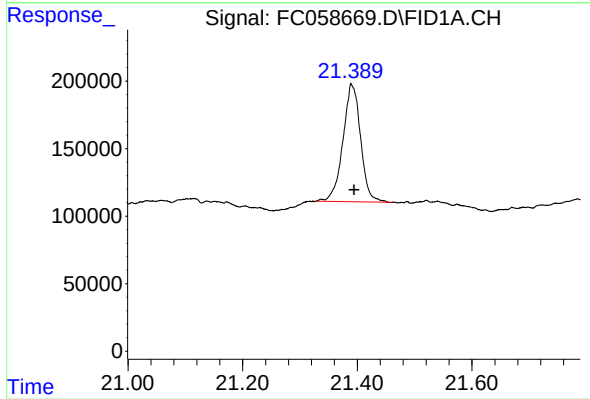
#21 n-Octatriacontane (C38)

R.T.: 20.565 min
Delta R.T.: -0.003 min
Response: 2047897
Conc: 23.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.391 min
Delta R.T.: -0.004 min
Response: 1857733
Conc: 22.14 ug/ml