

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042622AL\
 Data File : FC059469.D
 Signal(s) : FID1A.CH
 Acq On : 27 Apr 2022 11:52
 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

04/29/2022
 Supervised By :mohammad
 ahmed

04/29/2022

Integration File: sample.E
 Quant Time: Apr 27 16:14:29 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 Qlast Update : Thu Apr 21 17:30:29 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)	11.095	3283531	20.434 ug/ml
Spiked Amount 50.000		Recovery =	40.87%
12) S 1-chlorooctadecane (S...	12.542	2584980	19.796 ug/ml
Spiked Amount 50.000		Recovery =	39.59%
Target Compounds			
1) T n-Nonane (C9)	2.959	2738403	21.850 ug/ml
2) T n-Decane (C10)	3.999	2743343	21.958 ug/ml
3) T A~Naphthalene (C11.7)	5.549	2870603	23.401 ug/ml
4) T n-Dodecane (C12)	5.997	2906422	22.040 ug/ml
5) T A~2-methylnaphthalene...	6.597	2897902	22.962 ug/ml
6) T n-Tetradecane (C14)	7.779	2974714	21.992 ug/ml
7) T n-Hexadecane (C16)	9.369	3052484	21.735 ug/ml
8) T n-Octadecane (C18)	10.803	3081762	21.097 ug/ml
10) T n-Eicosane (C20)	12.104	3033867	20.230 ug/ml
11) T n-Heneicosane (C21)	12.713	3009937	19.788 ug/ml
13) T n-Docosane (C22)	13.296	3011076	19.652 ug/ml
14) T n-Tetracosane (C24)	14.394	2896952	18.709 ug/ml
15) T n-Hexacosane (C26)	15.410	2735481	17.749 ug/ml
16) T n-Octacosane (C28)	16.355	2637363	17.037 ug/ml
17) T n-Tricontane (C30)	17.239	2521045	16.598 ug/ml
18) T n-Dotriacontane (C32)	18.069	2355161	16.715 ug/ml
19) T n-Tetratriacontane (C34)	18.848	2146021	16.980 ug/ml
20) T n-Hexatriacontane (C36)	19.587	1943339	17.767 ug/ml
21) T n-Octatriacontane (C38)	20.284	1799765	19.325 ug/mlm
22) T n-Tetracontane (C40)	21.024	1717286	20.559 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Quant Title : GC Extractables

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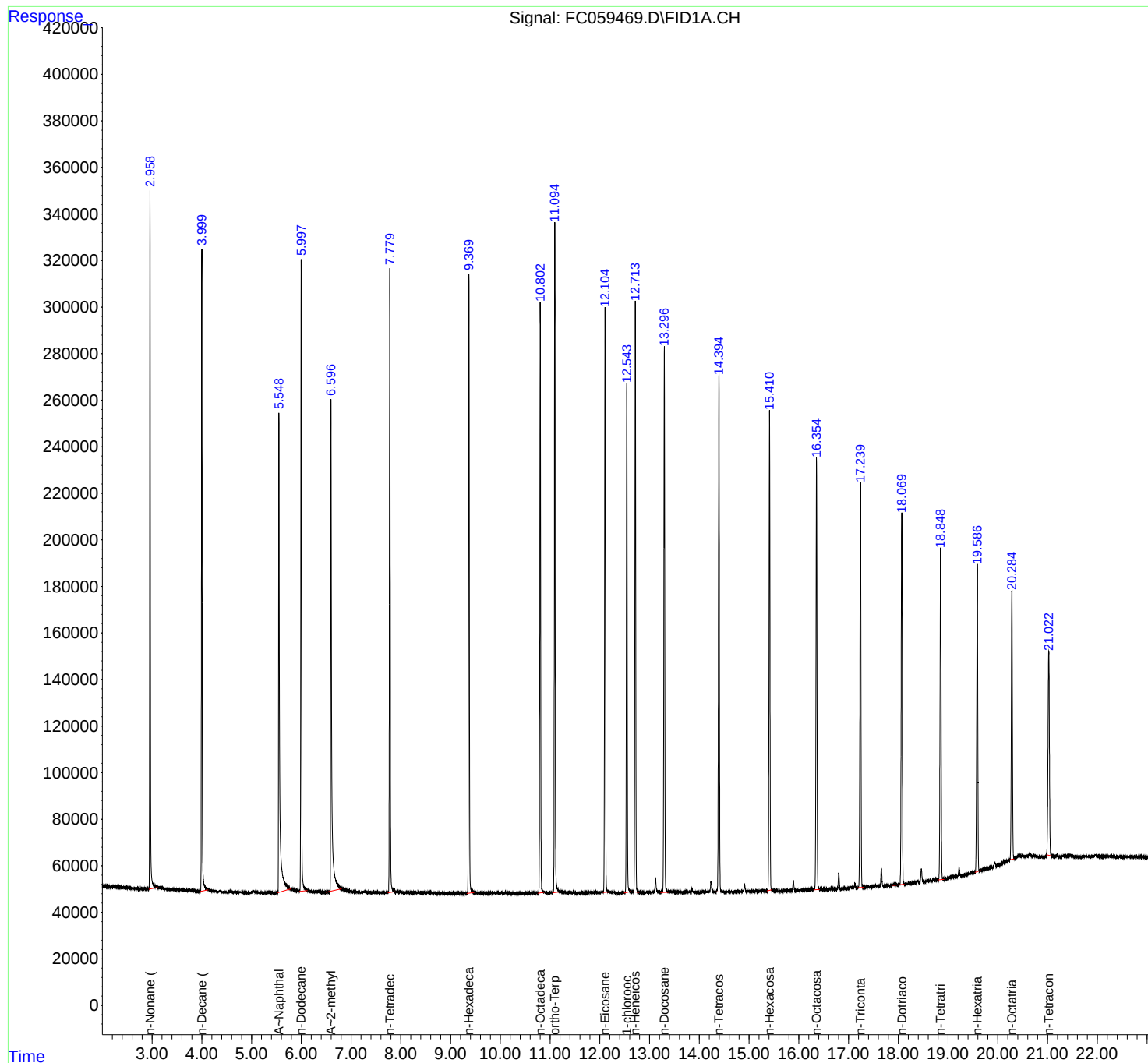
Response via : Initial Calibration

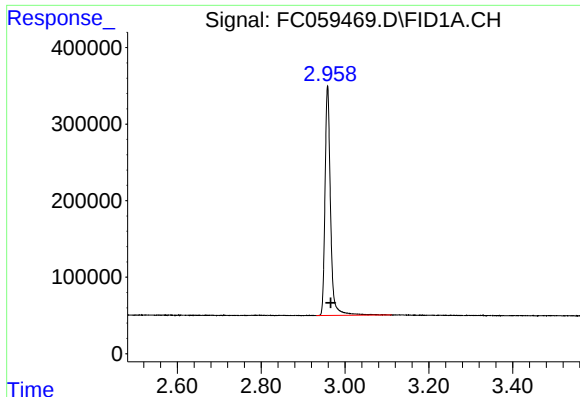
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 2.959 min
Delta R.T.: -0.007 min
Response: 2738403
Conc: 21.85 ug/ml

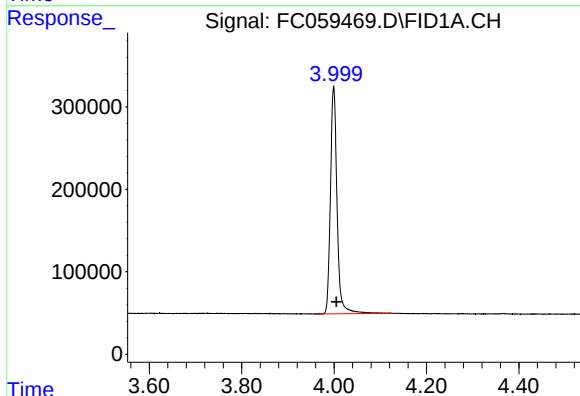
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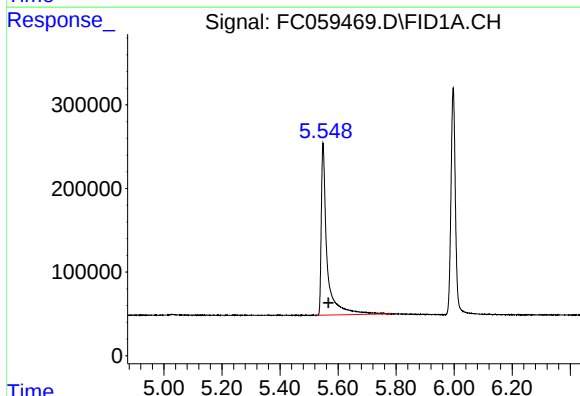
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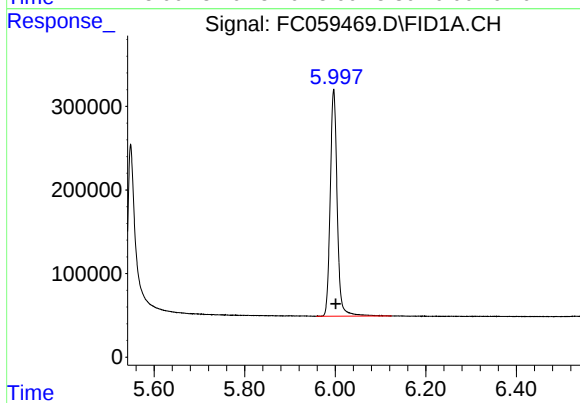
#2 n-Decane (C10)

R.T.: 3.999 min
Delta R.T.: -0.006 min
Response: 2743343
Conc: 21.96 ug/ml



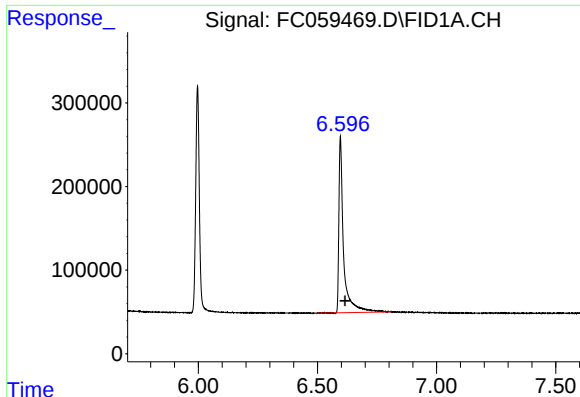
#3 A~Naphthalene (C11.7)

R.T.: 5.549 min
Delta R.T.: -0.018 min
Response: 2870603
Conc: 23.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 2906422
Conc: 22.04 ug/ml



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

R.T.: 6.597 min
Delta R.T.: -0.019 min
Response: 2897902
Conc: 22.96 ug/ml

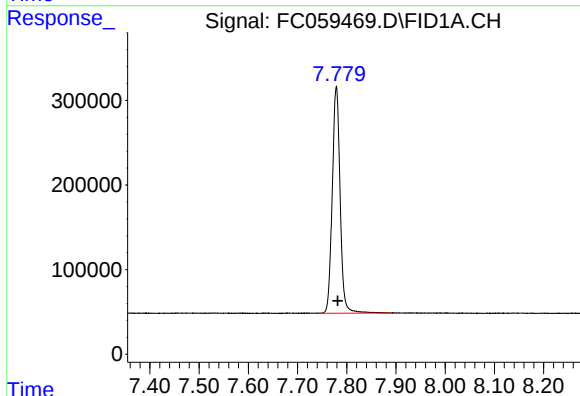
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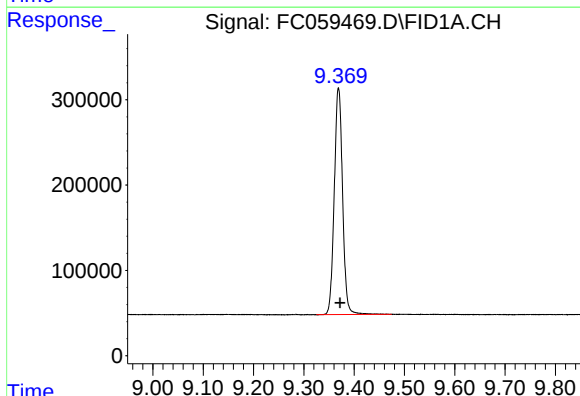
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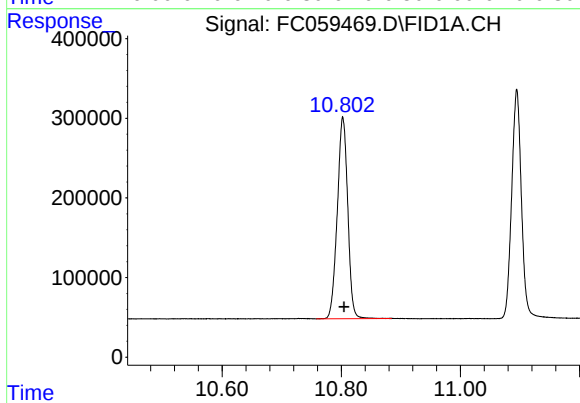
#6 n-Tetradecane (C14)

R.T.: 7.779 min
Delta R.T.: -0.003 min
Response: 2974714
Conc: 21.99 ug/ml



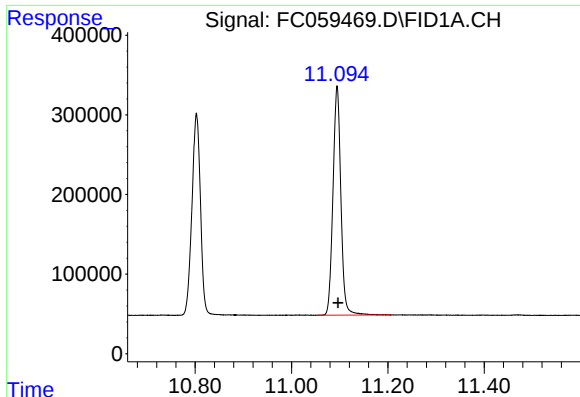
#7 n-Hexadecane (C16)

R.T.: 9.369 min
Delta R.T.: -0.003 min
Response: 3052484
Conc: 21.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.803 min
Delta R.T.: -0.002 min
Response: 3081762
Conc: 21.10 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.095 min
Delta R.T.: -0.003 min
Response: 3283531
Conc: 20.43 ug/ml

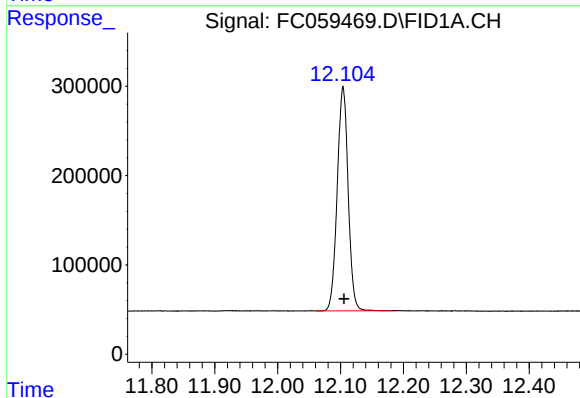
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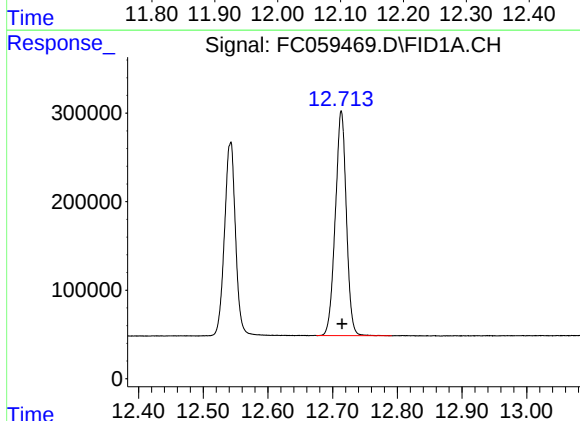
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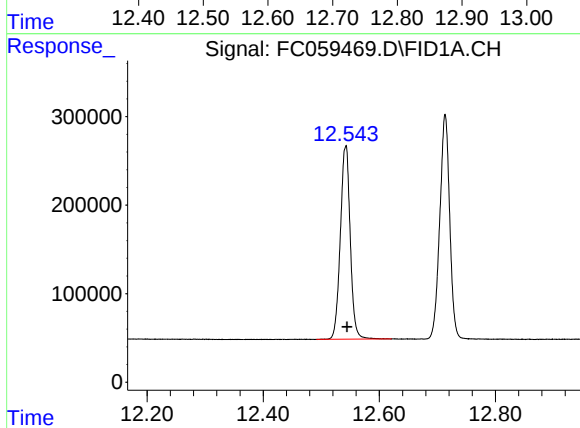
#10 n-Eicosane (C20)

R.T.: 12.104 min
Delta R.T.: -0.001 min
Response: 3033867
Conc: 20.23 ug/ml



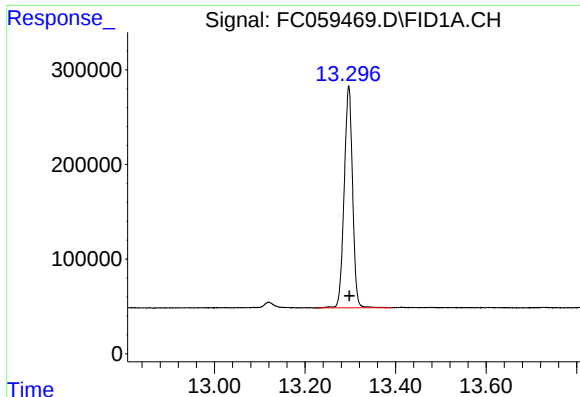
#11 n-Heneicosane (C21)

R.T.: 12.713 min
Delta R.T.: -0.001 min
Response: 3009937
Conc: 19.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.542 min
Delta R.T.: -0.003 min
Response: 2584980
Conc: 19.80 ug/ml



#13 n-Docosane (C22)

R.T.: 13.296 min
Delta R.T.: -0.002 min
Response: 3011076
Conc: 19.65 ug/ml

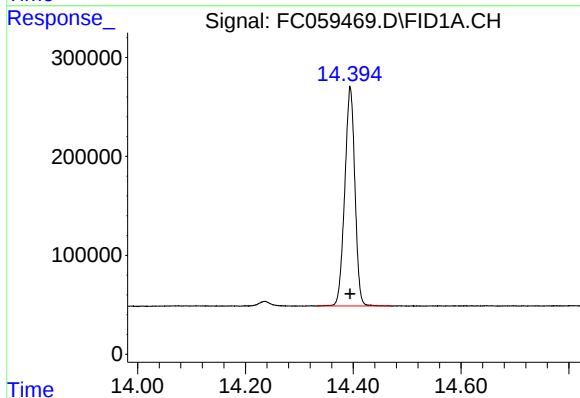
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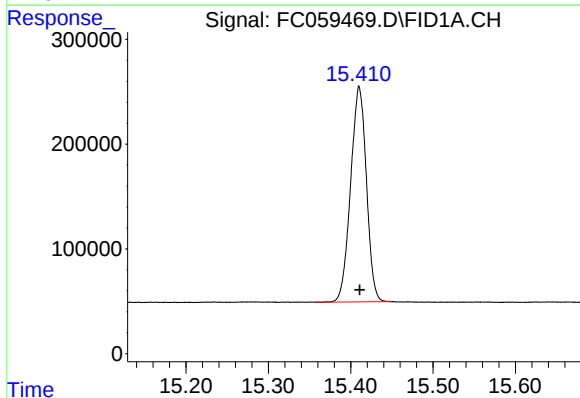
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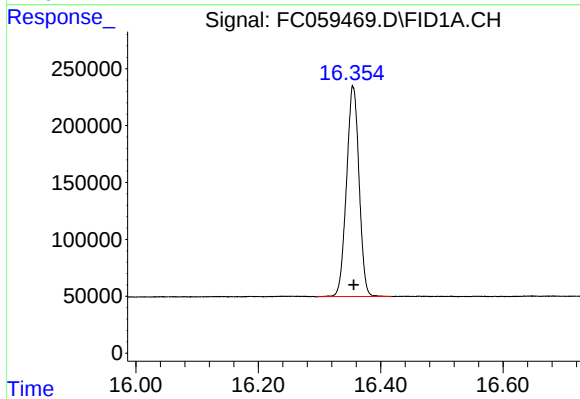
#14 n-Tetracosane (C24)

R.T.: 14.394 min
Delta R.T.: 0.000 min
Response: 2896952
Conc: 18.71 ug/ml



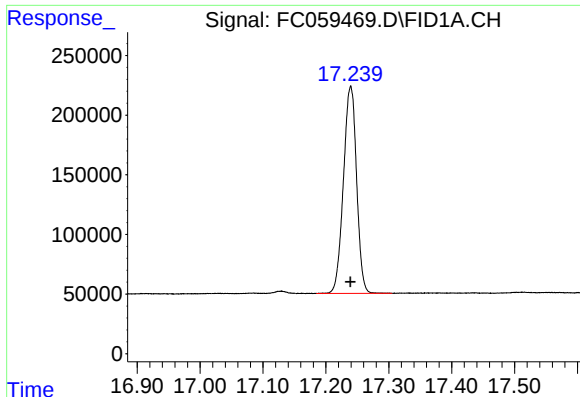
#15 n-Hexacosane (C26)

R.T.: 15.410 min
Delta R.T.: 0.000 min
Response: 2735481
Conc: 17.75 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.355 min
Delta R.T.: -0.001 min
Response: 2637363
Conc: 17.04 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.239 min
Delta R.T.: 0.000 min
Response: 2521045
Conc: 16.60 ug/ml

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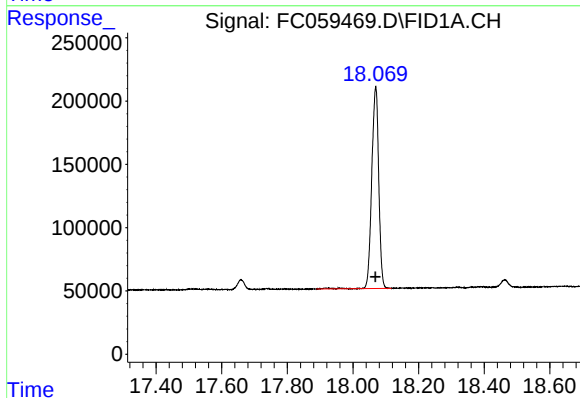
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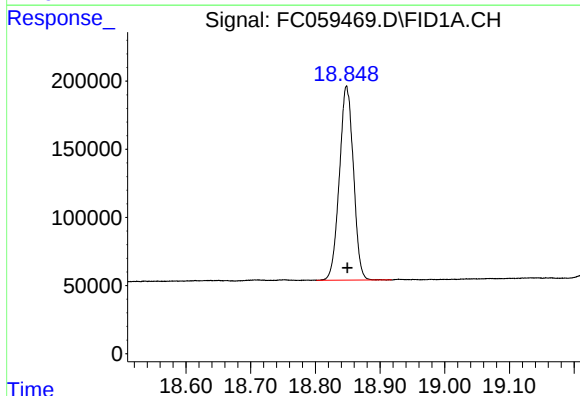
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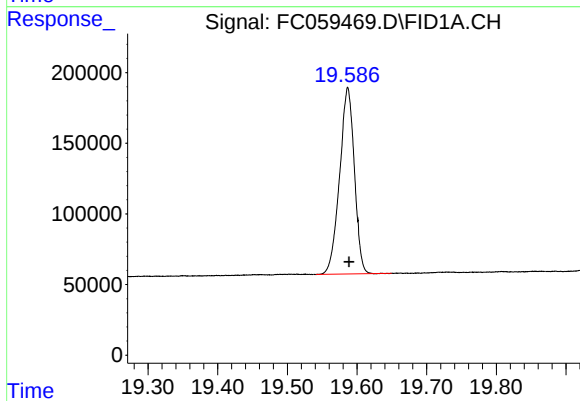
#18 n-Dotriacontane (C32)

R.T.: 18.069 min
Delta R.T.: 0.000 min
Response: 2355161
Conc: 16.72 ug/ml



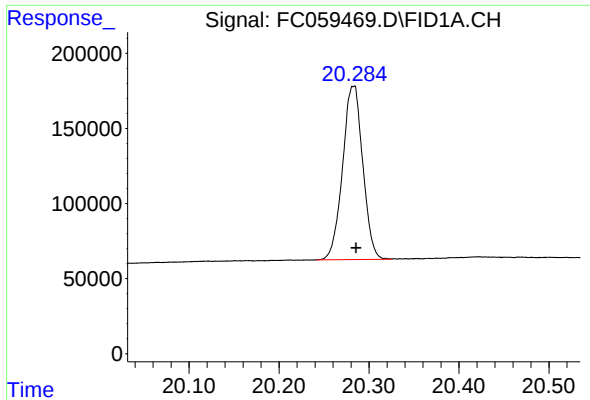
#19 n-Tetratriacontane (C34)

R.T.: 18.848 min
Delta R.T.: -0.001 min
Response: 2146021
Conc: 16.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.587 min
Delta R.T.: -0.002 min
Response: 1943339
Conc: 17.77 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.284 min
Delta R.T.: -0.001 min
Response: 1799765
Conc: 19.32 ug/ml

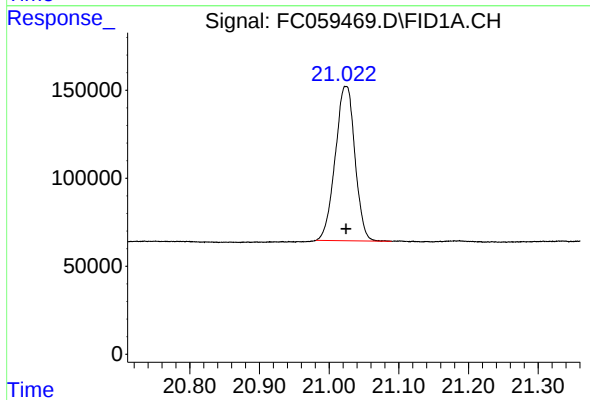
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#22 n-Tetracontane (C40)

R.T.: 21.024 min
Delta R.T.: 0.000 min
Response: 1717286
Conc: 20.56 ug/ml