

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041822AL\
 Data File : FC059284.D
 Signal(s) : FID1A.CH
 Acq On : 18 Apr 2022 16:31
 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 04/19/2022
 Supervised By :mohammad ahmed 04/20/2022

Integration File: autoint1.e
 Quant Time: Apr 19 03:14:52 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032522.M
 Quant Title : GC Extractables
 QLast Update : Fri Mar 25 23:18:46 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)	11.105	2736987	18.996 ug/ml
Spiked Amount 50.000		Recovery =	37.99%
12) S 1-chlorooctadecane (S...	12.554	2126932	18.975 ug/ml
Spiked Amount 50.000		Recovery =	37.95%
Target Compounds			
1) T n-Nonane (C9)	2.962	2433755	19.860 ug/ml
2) T n-Decane (C10)	4.005	2460987	20.082 ug/ml
3) T A~Naphthalene (C11.7)	5.556	2489874	19.831 ug/ml
4) T n-Dodecane (C12)	6.004	2536200	19.856 ug/ml
5) T A~2-methylnaphthalene...	6.604	2423081	18.901 ug/ml
6) T n-Tetradecane (C14)	7.788	2576492	19.816 ug/ml
7) T n-Hexadecane (C16)	9.379	2565443	19.319 ug/ml
8) T n-Octadecane (C18)	10.814	2554311	19.212 ug/ml
10) T n-Eicosane (C20)	12.116	2500717	19.086 ug/ml
11) T n-Heneicosane (C21)	12.725	2490108	19.084 ug/ml
13) T n-Docosane (C22)	13.308	2463563	19.017 ug/ml
14) T n-Tetracosane (C24)	14.406	2439977	19.315 ug/ml
15) T n-Hexacosane (C26)	15.424	2395014	19.828 ug/mlm
16) T n-Octacosane (C28)	16.369	2413383	20.381 ug/ml
17) T n-Tricontane (C30)	17.254	2457572	21.543 ug/ml
18) T n-Dotriacontane (C32)	18.085	2372826	22.149 ug/mlm
19) T n-Tetratriacontane (C34)	18.866	2195088	21.726 ug/ml
20) T n-Hexatriacontane (C36)	19.603	2006647	21.001 ug/ml
21) T n-Octatriacontane (C38)	20.302	1932453	21.001 ug/ml
22) T n-Tetracontane (C40)	21.047	1886582	20.299 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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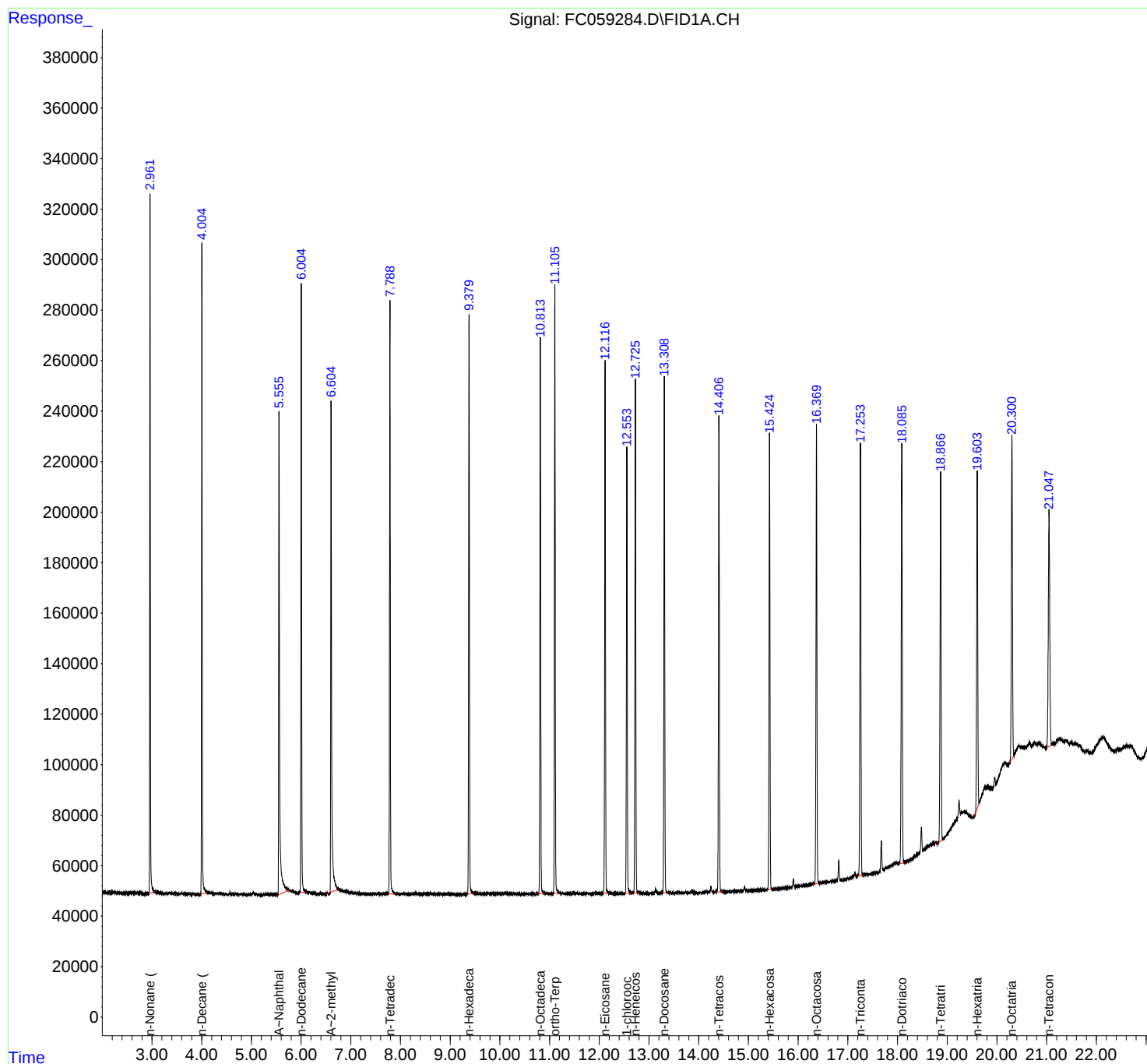
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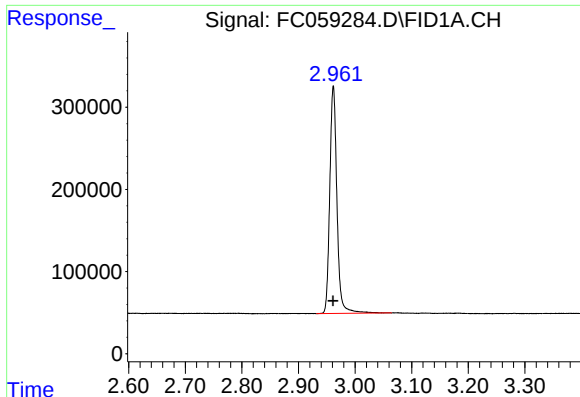
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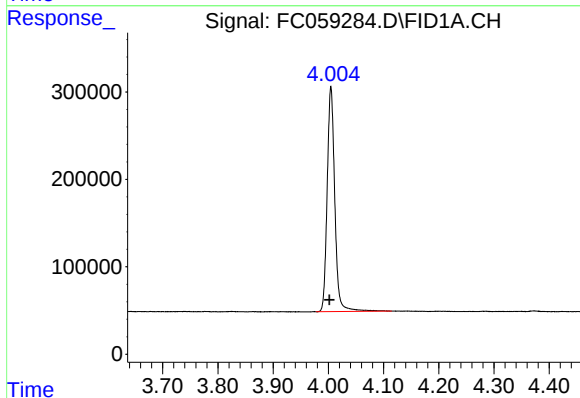
#1 n-Nonane (C9)

R.T.: 2.962 min
Delta R.T.: 0.000 min
Response: 2433755
Conc: 19.86 ug/ml

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20 PPM ALIPHATIC HC STD

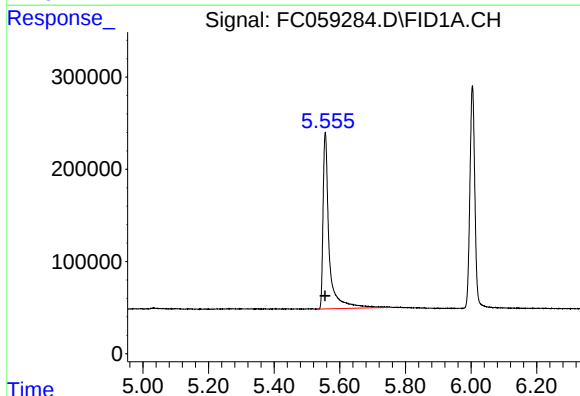
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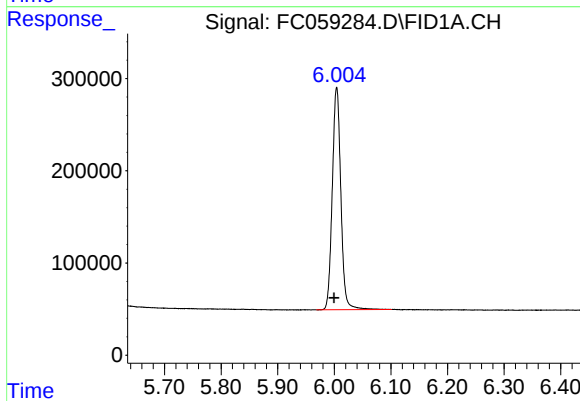
#2 n-Decane (C10)

R.T.: 4.005 min
Delta R.T.: 0.003 min
Response: 2460987
Conc: 20.08 ug/ml



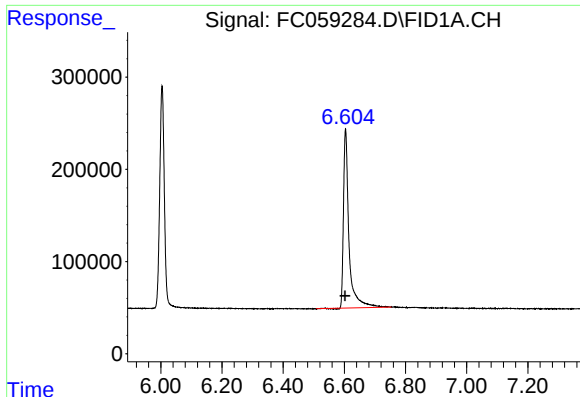
#3 A~Naphthalene (C11.7)

R.T.: 5.556 min
Delta R.T.: 0.000 min
Response: 2489874
Conc: 19.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.004 min
Delta R.T.: 0.004 min
Response: 2536200
Conc: 19.86 ug/ml



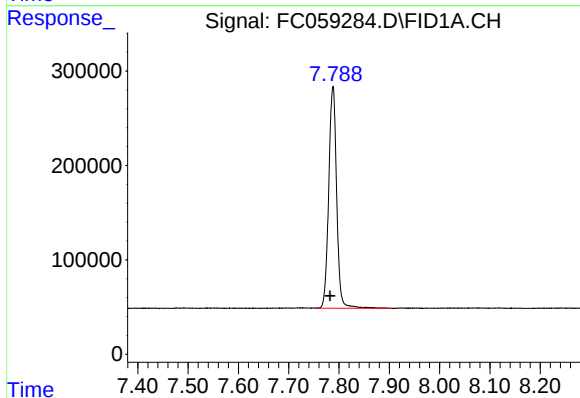
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.604 min
Delta R.T.: 0.002 min
Response: 2423081
Conc: 18.90 ug/ml

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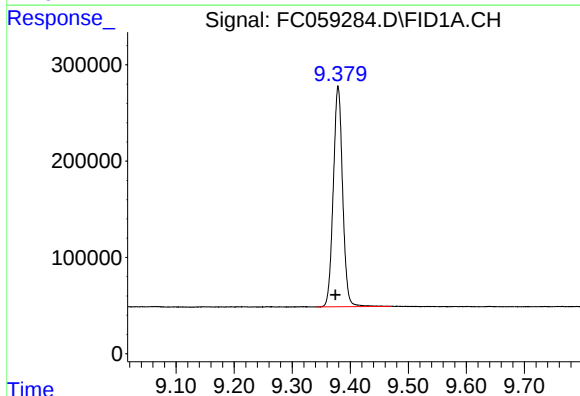
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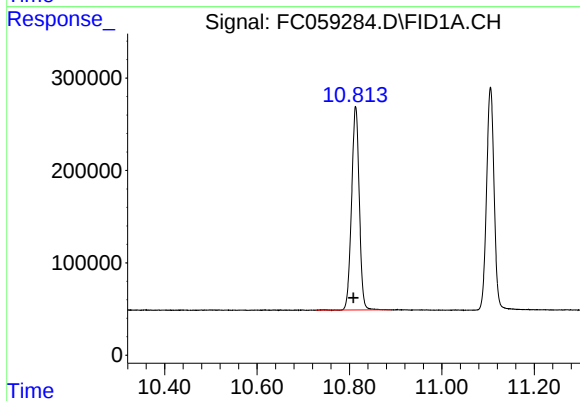
#6 n-Tetradecane (C14)

R.T.: 7.788 min
Delta R.T.: 0.005 min
Response: 2576492
Conc: 19.82 ug/ml



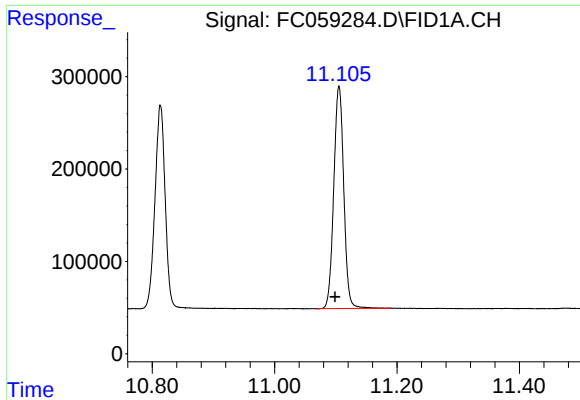
#7 n-Hexadecane (C16)

R.T.: 9.379 min
Delta R.T.: 0.005 min
Response: 2565443
Conc: 19.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.814 min
Delta R.T.: 0.005 min
Response: 2554311
Conc: 19.21 ug/ml



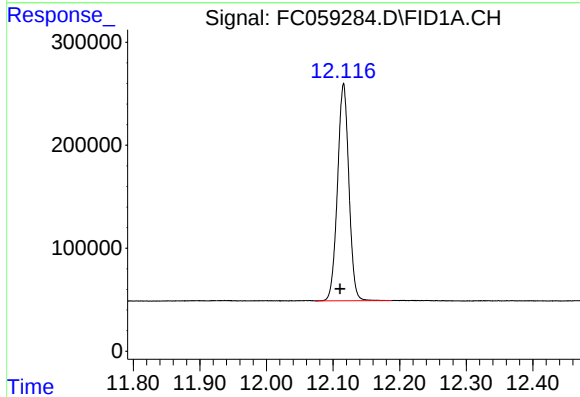
#9 ortho-Terphenyl (SURR)

R.T.: 11.105 min
Delta R.T.: 0.007 min
Response: 2736987
Conc: 19.00 ug/ml

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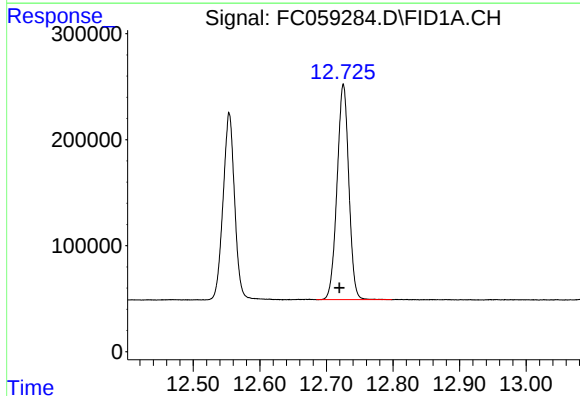
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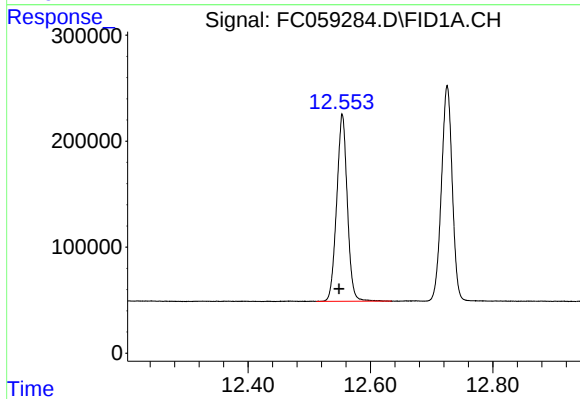
#10 n-Eicosane (C20)

R.T.: 12.116 min
Delta R.T.: 0.005 min
Response: 2500717
Conc: 19.09 ug/ml



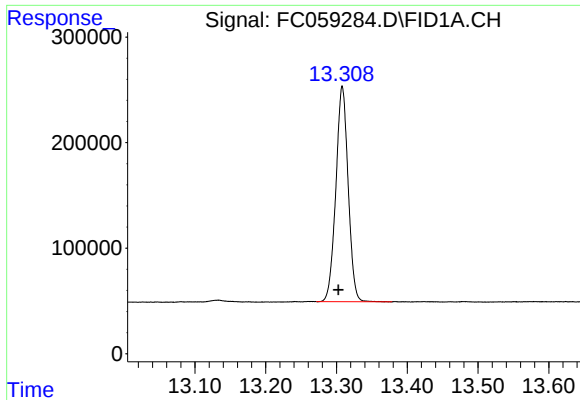
#11 n-Heneicosane (C21)

R.T.: 12.725 min
Delta R.T.: 0.006 min
Response: 2490108
Conc: 19.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.554 min
Delta R.T.: 0.006 min
Response: 2126932
Conc: 18.97 ug/ml



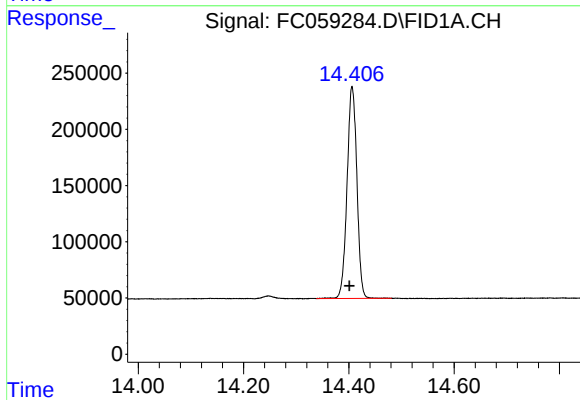
#13 n-Docosane (C22)

R.T.: 13.308 min
Delta R.T.: 0.006 min
Response: 2463563
Conc: 19.02 ug/ml

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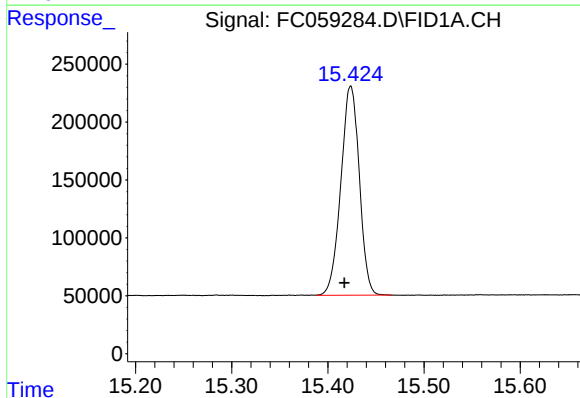
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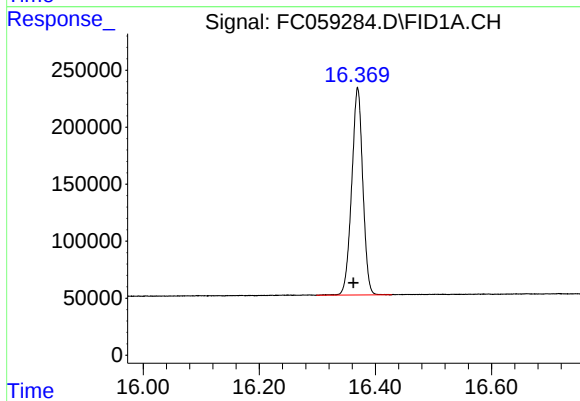
#14 n-Tetracosane (C24)

R.T.: 14.406 min
Delta R.T.: 0.005 min
Response: 2439977
Conc: 19.32 ug/ml



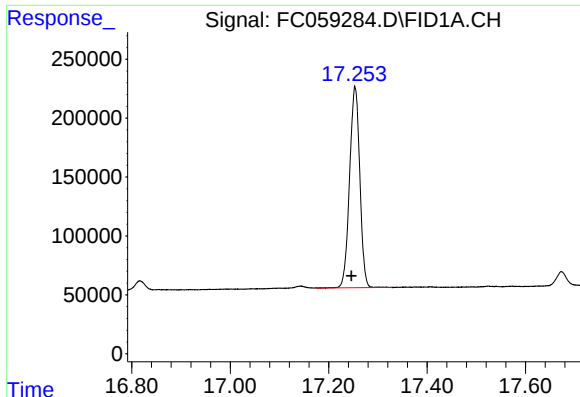
#15 n-Hexacosane (C26)

R.T.: 15.424 min
Delta R.T.: 0.007 min
Response: 2395014
Conc: 19.83 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.369 min
Delta R.T.: 0.007 min
Response: 2413383
Conc: 20.38 ug/ml



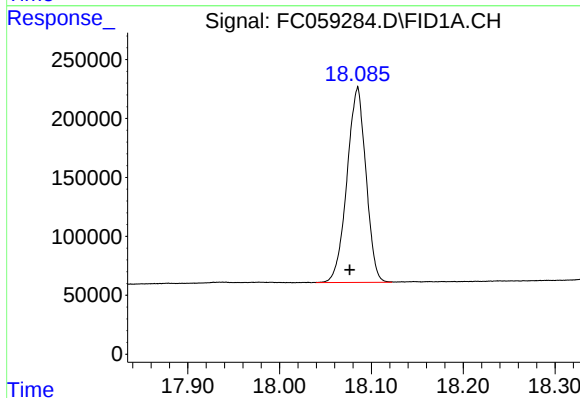
#17 n-Tricontane (C30)

R.T.: 17.254 min
Delta R.T.: 0.008 min
Response: 2457572
Conc: 21.54 ug/ml

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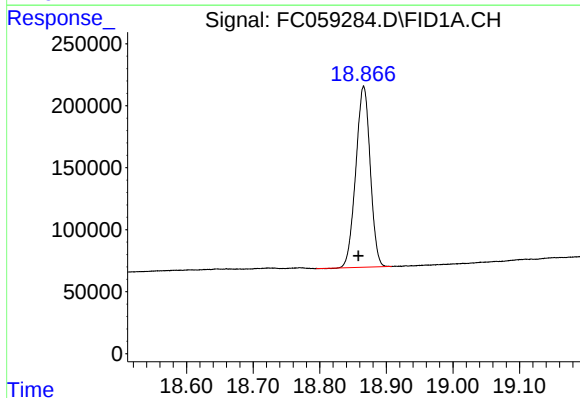
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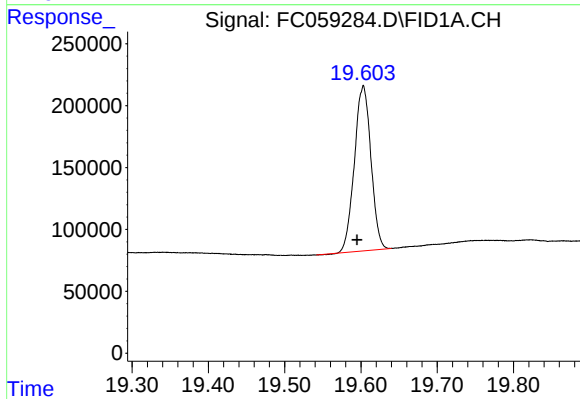
#18 n-Dotriacontane (C32)

R.T.: 18.085 min
Delta R.T.: 0.009 min
Response: 2372826
Conc: 22.15 ug/ml m



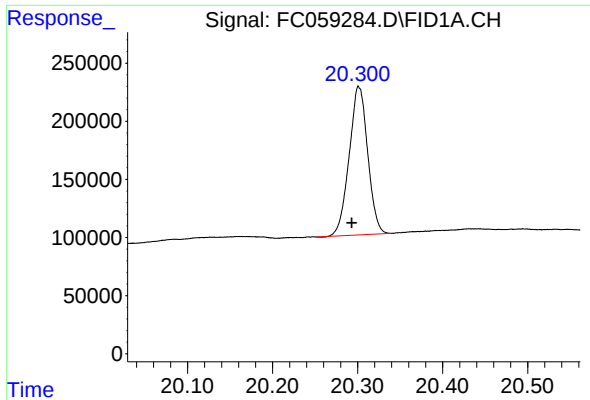
#19 n-Tetratriacontane (C34)

R.T.: 18.866 min
Delta R.T.: 0.008 min
Response: 2195088
Conc: 21.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.603 min
Delta R.T.: 0.008 min
Response: 2006647
Conc: 21.00 ug/ml



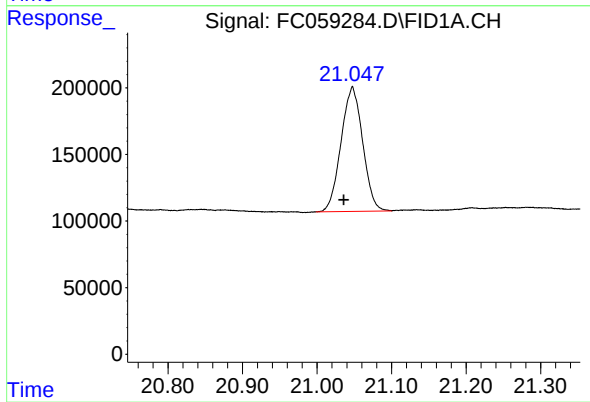
#21 n-Octatriacontane (C38)

R.T.: 20.302 min
Delta R.T.: 0.008 min
Response: 1932453
Conc: 21.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.047 min
Delta R.T.: 0.011 min
Response: 1886582
Conc: 20.30 ug/ml m