

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041822AL\
 Data File : FC059277.D
 Signal(s) : FID1A.CH
 Acq On : 18 Apr 2022 12:04
 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 03:13:39 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)	11.106	2972578	20.631 ug/ml
Spiked Amount 50.000		Recovery =	41.26%
12) S 1-chlorooctadecane (S...	12.554	2320114	20.698 ug/ml
Spiked Amount 50.000		Recovery =	41.40%
Target Compounds			
1) T n-Nonane (C9)	2.961	2633572	21.490 ug/ml
2) T n-Decane (C10)	4.005	2647404	21.604 ug/ml
3) T A~Naphthalene (C11.7)	5.556	2752912	21.926 ug/ml
4) T n-Dodecane (C12)	6.005	2755061	21.570 ug/ml
5) T A~2-methylnaphthalene...	6.605	2732485	21.315 ug/ml
6) T n-Tetradecane (C14)	7.789	2770187	21.306 ug/ml
7) T n-Hexadecane (C16)	9.380	2797687	21.068 ug/ml
8) T n-Octadecane (C18)	10.814	2799060	21.053 ug/ml
10) T n-Eicosane (C20)	12.116	2721246	20.769 ug/ml
11) T n-Heneicosane (C21)	12.725	2709943	20.769 ug/ml
13) T n-Docosane (C22)	13.309	2705179	20.882 ug/ml
14) T n-Tetracosane (C24)	14.407	2634530	20.855 ug/ml
15) T n-Hexacosane (C26)	15.424	2582329	21.378 ug/mlm
16) T n-Octacosane (C28)	16.372	2588298	21.858 ug/ml
17) T n-Tricontane (C30)	17.255	2606449	22.848 ug/ml
18) T n-Dotriacontane (C32)	18.086	2505432	23.387 ug/mlm
19) T n-Tetratriacontane (C34)	18.867	2337043	23.131 ug/mlm
20) T n-Hexatriacontane (C36)	19.605	2167501	22.685 ug/ml
21) T n-Octatriacontane (C38)	20.303	2043249	22.205 ug/ml
22) T n-Tetracontane (C40)	21.049	2163761	23.282 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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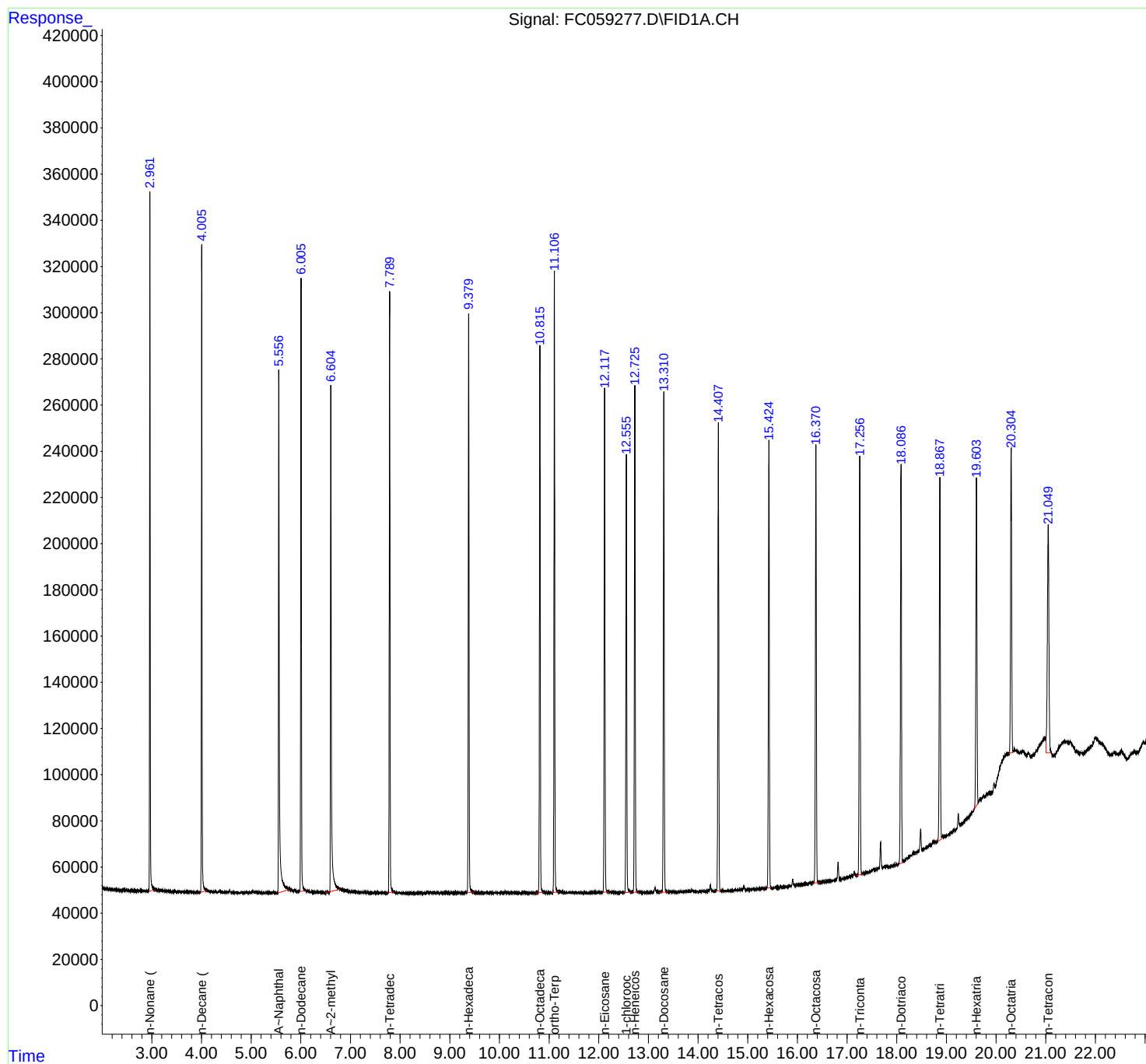
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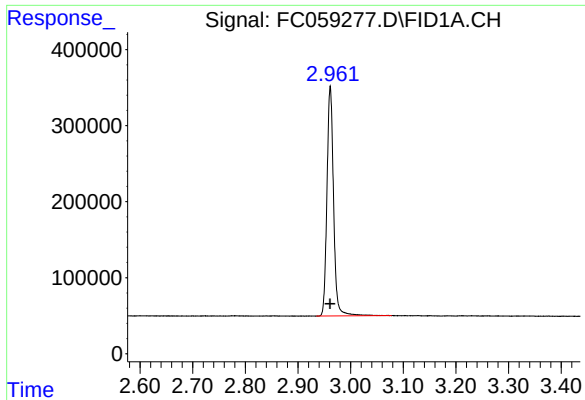
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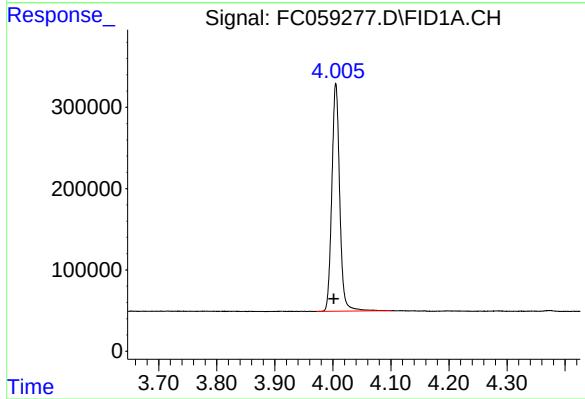
#1 n-Nonane (C9)

R.T.: 2.961 min
Delta R.T.: 0.000 min
Response: 2633572
Conc: 21.49 ug/ml

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20 PPM ALIPHATIC HC STD

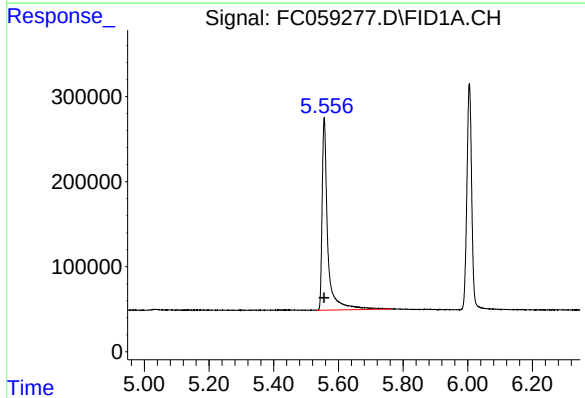
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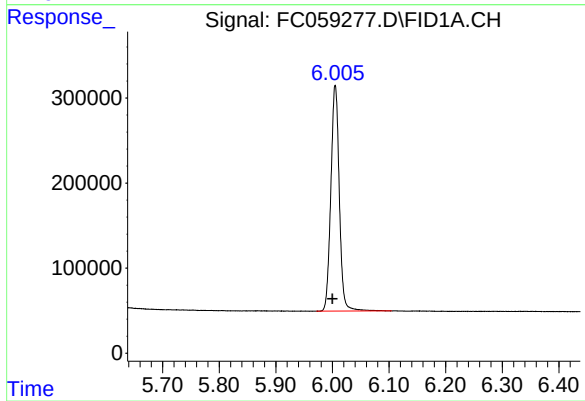
#2 n-Decane (C10)

R.T.: 4.005 min
Delta R.T.: 0.003 min
Response: 2647404
Conc: 21.60 ug/ml



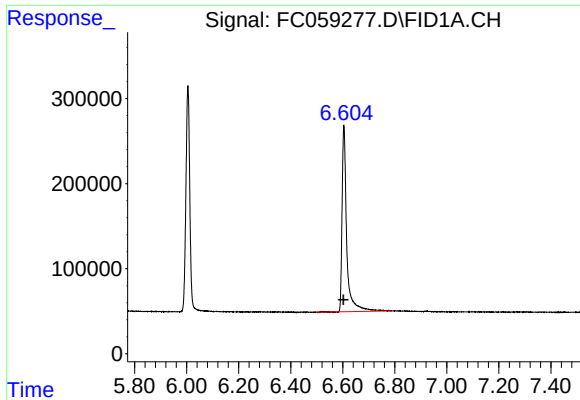
#3 A~Naphthalene (C11.7)

R.T.: 5.556 min
Delta R.T.: 0.001 min
Response: 2752912
Conc: 21.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.005 min
Delta R.T.: 0.005 min
Response: 2755061
Conc: 21.57 ug/ml



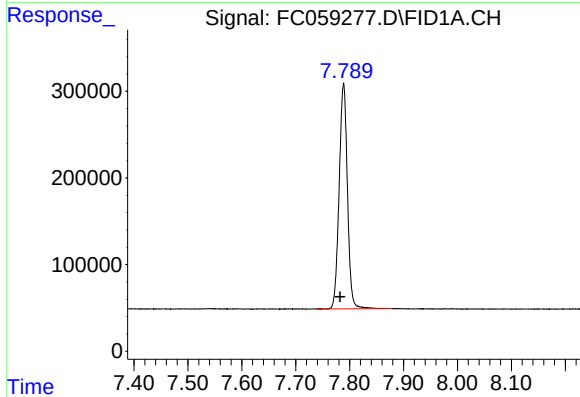
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.605 min
Delta R.T.: 0.002 min
Response: 2732485
Conc: 21.31 ug/ml

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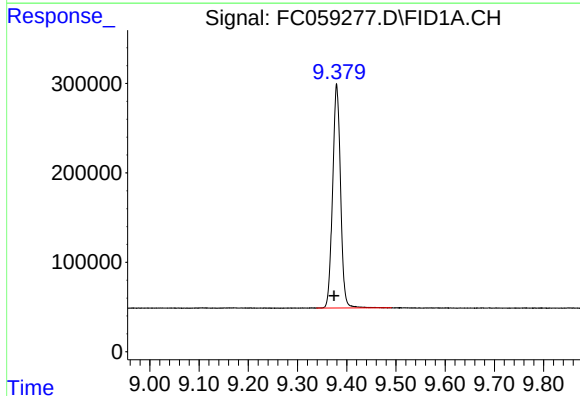
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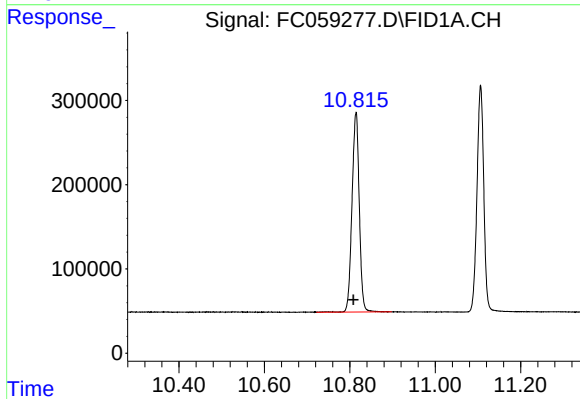
#6 n-Tetradecane (C14)

R.T.: 7.789 min
Delta R.T.: 0.006 min
Response: 2770187
Conc: 21.31 ug/ml



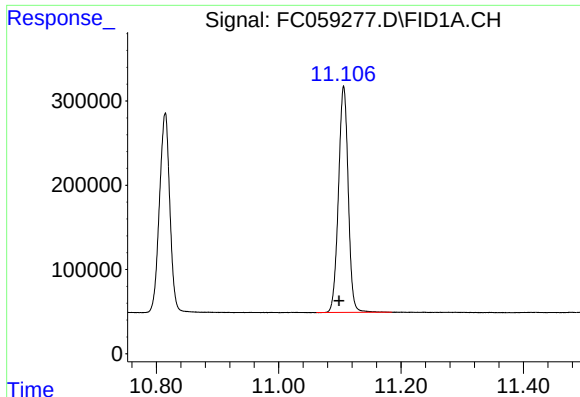
#7 n-Hexadecane (C16)

R.T.: 9.380 min
Delta R.T.: 0.005 min
Response: 2797687
Conc: 21.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.814 min
Delta R.T.: 0.006 min
Response: 2799060
Conc: 21.05 ug/ml



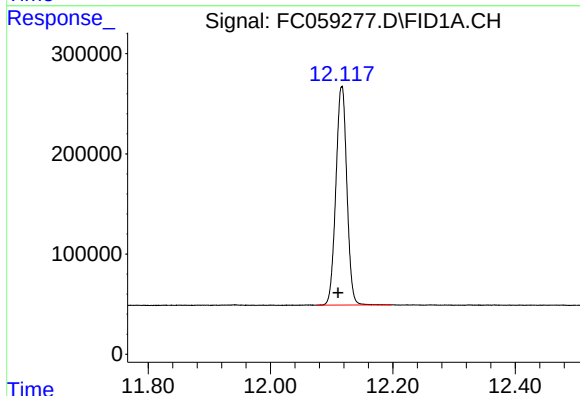
#9 ortho-Terphenyl (SURR)

R.T.: 11.106 min
Delta R.T.: 0.008 min
Response: 2972578
Conc: 20.63 ug/ml

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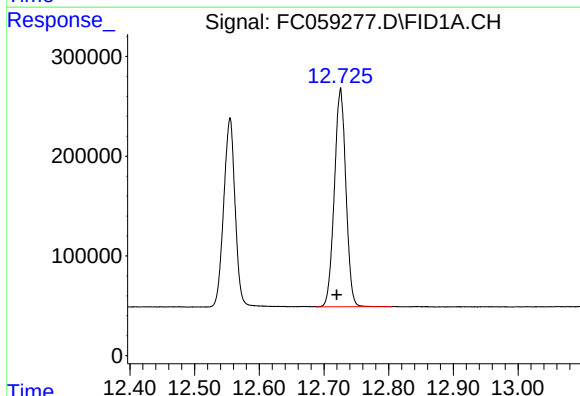
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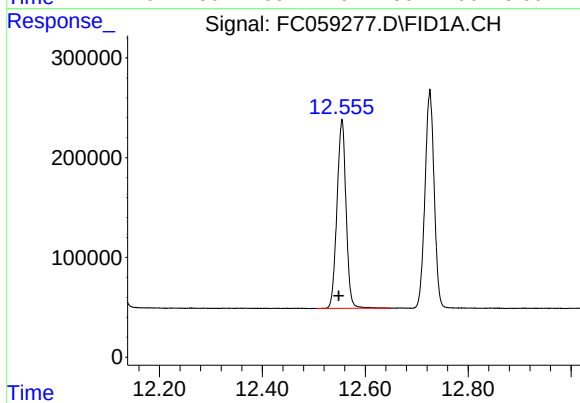
#10 n-Eicosane (C20)

R.T.: 12.116 min
Delta R.T.: 0.006 min
Response: 2721246
Conc: 20.77 ug/ml



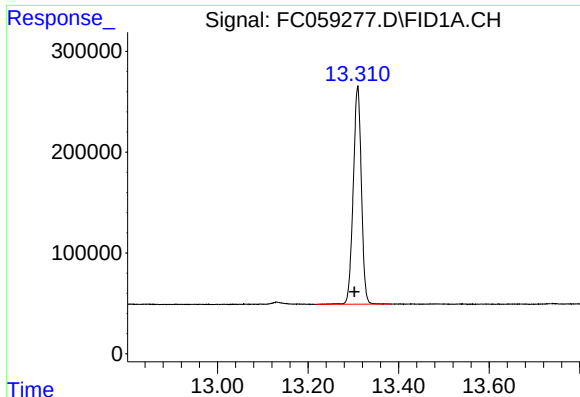
#11 n-Heneicosane (C21)

R.T.: 12.725 min
Delta R.T.: 0.006 min
Response: 2709943
Conc: 20.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.554 min
Delta R.T.: 0.006 min
Response: 2320114
Conc: 20.70 ug/ml



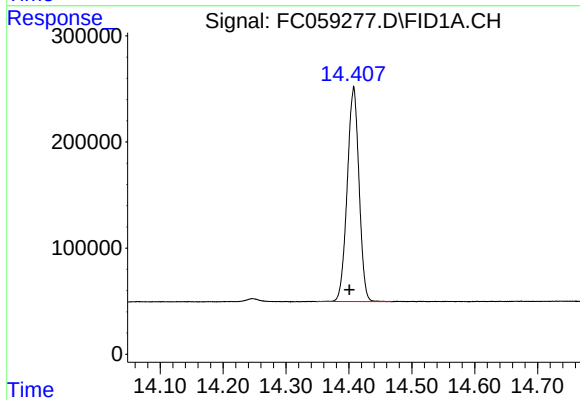
#13 n-Docosane (C22)

R.T.: 13.309 min
Delta R.T.: 0.007 min
Response: 2705179
Conc: 20.88 ug/ml

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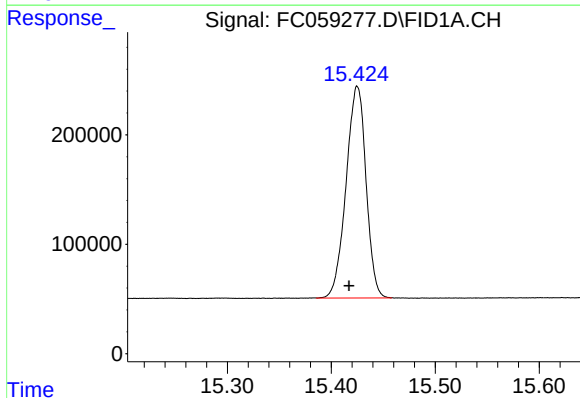
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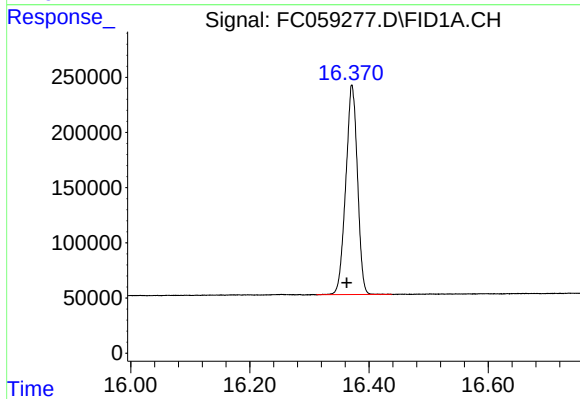
#14 n-Tetracosane (C24)

R.T.: 14.407 min
Delta R.T.: 0.006 min
Response: 2634530
Conc: 20.86 ug/ml



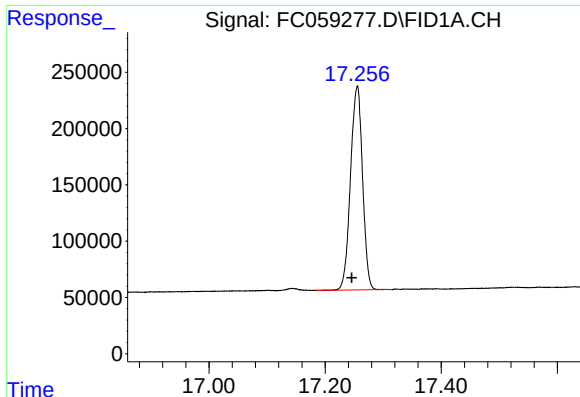
#15 n-Hexacosane (C26)

R.T.: 15.424 min
Delta R.T.: 0.007 min
Response: 2582329
Conc: 21.38 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.372 min
Delta R.T.: 0.009 min
Response: 2588298
Conc: 21.86 ug/ml



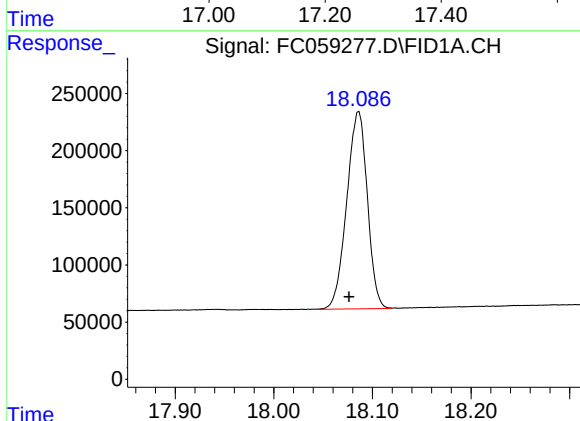
#17 n-Tricontane (C30)

R.T.: 17.255 min
Delta R.T.: 0.009 min
Response: 2606449
Conc: 22.85 ug/ml

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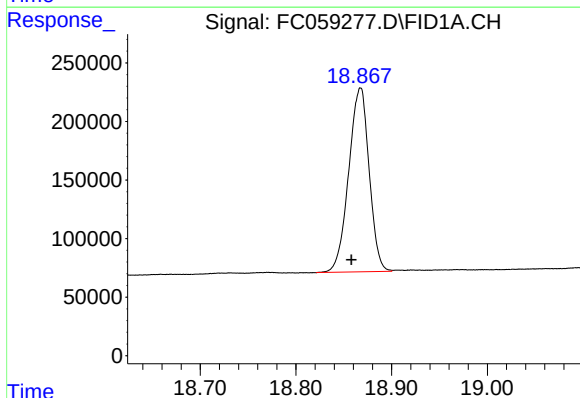
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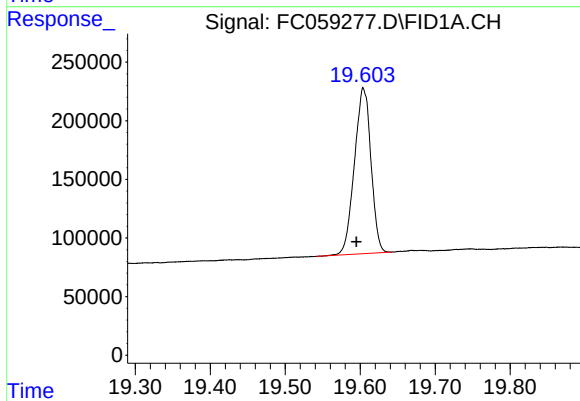
#18 n-Dotriacontane (C32)

R.T.: 18.086 min
Delta R.T.: 0.010 min
Response: 2505432
Conc: 23.39 ug/ml m



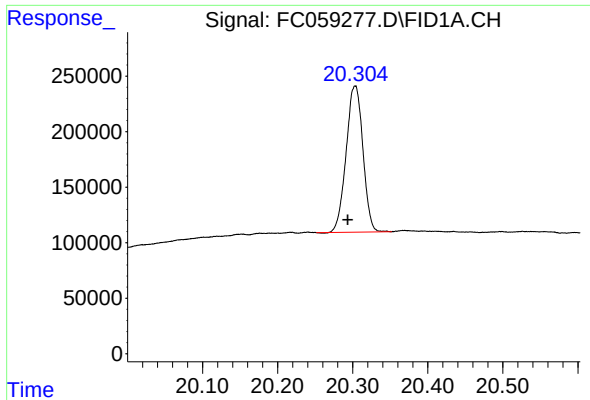
#19 n-Tetratriacontane (C34)

R.T.: 18.867 min
Delta R.T.: 0.009 min
Response: 2337043
Conc: 23.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.605 min
Delta R.T.: 0.010 min
Response: 2167501
Conc: 22.68 ug/ml



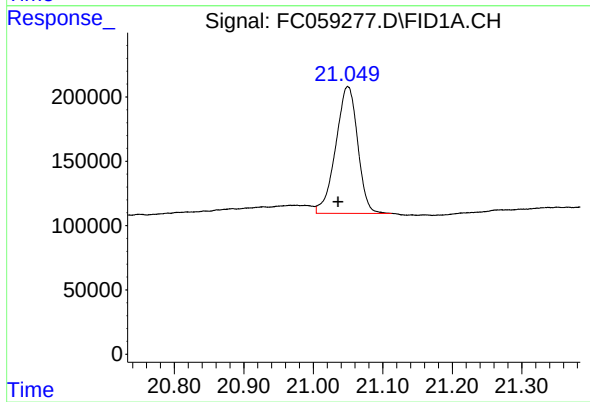
#21 n-Octatriacontane (C38)

R.T.: 20.303 min
Delta R.T.: 0.010 min
Response: 2043249
Conc: 22.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.049 min
Delta R.T.: 0.013 min
Response: 2163761
Conc: 23.28 ug/ml m