

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042722AL\
 Data File : FC059471.D
 Signal(s) : FID1A.CH
 Acq On : 27 Apr 2022 13:13
 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 04/28/2022
 Supervised By :mohammad ahmed 04/28/2022

Integration File: sample.E
 Quant Time: Apr 28 04:51:14 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	3238131	20.151 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
12) S 1-chlorooctadecane (S...	12.541	2554288	19.561 ug/ml
Spiked Amount 50.000		Recovery =	39.12%
Target Compounds			
1) T n-Nonane (C9)	2.959	2675619	21.349 ug/ml
2) T n-Decane (C10)	4.000	2692217	21.549 ug/ml
3) T A~Naphthalene (C11.7)	5.550	2827360	23.049 ug/ml
4) T n-Dodecane (C12)	5.997	2860688	21.694 ug/ml
5) T A~2-methylnaphthalene...	6.598	2877919	22.803 ug/ml
6) T n-Tetradecane (C14)	7.779	2915944	21.557 ug/ml
7) T n-Hexadecane (C16)	9.369	2991759	21.302 ug/ml
8) T n-Octadecane (C18)	10.802	3039784	20.809 ug/ml
10) T n-Eicosane (C20)	12.104	2999166	19.998 ug/ml
11) T n-Heneicosane (C21)	12.712	2970220	19.527 ug/ml
13) T n-Docosane (C22)	13.295	2961054	19.325 ug/ml
14) T n-Tetracosane (C24)	14.392	2864727	18.501 ug/ml
15) T n-Hexacosane (C26)	15.408	2715721	17.621 ug/ml
16) T n-Octacosane (C28)	16.354	2626266	16.965 ug/ml
17) T n-Tricontane (C30)	17.238	2526927	16.637 ug/ml
18) T n-Dotriacontane (C32)	18.067	2355209	16.715 ug/ml
19) T n-Tetratriacontane (C34)	18.847	2148106	16.996 ug/ml
20) T n-Hexatriacontane (C36)	19.583	1948600	17.815 ug/ml
21) T n-Octatriacontane (C38)	20.281	1799560	19.323 ug/mlm
22) T n-Tetracontane (C40)	21.019	1739392	20.824 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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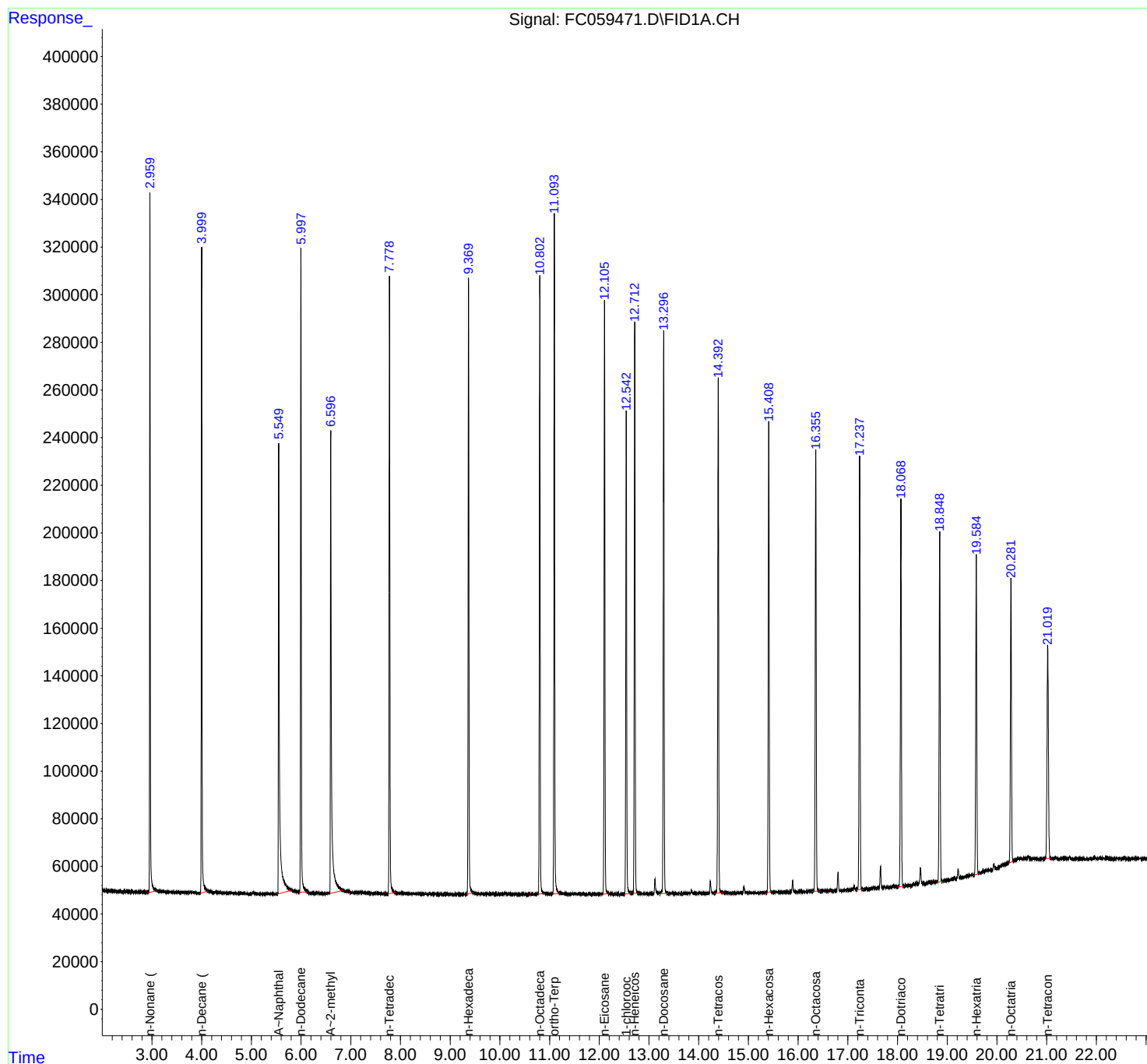
Instrument :
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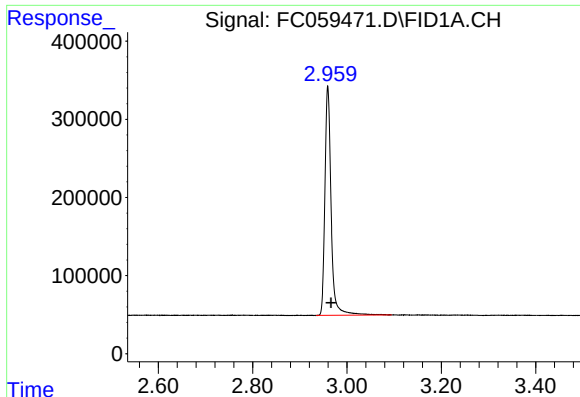
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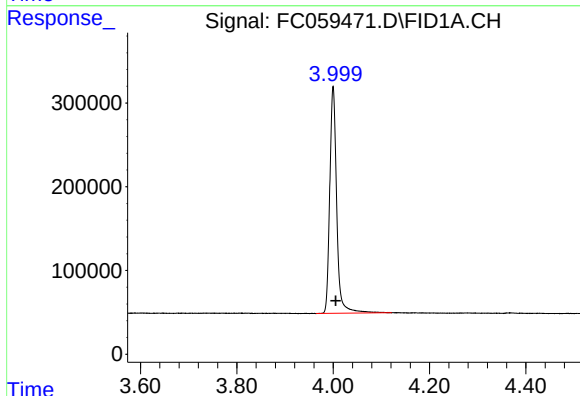
#1 n-Nonane (C9)

R.T.: 2.959 min
Delta R.T.: -0.007 min
Response: 2675619
Conc: 21.35 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

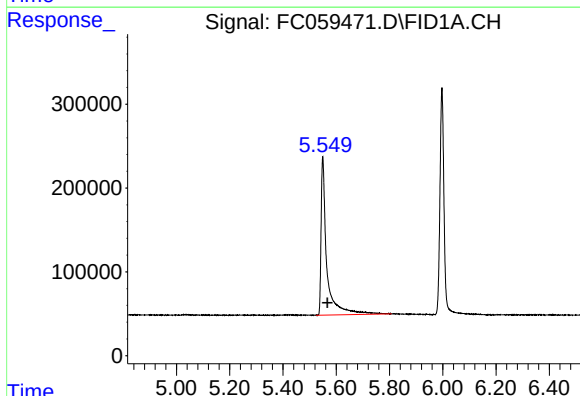
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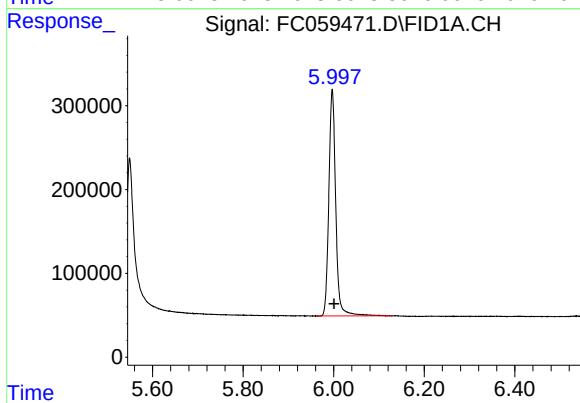
#2 n-Decane (C10)

R.T.: 4.000 min
Delta R.T.: -0.005 min
Response: 2692217
Conc: 21.55 ug/ml



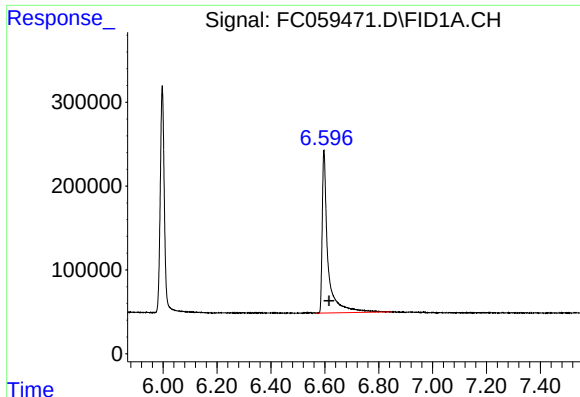
#3 A~Naphthalene (C11.7)

R.T.: 5.550 min
Delta R.T.: -0.017 min
Response: 2827360
Conc: 23.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 2860688
Conc: 21.69 ug/ml



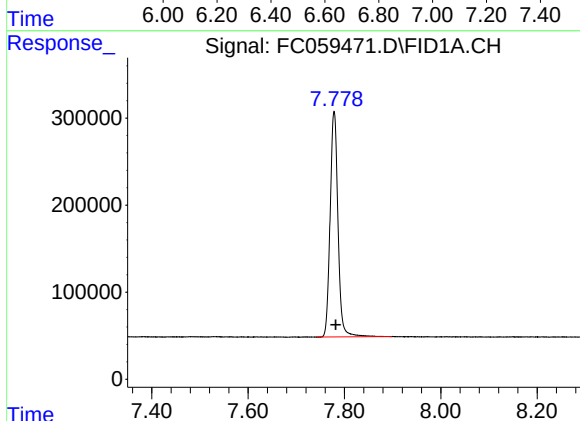
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.598 min
Delta R.T.: -0.017 min
Response: 2877919
Conc: 22.80 ug/ml

Instrument :
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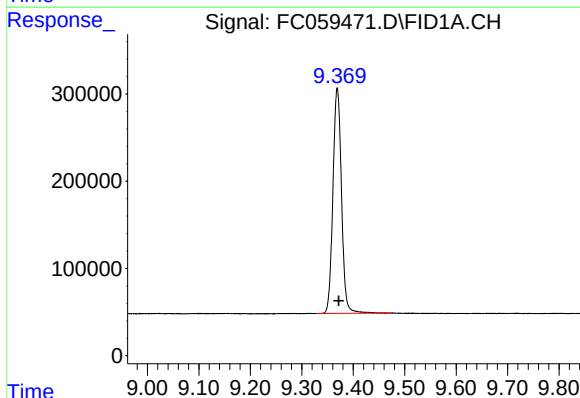
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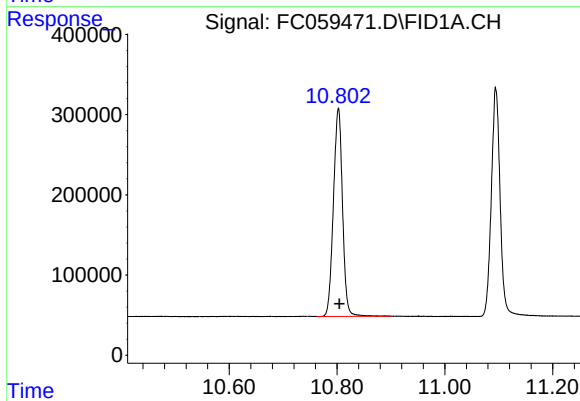
#6 n-Tetradecane (C14)

R.T.: 7.779 min
Delta R.T.: -0.003 min
Response: 2915944
Conc: 21.56 ug/ml



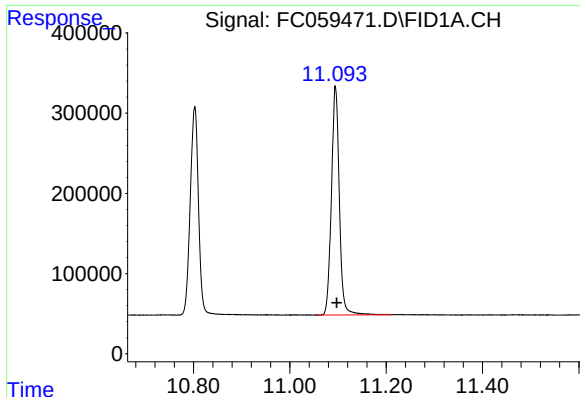
#7 n-Hexadecane (C16)

R.T.: 9.369 min
Delta R.T.: -0.003 min
Response: 2991759
Conc: 21.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.802 min
Delta R.T.: -0.002 min
Response: 3039784
Conc: 20.81 ug/ml



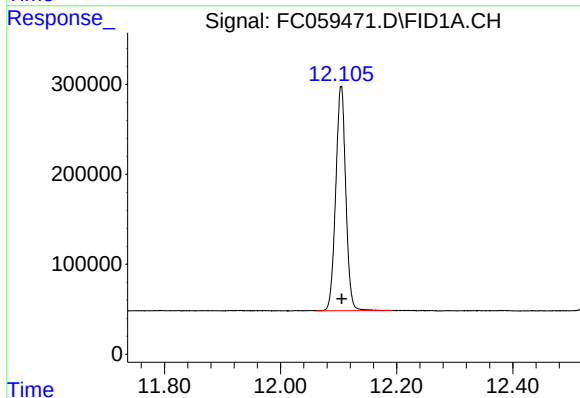
#9 ortho-Terphenyl (SURR)

R.T.: 11.095 min
Delta R.T.: -0.002 min
Response: 3238131
Conc: 20.15 ug/ml

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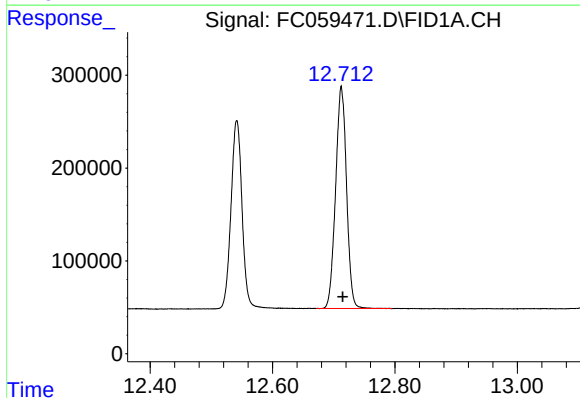
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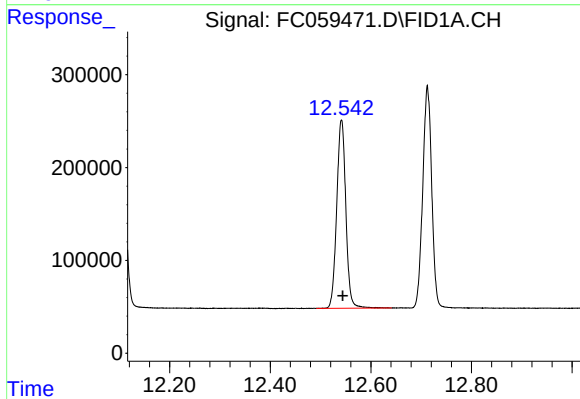
#10 n-Eicosane (C20)

R.T.: 12.104 min
Delta R.T.: -0.001 min
Response: 2999166
Conc: 20.00 ug/ml



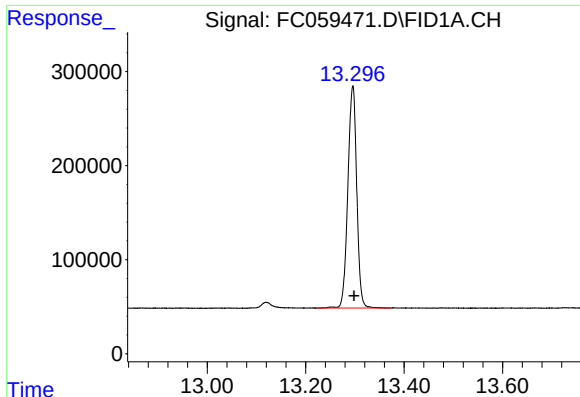
#11 n-Heneicosane (C21)

R.T.: 12.712 min
Delta R.T.: -0.002 min
Response: 2970220
Conc: 19.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.541 min
Delta R.T.: -0.003 min
Response: 2554288
Conc: 19.56 ug/ml



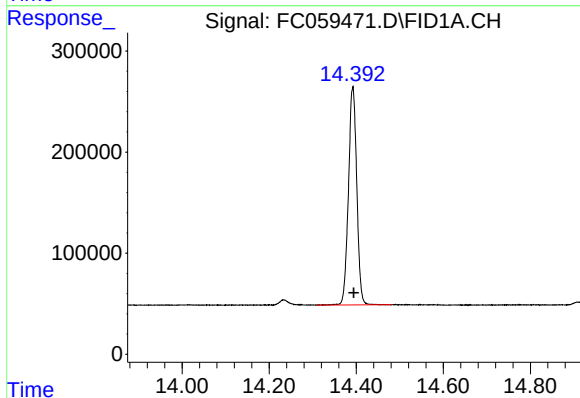
#13 n-Docosane (C22)

R.T.: 13.295 min
Delta R.T.: -0.003 min
Response: 2961054
Conc: 19.33 ug/ml

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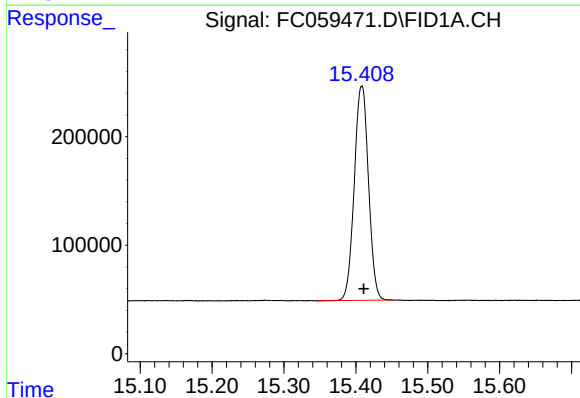
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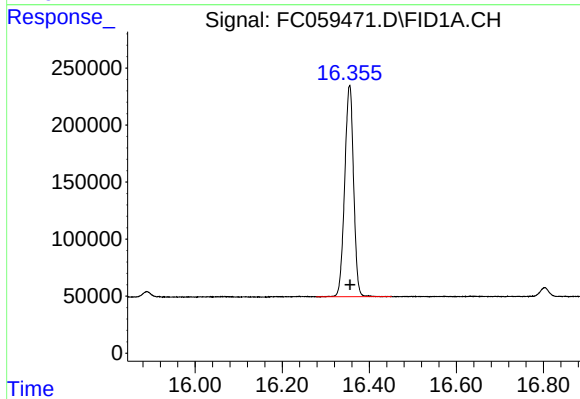
#14 n-Tetracosane (C24)

R.T.: 14.392 min
Delta R.T.: -0.002 min
Response: 2864727
Conc: 18.50 ug/ml



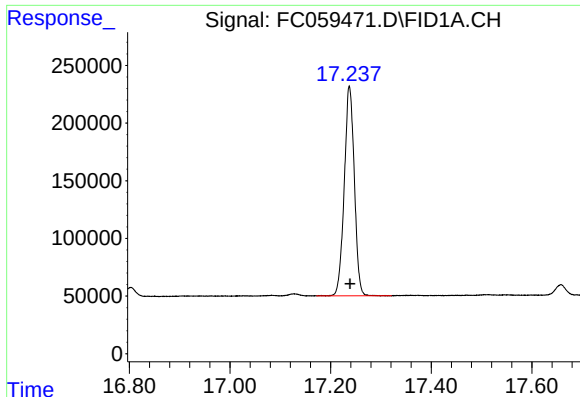
#15 n-Hexacosane (C26)

R.T.: 15.408 min
Delta R.T.: -0.003 min
Response: 2715721
Conc: 17.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.354 min
Delta R.T.: -0.002 min
Response: 2626266
Conc: 16.97 ug/ml



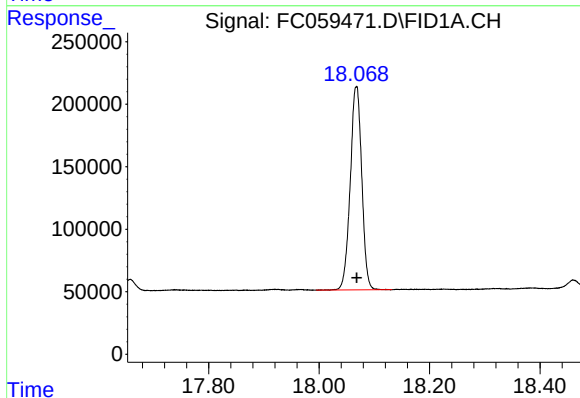
#17 n-Tricontane (C30)

R.T.: 17.238 min
Delta R.T.: -0.001 min
Response: 2526927
Conc: 16.64 ug/ml

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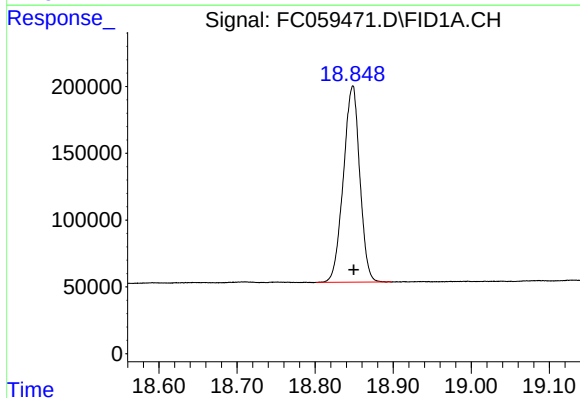
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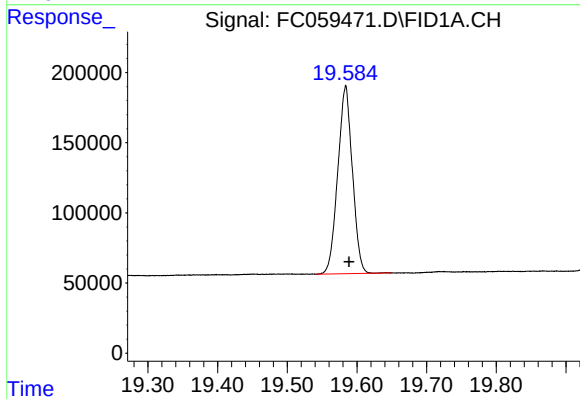
#18 n-Dotriacontane (C32)

R.T.: 18.067 min
Delta R.T.: 0.000 min
Response: 2355209
Conc: 16.72 ug/ml



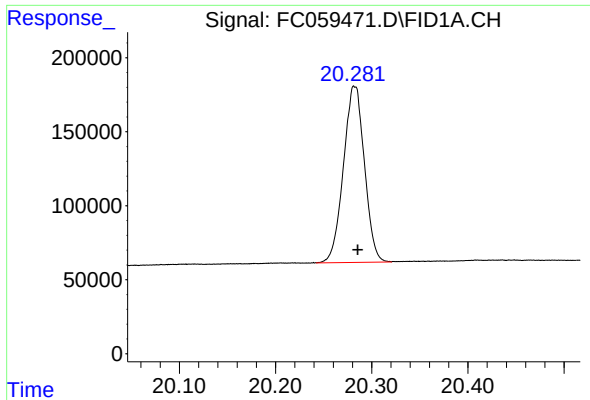
#19 n-Tetratriacontane (C34)

R.T.: 18.847 min
Delta R.T.: -0.002 min
Response: 2148106
Conc: 17.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.583 min
Delta R.T.: -0.005 min
Response: 1948600
Conc: 17.82 ug/ml



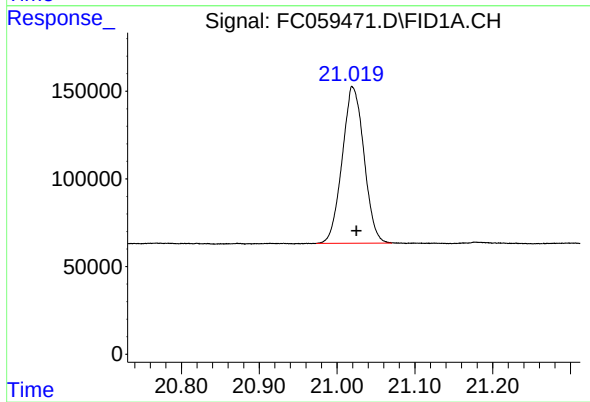
#21 n-Octatriacontane (C38)

R.T.: 20.281 min
Delta R.T.: -0.005 min
Response: 1799560
Conc: 19.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.019 min
Delta R.T.: -0.006 min
Response: 1739392
Conc: 20.82 ug/ml m