

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011422AL\
 Data File : FC057938.D
 Signal(s) : FID1A.CH
 Acq On : 15 Jan 2022 1:54
 Operator : AJ\MA
 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 01/17/2022
 Supervised By :Ankita Jodhani 01/17/2022

Integration File: sample.E
 Quant Time: Jan 15 02:11:24 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 010522.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 12:13:43 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)	10.705	3526312	18.237 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
12) S 1-chlorooctadecane (S...	12.143	2660913	18.054 ug/ml
Spiked Amount 50.000		Recovery =	36.11%
Target Compounds			
1) T n-Nonane (C9)	2.632	3054118	19.099 ug/ml
2) T n-Decane (C10)	3.622	3131503	19.483 ug/ml
3) T A~Naphthalene (C11.7)	5.159	3544505	19.520 ug/ml
4) T n-Dodecane (C12)	5.593	3155399	19.565 ug/ml
5) T A~2-methylnaphthalene...	6.200	3565844	19.500 ug/ml
6) T n-Tetradecane (C14)	7.375	3247840	19.673 ug/ml
7) T n-Hexadecane (C16)	8.967	3269158	19.571 ug/ml
8) T n-Octadecane (C18)	10.400	3288345	19.109 ug/ml
10) T n-Eicosane (C20)	11.704	3164747	18.486 ug/ml
11) T n-Heneicosane (C21)	12.313	3122366	18.056 ug/ml
13) T n-Docosane (C22)	12.896	3070202	17.746 ug/ml
14) T n-Tetracosane (C24)	13.994	3027240	17.487 ug/ml
15) T n-Hexacosane (C26)	15.011	2916999	17.333 ug/ml
16) T n-Octacosane (C28)	15.958	2988947	18.265 ug/ml
17) T n-Tricontane (C30)	16.842	3219070	20.619 ug/ml
18) T n-Dotriacontane (C32)	17.672	3156467	22.639 ug/ml
19) T n-Tetratriacontane (C34)	18.453	2824692	22.727 ug/mlm
20) T n-Hexatriacontane (C36)	19.190	2515917	22.629 ug/mlm
21) T n-Octatriacontane (C38)	19.897	2301959	22.067 ug/ml
22) T n-Tetracontane (C40)	20.723	2238566	23.379 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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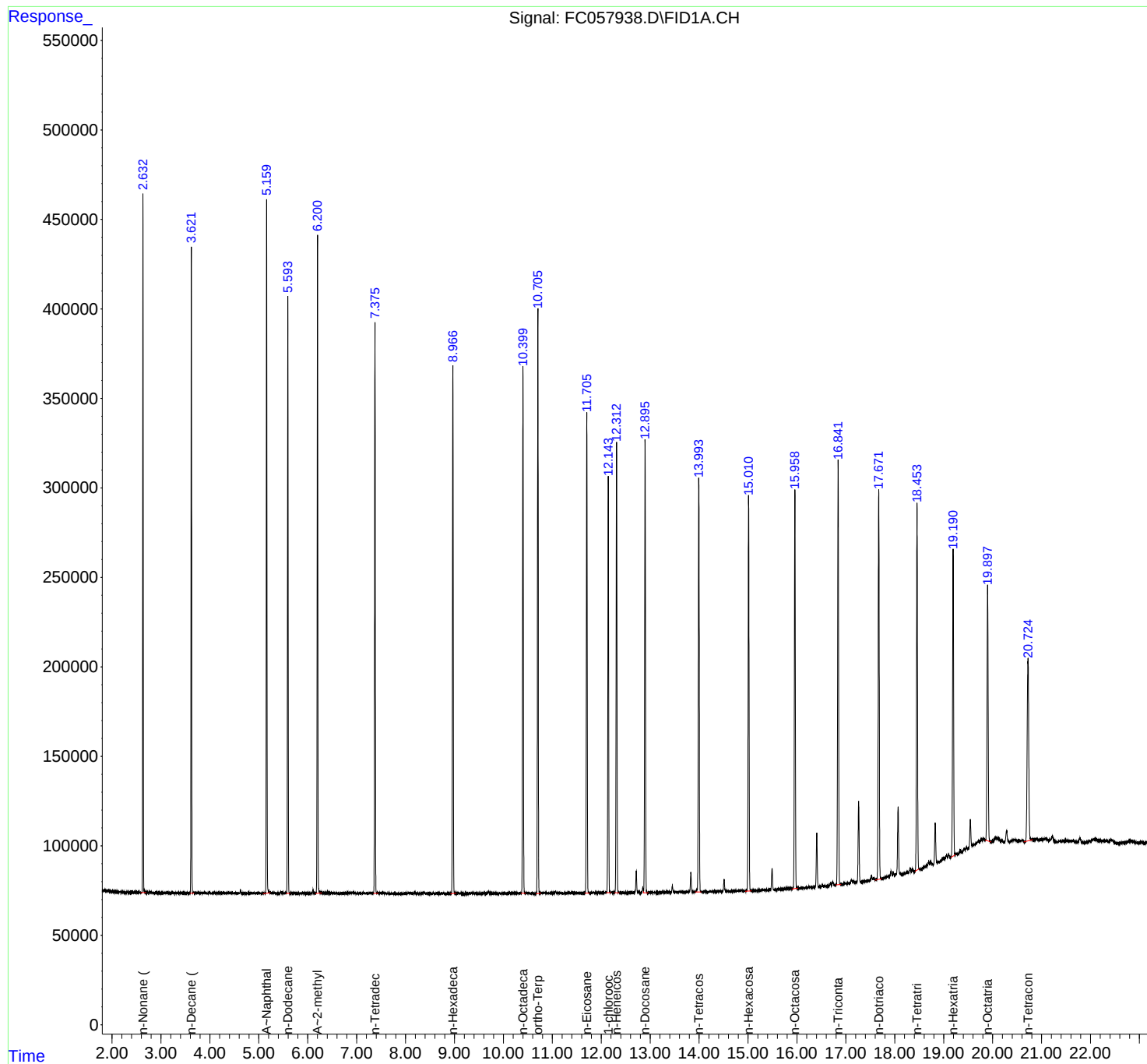
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20 PPM ALIPHATIC HC STD

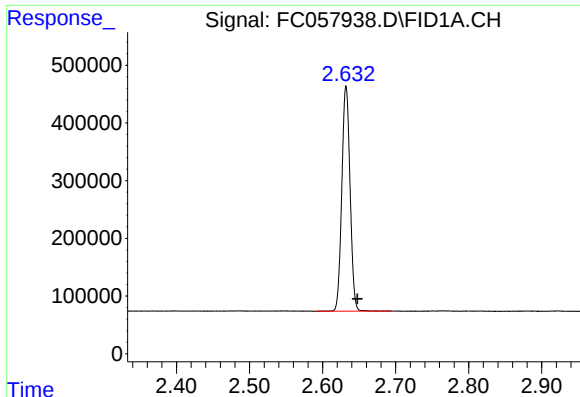
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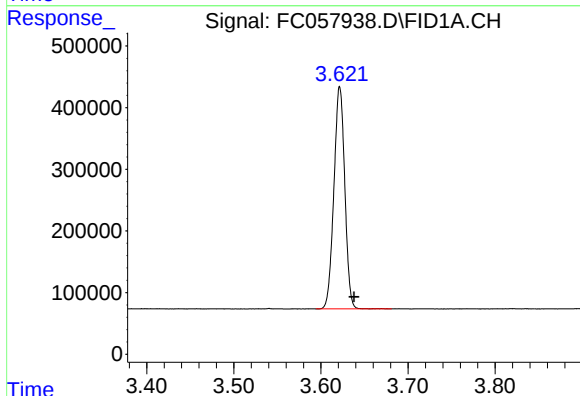
#1 n-Nonane (C9)

R.T.: 2.632 min
Delta R.T.: -0.016 min
Response: 3054118
Conc: 19.10 ug/ml

Instrument :
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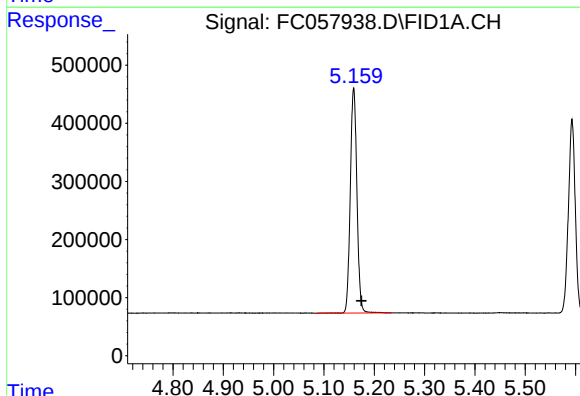
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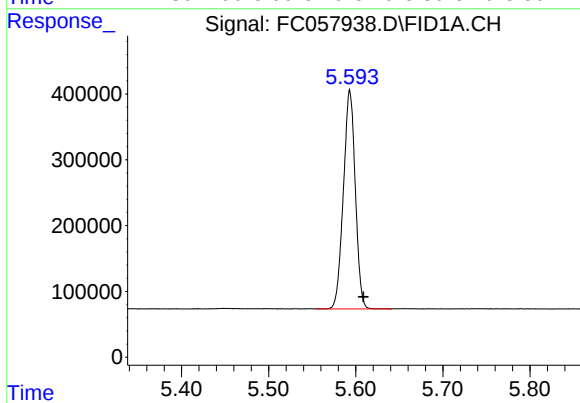
#2 n-Decane (C10)

R.T.: 3.622 min
Delta R.T.: -0.016 min
Response: 3131503
Conc: 19.48 ug/ml



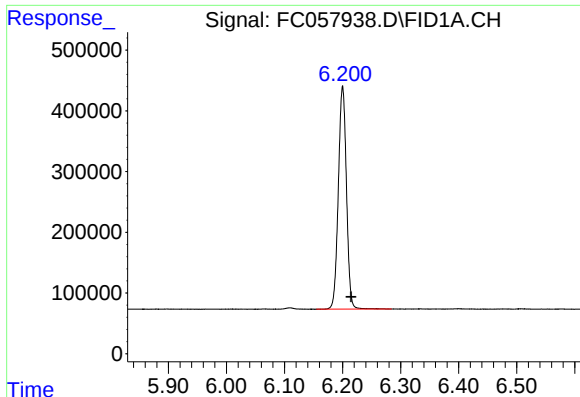
#3 A~Naphthalene (C11.7)

R.T.: 5.159 min
Delta R.T.: -0.015 min
Response: 3544505
Conc: 19.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.593 min
Delta R.T.: -0.015 min
Response: 3155399
Conc: 19.56 ug/ml



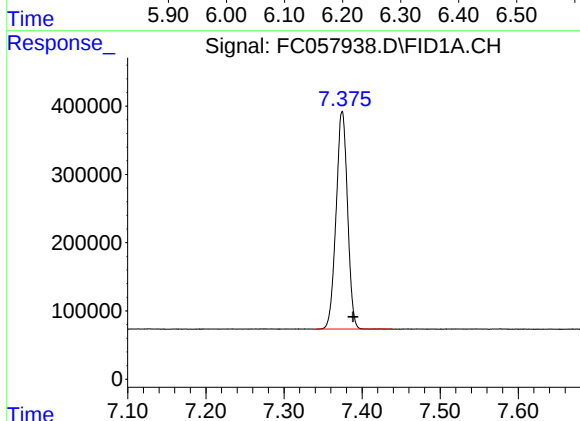
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.200 min
Delta R.T.: -0.014 min
Response: 3565844
Conc: 19.50 ug/ml

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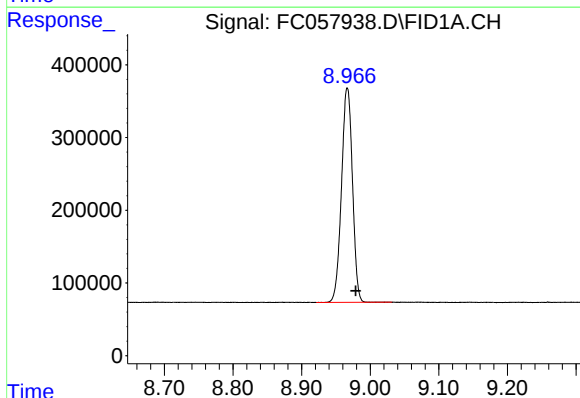
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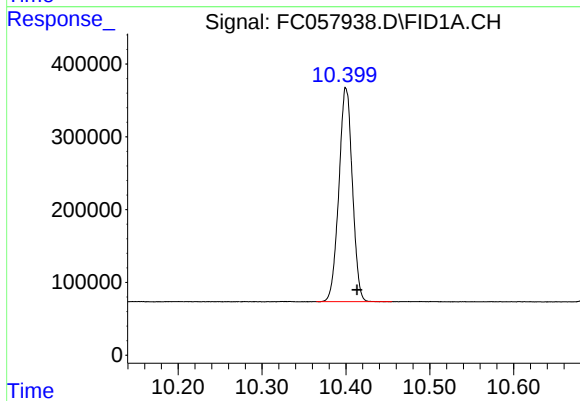
#6 n-Tetradecane (C14)

R.T.: 7.375 min
Delta R.T.: -0.014 min
Response: 3247840
Conc: 19.67 ug/ml



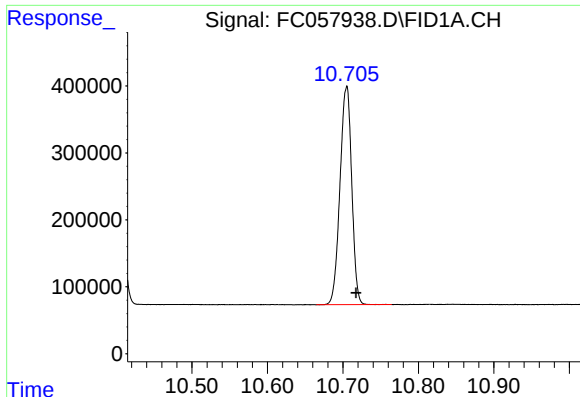
#7 n-Hexadecane (C16)

R.T.: 8.967 min
Delta R.T.: -0.012 min
Response: 3269158
Conc: 19.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.400 min
Delta R.T.: -0.013 min
Response: 3288345
Conc: 19.11 ug/ml



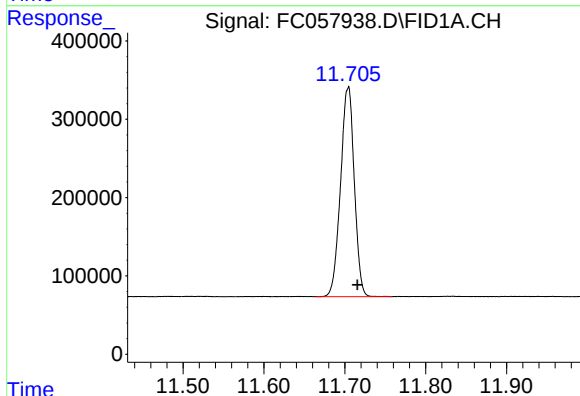
#9 ortho-Terphenyl (SURR)

R.T.: 10.705 min
Delta R.T.: -0.013 min
Response: 3526312
Conc: 18.24 ug/ml

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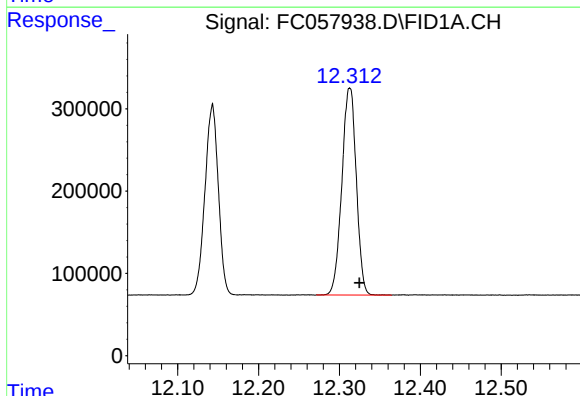
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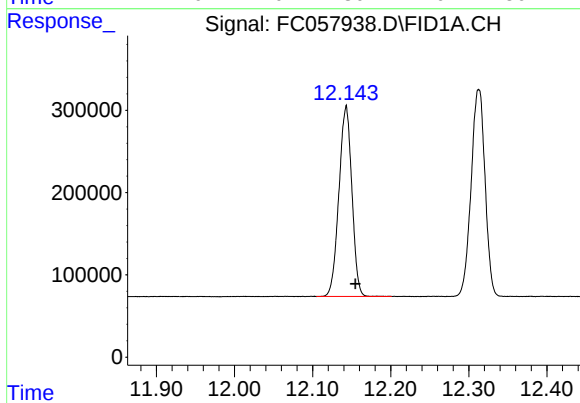
#10 n-Eicosane (C20)

R.T.: 11.704 min
Delta R.T.: -0.012 min
Response: 3164747
Conc: 18.49 ug/ml



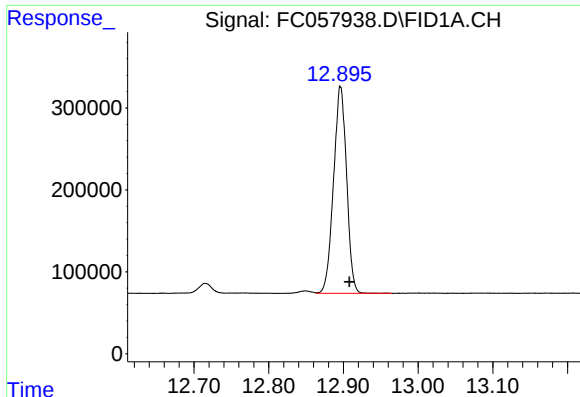
#11 n-Heneicosane (C21)

R.T.: 12.313 min
Delta R.T.: -0.012 min
Response: 3122366
Conc: 18.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.143 min
Delta R.T.: -0.012 min
Response: 2660913
Conc: 18.05 ug/ml



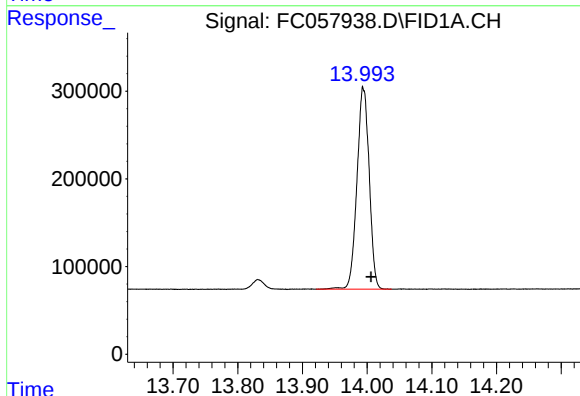
#13 n-Docosane (C22)

R.T.: 12.896 min
Delta R.T.: -0.012 min
Response: 3070202
Conc: 17.75 ug/ml

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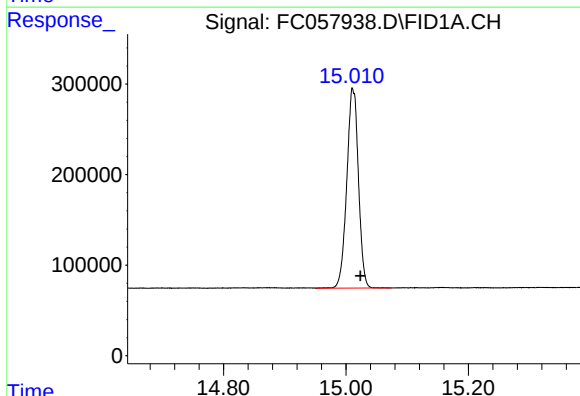
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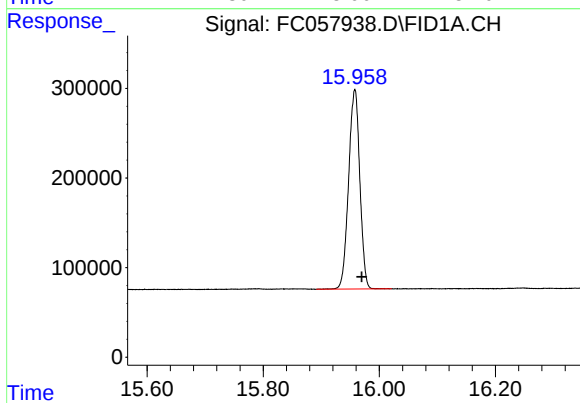
#14 n-Tetracosane (C24)

R.T.: 13.994 min
Delta R.T.: -0.012 min
Response: 3027240
Conc: 17.49 ug/ml



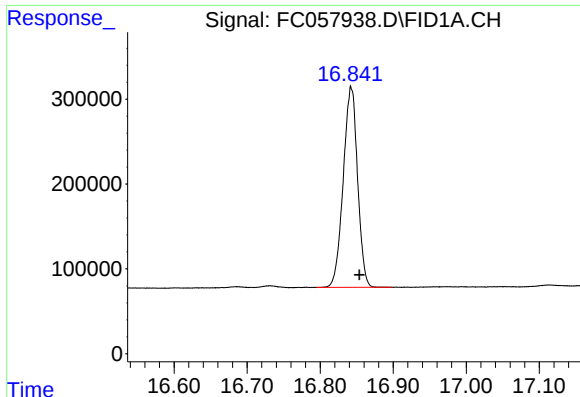
#15 n-Hexacosane (C26)

R.T.: 15.011 min
Delta R.T.: -0.012 min
Response: 2916999
Conc: 17.33 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.958 min
Delta R.T.: -0.012 min
Response: 2988947
Conc: 18.26 ug/ml



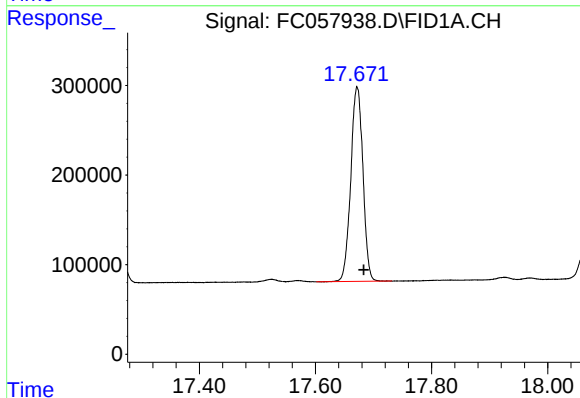
#17 n-Tricontane (C30)

R.T.: 16.842 min
Delta R.T.: -0.011 min
Response: 3219070
Conc: 20.62 ug/ml

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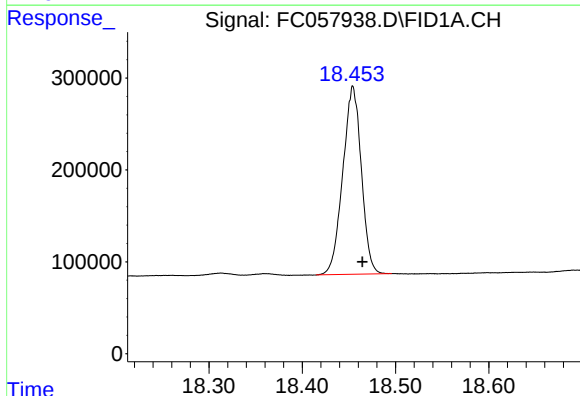
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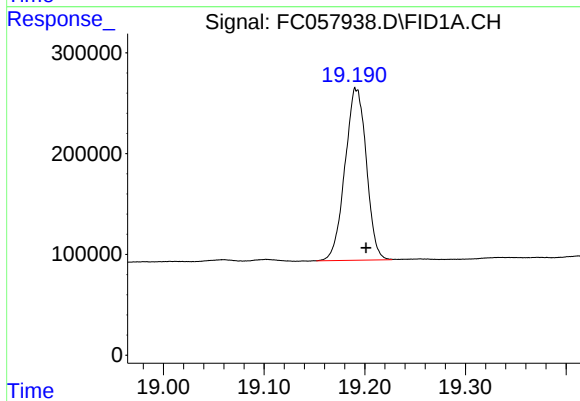
#18 n-Dotriacontane (C32)

R.T.: 17.672 min
Delta R.T.: -0.011 min
Response: 3156467
Conc: 22.64 ug/ml



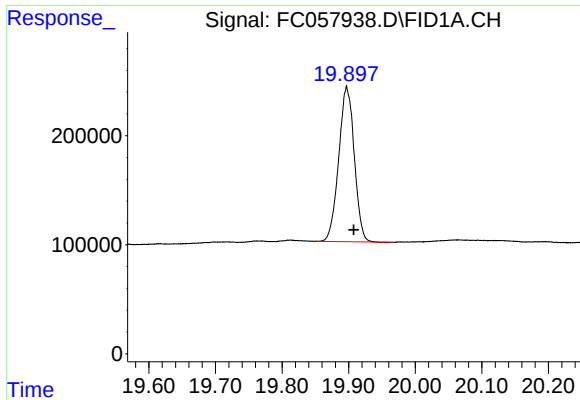
#19 n-Tetratriacontane (C34)

R.T.: 18.453 min
Delta R.T.: -0.011 min
Response: 2824692
Conc: 22.73 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.190 min
Delta R.T.: -0.012 min
Response: 2515917
Conc: 22.63 ug/ml m



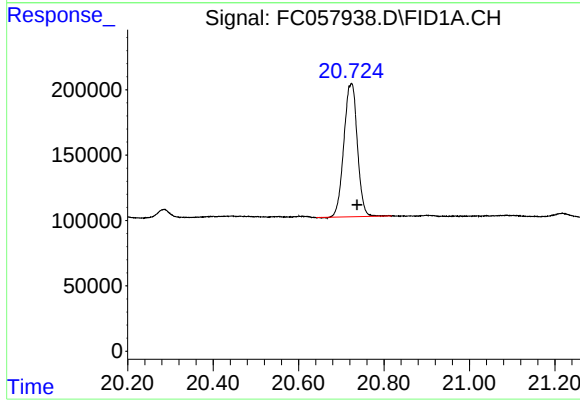
#21 n-Octatriacontane (C38)

R.T.: 19.897 min
Delta R.T.: -0.010 min
Response: 2301959
Conc: 22.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.723 min
Delta R.T.: -0.014 min
Response: 2238566
Conc: 23.38 ug/ml