

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031722AL\
 Data File : FC058800.D
 Signal(s) : FID1A.CH
 Acq On : 17 Mar 2022 15:09
 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 03/18/2022
 Supervised By :Ankita Jodhani 03/18/2022

Integration File: autoint1.e
 Quant Time: Mar 17 23:04:33 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 23 17:15:11 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)	11.396	3012604	20.683 ug/ml
Spiked Amount 50.000		Recovery =	41.37%
12) S 1-chlorooctadecane (S...	12.826	2301221	20.302 ug/ml
Spiked Amount 50.000		Recovery =	40.60%
Target Compounds			
1) T n-Nonane (C9)	3.253	2533415	21.067 ug/ml
2) T n-Decane (C10)	4.302	2518148	21.161 ug/ml
3) T A~Naphthalene (C11.7)	5.867	2577777	19.862 ug/ml
4) T n-Dodecane (C12)	6.295	2660699	21.629 ug/ml
5) T A~2-methylnaphthalene...	6.911	2552449	19.578 ug/ml
6) T n-Tetradecane (C14)	8.071	2684489	21.423 ug/ml
7) T n-Hexadecane (C16)	9.657	2733481	21.226 ug/ml
8) T n-Octadecane (C18)	11.087	2798825	21.269 ug/ml
10) T n-Eicosane (C20)	12.386	2750820	20.919 ug/ml
11) T n-Heneicosane (C21)	12.993	2746009	20.778 ug/ml
13) T n-Docosane (C22)	13.575	2711561	20.799 ug/ml
14) T n-Tetracosane (C24)	14.671	2660209	20.600 ug/ml
15) T n-Hexacosane (C26)	15.684	2583619	20.886 ug/ml
16) T n-Octacosane (C28)	16.629	2562131	21.524 ug/ml
17) T n-Tricontane (C30)	17.510	2529573	22.472 ug/ml
18) T n-Dotriacontane (C32)	18.341	2422461	22.528 ug/mlm
19) T n-Tetratriacontane (C34)	19.118	2274239	23.472 ug/ml
20) T n-Hexatriacontane (C36)	19.854	2127133	23.578 ug/ml
21) T n-Octatriacontane (C38)	20.558	2039058	23.431 ug/ml
22) T n-Tetracontane (C40)	21.379	2022151	24.097 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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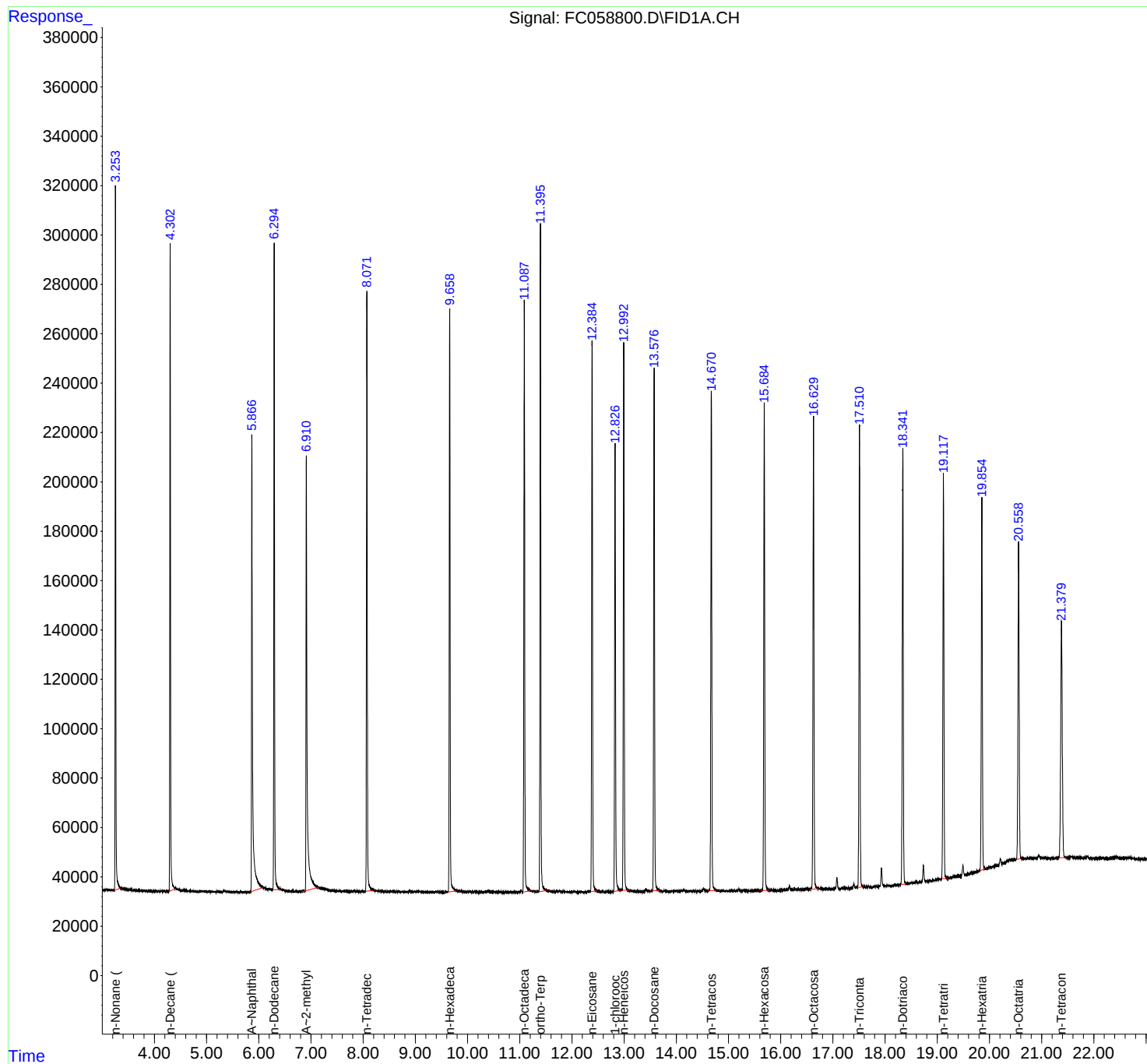
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20 PPM ALIPHATIC HC STD

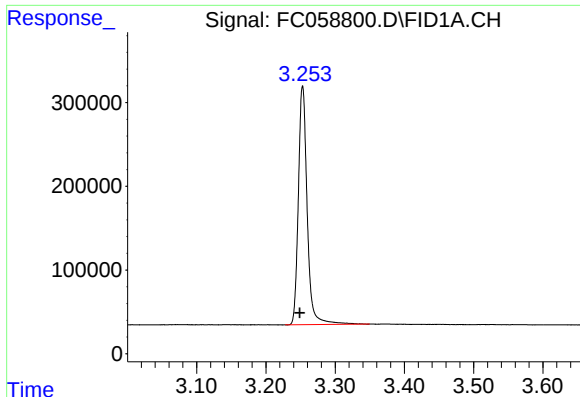
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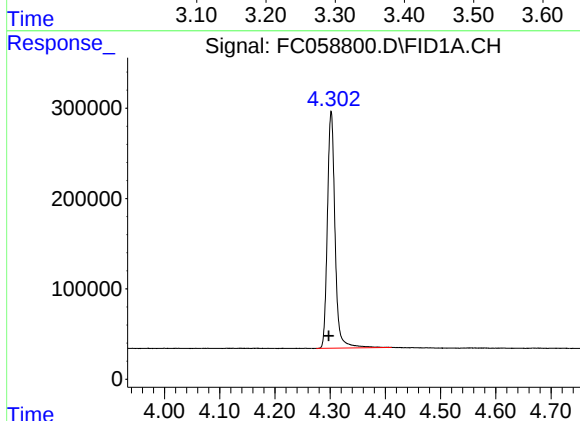
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: 0.004 min
Response: 2533415
Conc: 21.07 ug/ml

Instrument :
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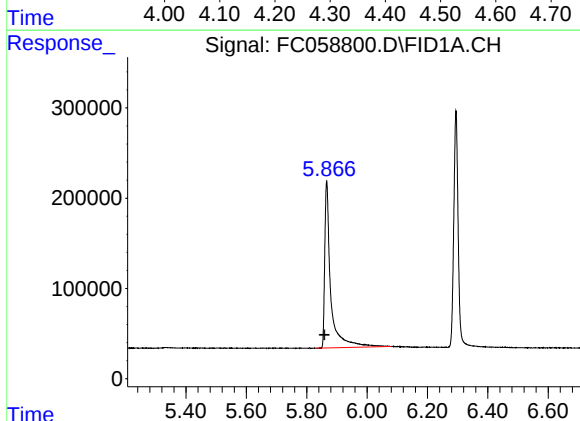
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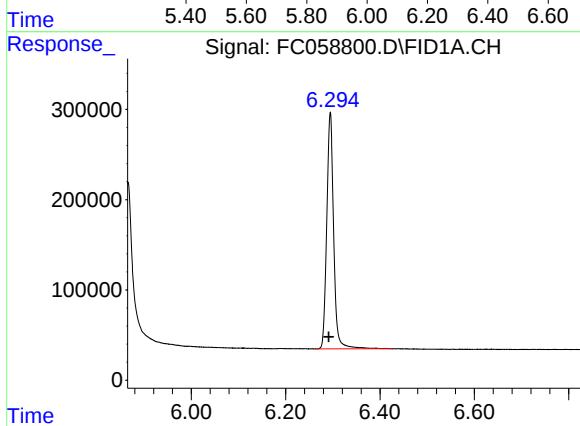
#2 n-Decane (C10)

R.T.: 4.302 min
Delta R.T.: 0.004 min
Response: 2518148
Conc: 21.16 ug/ml



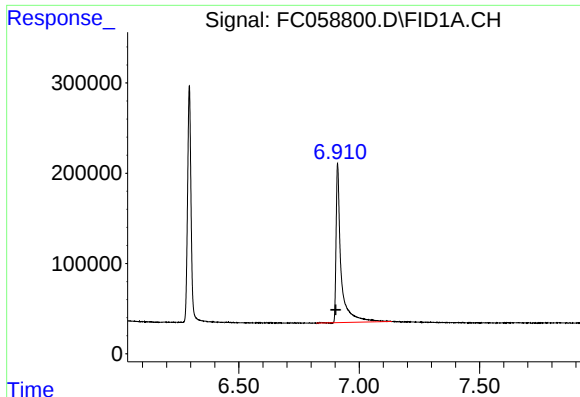
#3 A~Naphthalene (C11.7)

R.T.: 5.867 min
Delta R.T.: 0.008 min
Response: 2577777
Conc: 19.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.295 min
Delta R.T.: 0.004 min
Response: 2660699
Conc: 21.63 ug/ml



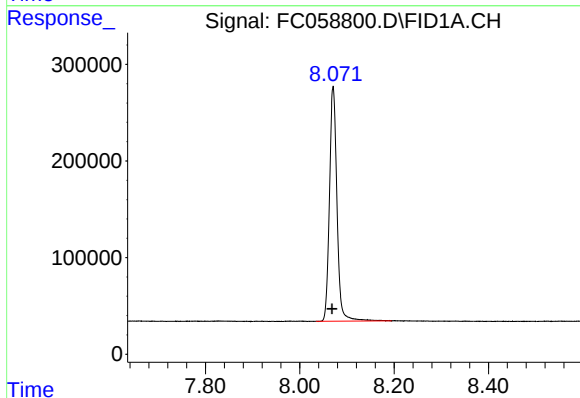
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.911 min
Delta R.T.: 0.008 min
Response: 2552449
Conc: 19.58 ug/ml

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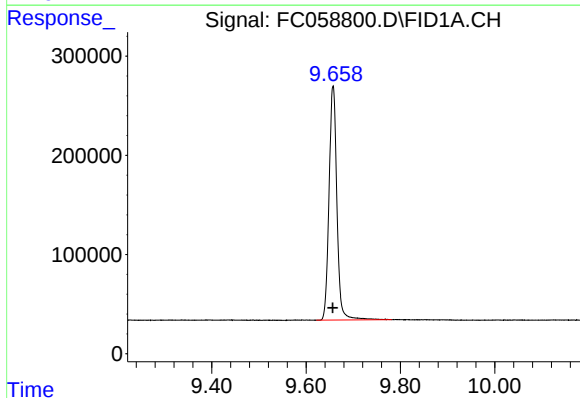
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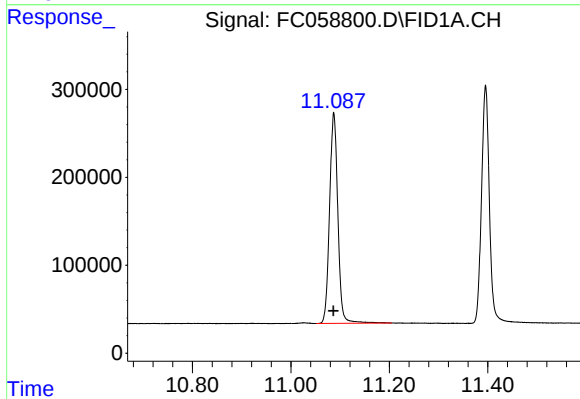
#6 n-Tetradecane (C14)

R.T.: 8.071 min
Delta R.T.: 0.002 min
Response: 2684489
Conc: 21.42 ug/ml



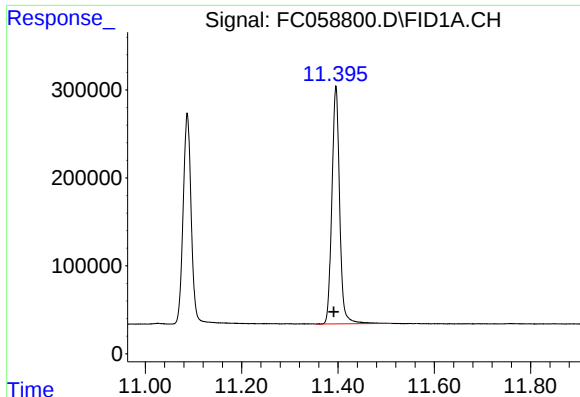
#7 n-Hexadecane (C16)

R.T.: 9.657 min
Delta R.T.: 0.000 min
Response: 2733481
Conc: 21.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.087 min
Delta R.T.: 0.000 min
Response: 2798825
Conc: 21.27 ug/ml



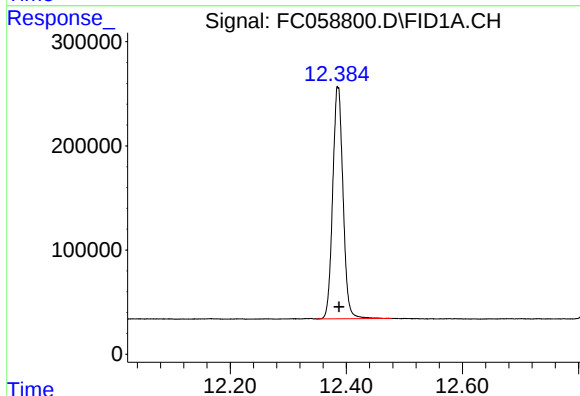
#9 ortho-Terphenyl (SURR)

R.T.: 11.396 min
Delta R.T.: 0.004 min
Response: 3012604
Conc: 20.68 ug/ml

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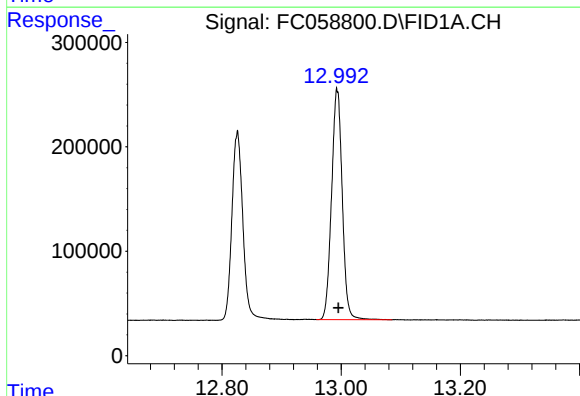
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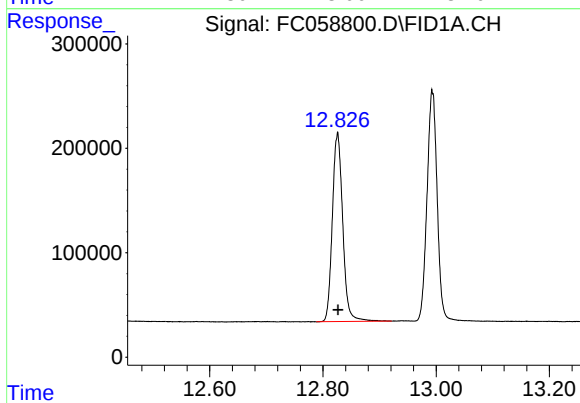
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: -0.002 min
Response: 2750820
Conc: 20.92 ug/ml



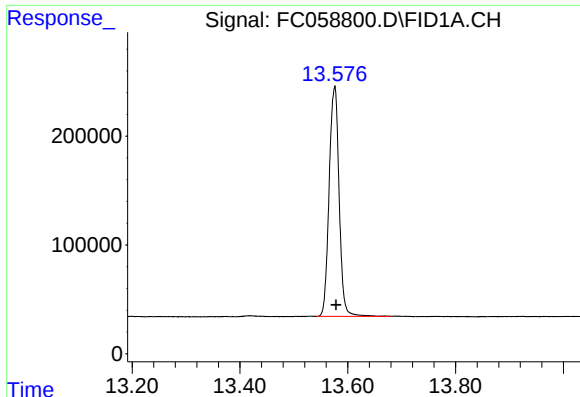
#11 n-Heneicosane (C21)

R.T.: 12.993 min
Delta R.T.: -0.002 min
Response: 2746009
Conc: 20.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 2301221
Conc: 20.30 ug/ml



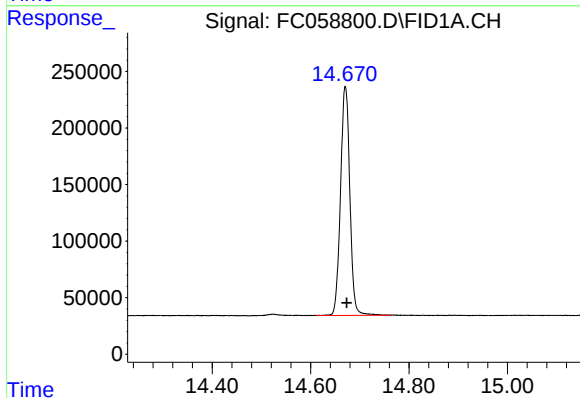
#13 n-Docosane (C22)

R.T.: 13.575 min
Delta R.T.: -0.003 min
Response: 2711561
Conc: 20.80 ug/ml

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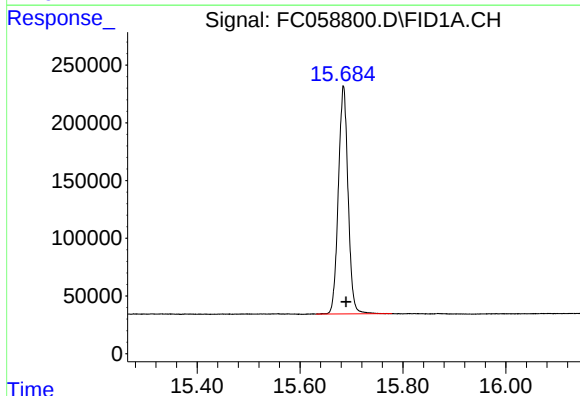
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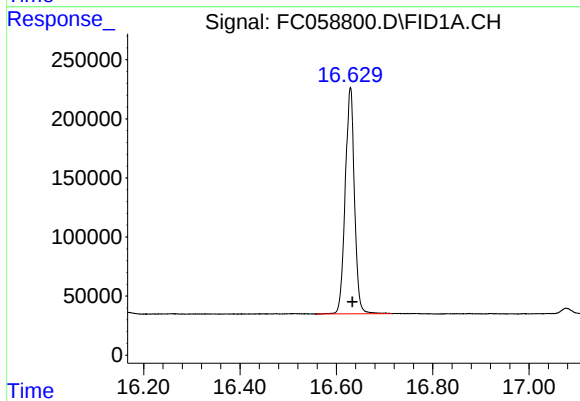
#14 n-Tetracosane (C24)

R.T.: 14.671 min
Delta R.T.: -0.003 min
Response: 2660209
Conc: 20.60 ug/ml



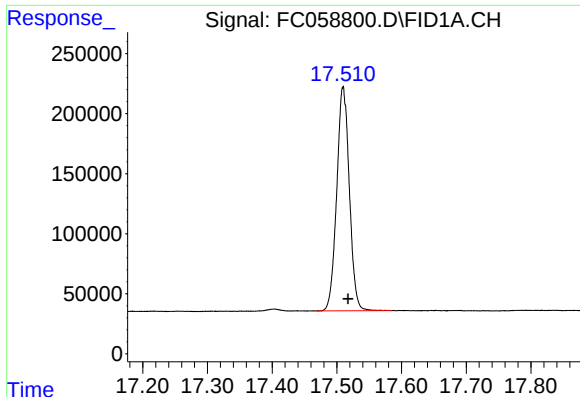
#15 n-Hexacosane (C26)

R.T.: 15.684 min
Delta R.T.: -0.005 min
Response: 2583619
Conc: 20.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.629 min
Delta R.T.: -0.004 min
Response: 2562131
Conc: 21.52 ug/ml



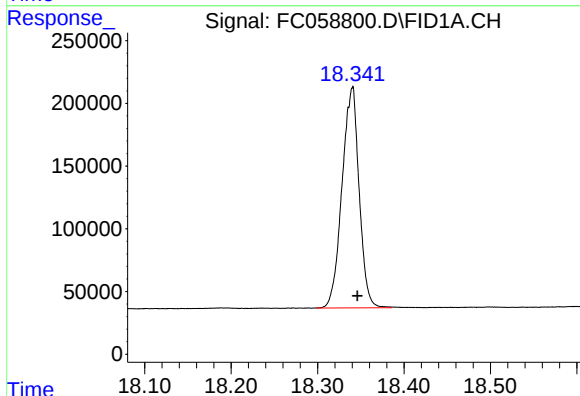
#17 n-Tricontane (C30)

R.T.: 17.510 min
Delta R.T.: -0.007 min
Response: 2529573
Conc: 22.47 ug/ml

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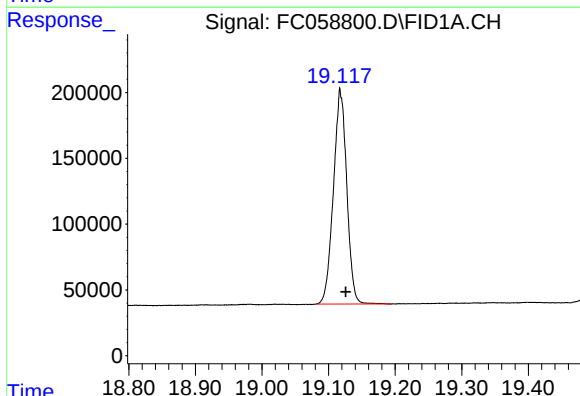
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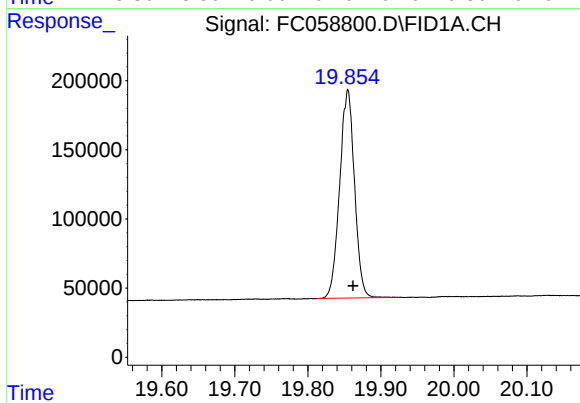
#18 n-Dotriacontane (C32)

R.T.: 18.341 min
Delta R.T.: -0.005 min
Response: 2422461
Conc: 22.53 ug/ml m



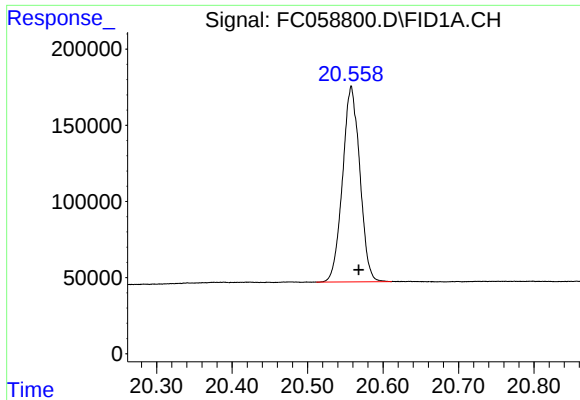
#19 n-Tetratriacontane (C34)

R.T.: 19.118 min
Delta R.T.: -0.008 min
Response: 2274239
Conc: 23.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.854 min
Delta R.T.: -0.008 min
Response: 2127133
Conc: 23.58 ug/ml



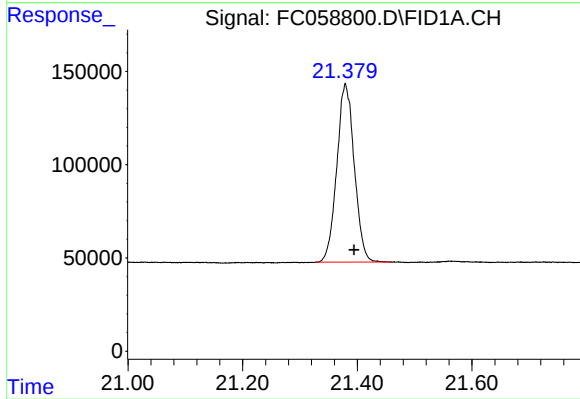
#21 n-Octatriacontane (C38)

R.T.: 20.558 min
Delta R.T.: -0.010 min
Response: 2039058
Conc: 23.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.379 min
Delta R.T.: -0.016 min
Response: 2022151
Conc: 24.10 ug/ml