

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121721AL\
 Data File : FC057586.D
 Signal(s) : FID1A.CH
 Acq On : 17 Dec 2021 23:30
 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 12/23/2021
 Supervised By :Ankita Jodhani 12/23/2021

Integration File: sample.E
 Quant Time: Dec 18 00:35:47 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121421.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 14 20:43:13 2021
 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)	10.806	2741808	19.703 ug/ml
Spiked Amount 50.000		Recovery =	39.41%
12) S 1-chlorooctadecane (S...	12.244	2090511	18.878 ug/mlm
Spiked Amount 50.000		Recovery =	37.76%
Target Compounds			
1) T n-Nonane (C9)	2.676	2580187	20.884 ug/mlm
2) T n-Decane (C10)	3.679	2620114	21.036 ug/mlm
3) T A~Naphthalene (C11.7)	5.234	2946845	21.241 ug/mlm
4) T n-Dodecane (C12)	5.666	2642271	21.396 ug/ml
5) T A~2-methylnaphthalene...	6.282	2982459	21.327 ug/ml
6) T n-Tetradecane (C14)	7.454	2622194	21.176 ug/mlm
7) T n-Hexadecane (C16)	9.053	2615004	20.855 ug/ml
8) T n-Octadecane (C18)	10.494	2622411	20.260 ug/ml
10) T n-Eicosane (C20)	11.801	2515105	19.360 ug/mlm
11) T n-Heneicosane (C21)	12.414	2514861	19.162 ug/ml
13) T n-Docosane (C22)	12.999	2454685	18.676 ug/ml
14) T n-Tetracosane (C24)	14.101	2417642	18.177 ug/ml
15) T n-Hexacosane (C26)	15.120	2289810	17.462 ug/ml
16) T n-Octacosane (C28)	16.070	2262187	17.202 ug/ml
17) T n-Tricontane (C30)	16.959	2270836	16.616 ug/mlm
18) T n-Dotriacontane (C32)	17.789	2302536	17.173 ug/mlm
19) T n-Tetratriacontane (C34)	18.574	2273777	17.438 ug/mlm
20) T n-Hexatriacontane (C36)	19.316	2228876	18.771 ug/mlm
21) T n-Octatriacontane (C38)	20.033	2167042	19.731 ug/mlm
22) T n-Tetracontane (C40)	20.915	2171370	21.748 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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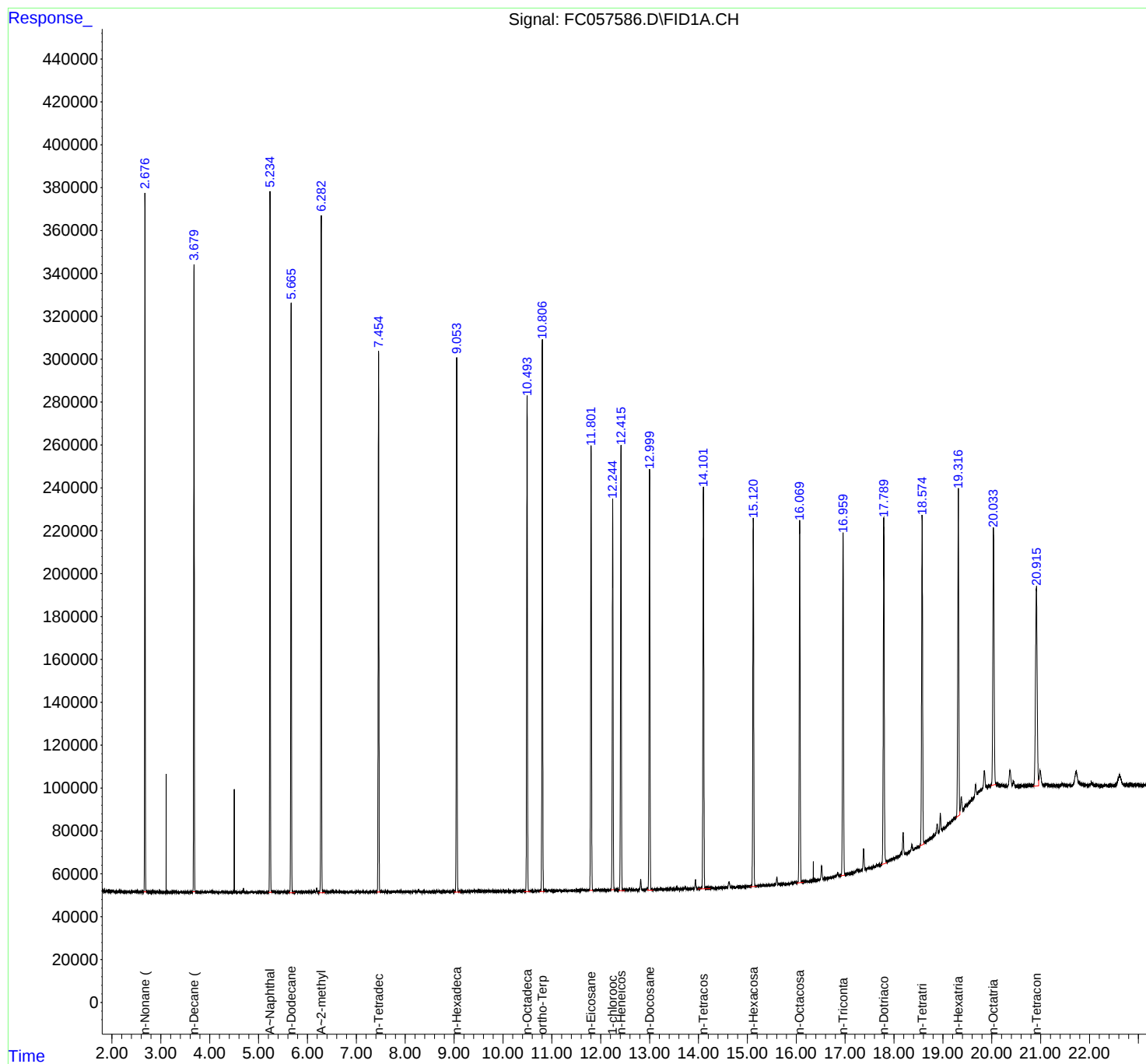
Instrument :
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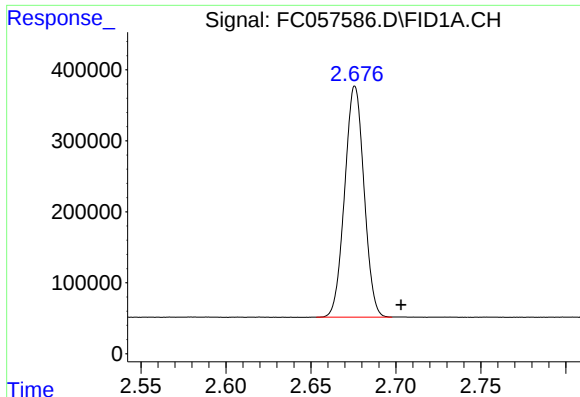
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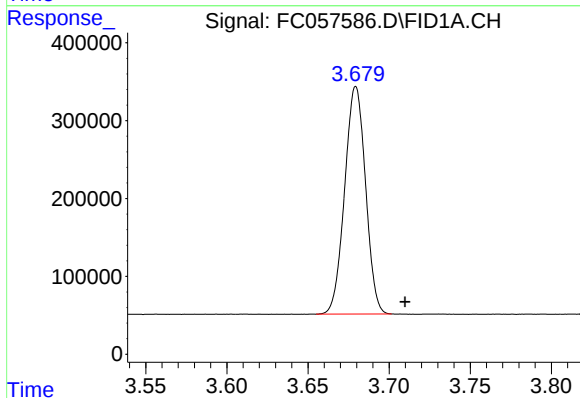
#1 n-Nonane (C9)

R.T.: 2.676 min
Delta R.T.: -0.027 min
Response: 2580187
Conc: 20.88 ug/ml

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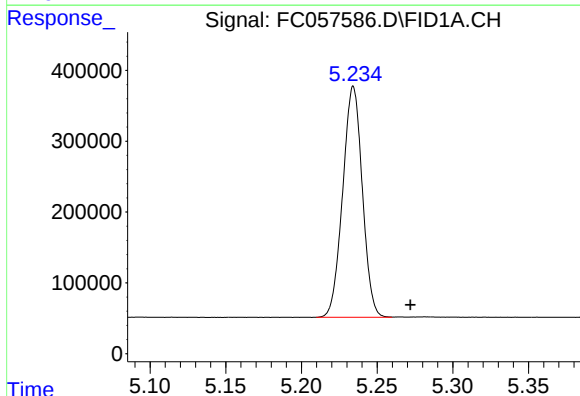
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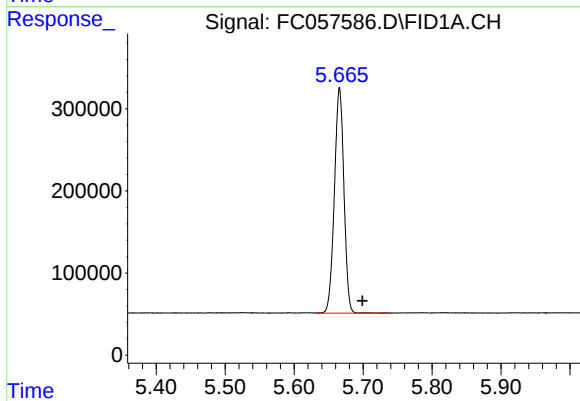
#2 n-Decane (C10)

R.T.: 3.679 min
Delta R.T.: -0.031 min
Response: 2620114
Conc: 21.04 ug/ml m



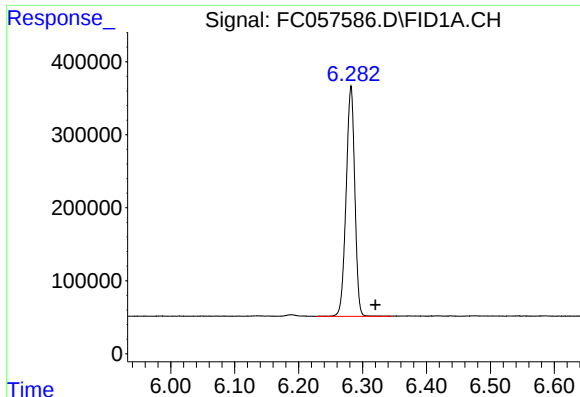
#3 A~Naphthalene (C11.7)

R.T.: 5.234 min
Delta R.T.: -0.038 min
Response: 2946845
Conc: 21.24 ug/ml m



#4 n-Dodecane (C12)

R.T.: 5.666 min
Delta R.T.: -0.033 min
Response: 2642271
Conc: 21.40 ug/ml



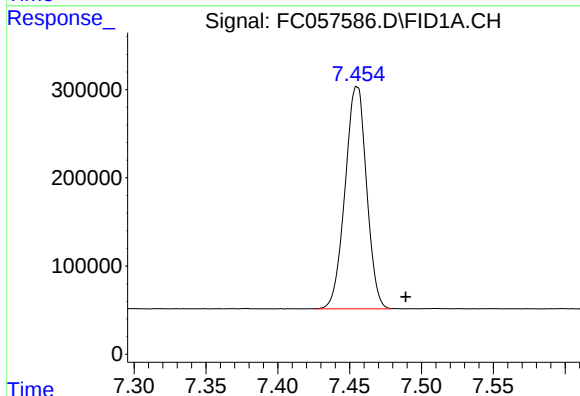
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.282 min
Delta R.T.: -0.038 min
Response: 2982459
Conc: 21.33 ug/ml

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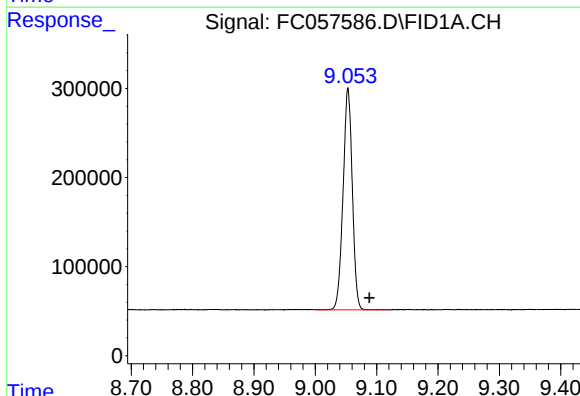
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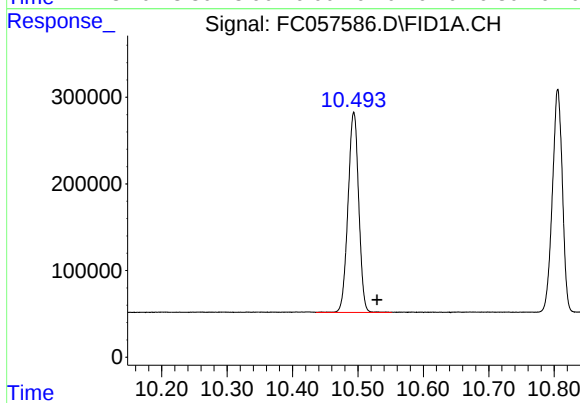
#6 n-Tetradecane (C14)

R.T.: 7.454 min
Delta R.T.: -0.035 min
Response: 2622194
Conc: 21.18 ug/ml m



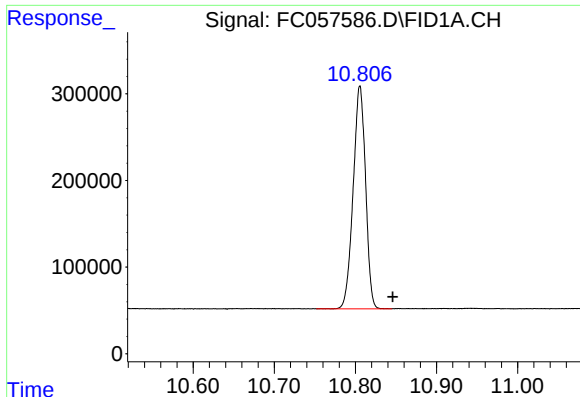
#7 n-Hexadecane (C16)

R.T.: 9.053 min
Delta R.T.: -0.035 min
Response: 2615004
Conc: 20.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.494 min
Delta R.T.: -0.035 min
Response: 2622411
Conc: 20.26 ug/ml



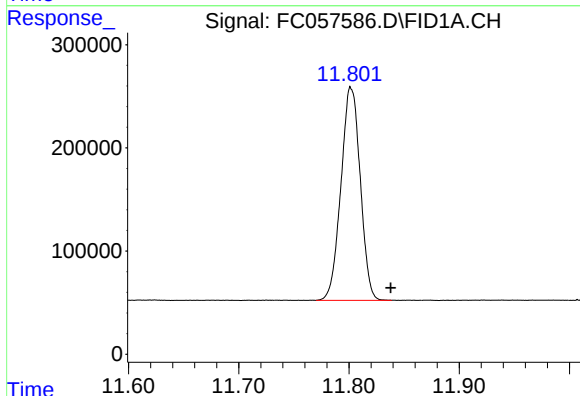
#9 ortho-Terphenyl (SURR)

R.T.: 10.806 min
Delta R.T.: -0.040 min
Response: 2741808
Conc: 19.70 ug/ml

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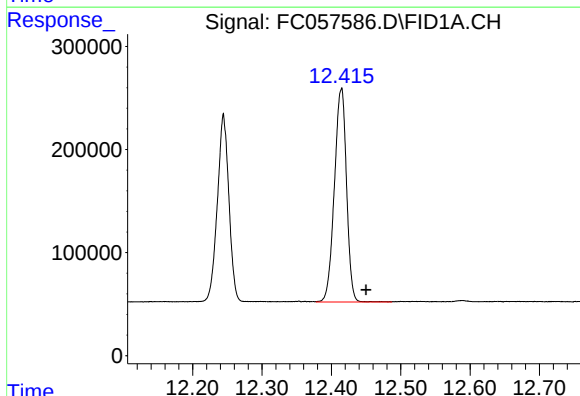
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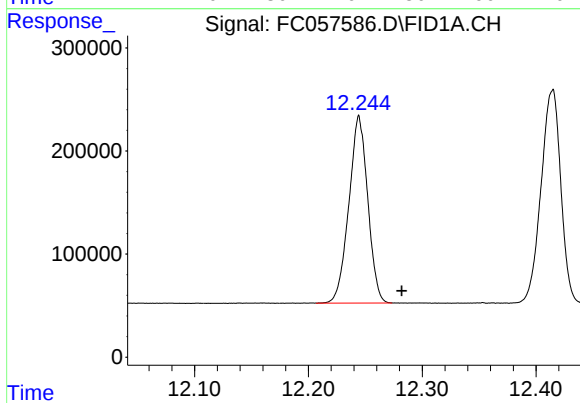
#10 n-Eicosane (C20)

R.T.: 11.801 min
Delta R.T.: -0.037 min
Response: 2515105
Conc: 19.36 ug/ml m



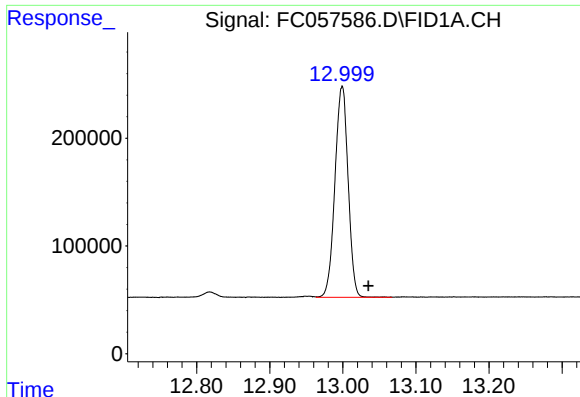
#11 n-Heneicosane (C21)

R.T.: 12.414 min
Delta R.T.: -0.036 min
Response: 2514861
Conc: 19.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.244 min
Delta R.T.: -0.038 min
Response: 2090511
Conc: 18.88 ug/ml m



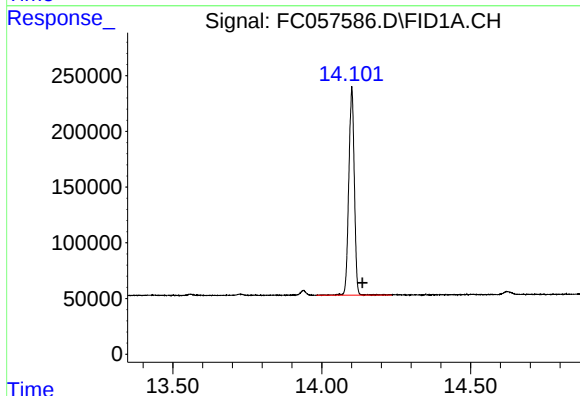
#13 n-Docosane (C22)

R.T.: 12.999 min
Delta R.T.: -0.036 min
Response: 2454685
Conc: 18.68 ug/ml

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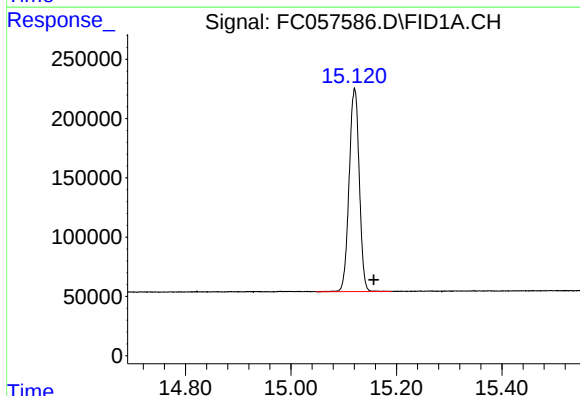
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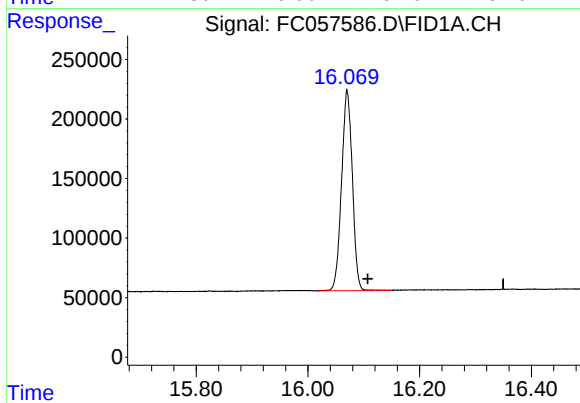
#14 n-Tetracosane (C24)

R.T.: 14.101 min
Delta R.T.: -0.036 min
Response: 2417642
Conc: 18.18 ug/ml



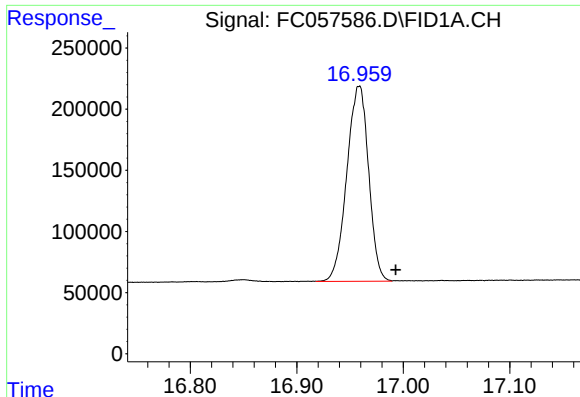
#15 n-Hexacosane (C26)

R.T.: 15.120 min
Delta R.T.: -0.037 min
Response: 2289810
Conc: 17.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.070 min
Delta R.T.: -0.037 min
Response: 2262187
Conc: 17.20 ug/ml



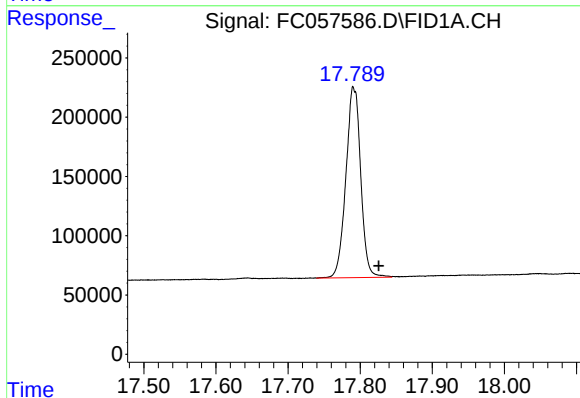
#17 n-Tricontane (C30)

R.T.: 16.959 min
Delta R.T.: -0.034 min
Response: 2270836
Conc: 16.62 ug/ml

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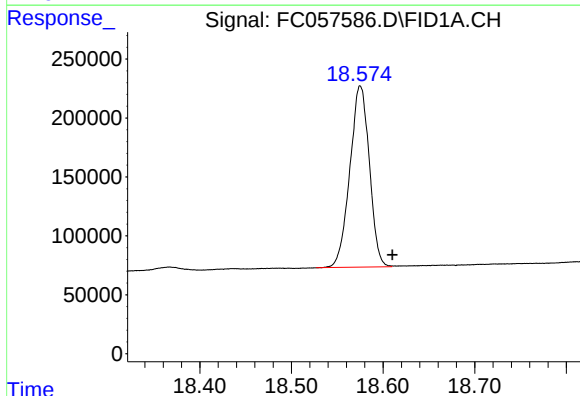
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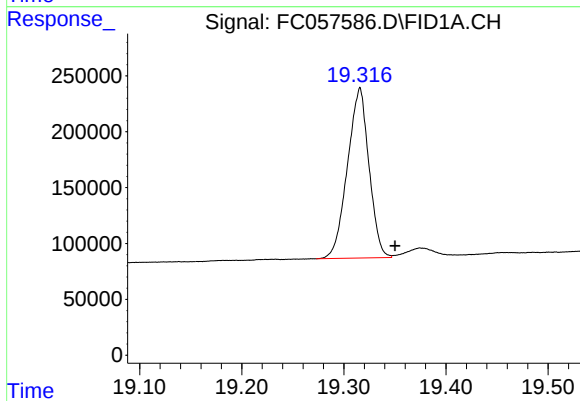
#18 n-Dotriacontane (C32)

R.T.: 17.789 min
Delta R.T.: -0.037 min
Response: 2302536
Conc: 17.17 ug/ml m



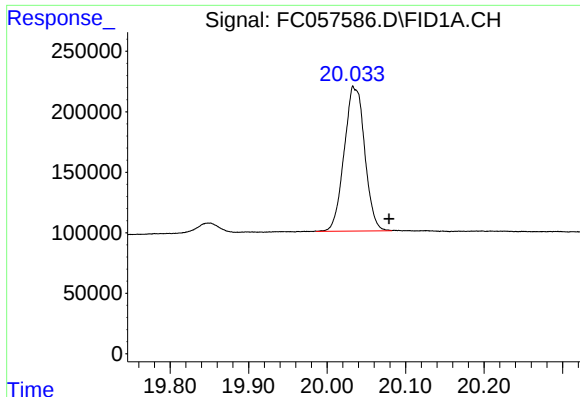
#19 n-Tetratriacontane (C34)

R.T.: 18.574 min
Delta R.T.: -0.036 min
Response: 2273777
Conc: 17.44 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.316 min
Delta R.T.: -0.034 min
Response: 2228876
Conc: 18.77 ug/ml m



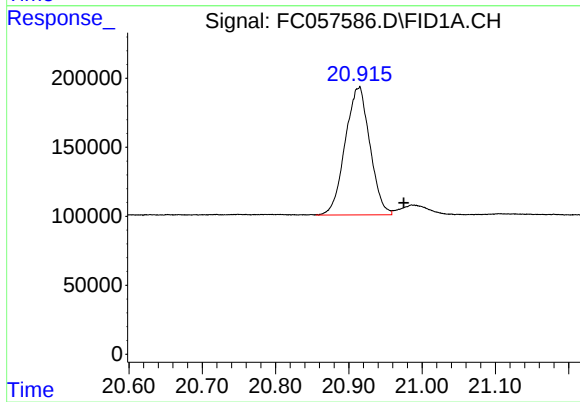
#21 n-Octatriacontane (C38)

R.T.: 20.033 min
Delta R.T.: -0.046 min
Response: 2167042
Conc: 19.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.915 min
Delta R.T.: -0.060 min
Response: 2171370
Conc: 21.75 ug/ml m