

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011122AL\
 Data File : FC057826.D
 Signal(s) : FID1A.CH
 Acq On : 11 Jan 2022 13:54
 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 01/12/2022
 Supervised By :Ankita Jodhani 01/13/2022

Integration File: autoint1.e
 Quant Time: Jan 11 23:56:31 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)	10.704	3840885	19.863 ug/ml
Spiked Amount 50.000		Recovery =	39.73%
12) S 1-chlorooctadecane (S...	12.141	2903165	19.698 ug/ml
Spiked Amount 50.000		Recovery =	39.40%
Target Compounds			
1) T n-Nonane (C9)	2.634	3275049	20.480 ug/ml
2) T n-Decane (C10)	3.623	3352939	20.861 ug/ml
3) T A~Naphthalene (C11.7)	5.160	3801507	20.936 ug/ml
4) T n-Dodecane (C12)	5.595	3373729	20.919 ug/ml
5) T A~2-methylnaphthalene...	6.201	3829961	20.944 ug/ml
6) T n-Tetradecane (C14)	7.375	3471741	21.029 ug/ml
7) T n-Hexadecane (C16)	8.966	3484994	20.863 ug/ml
8) T n-Octadecane (C18)	10.401	3528508	20.504 ug/ml
10) T n-Eicosane (C20)	11.703	3413048	19.937 ug/ml
11) T n-Heneicosane (C21)	12.312	3387582	19.590 ug/ml
13) T n-Docosane (C22)	12.895	3337138	19.289 ug/ml
14) T n-Tetracosane (C24)	13.992	3293277	19.024 ug/ml
15) T n-Hexacosane (C26)	15.009	3162095	18.790 ug/ml
16) T n-Octacosane (C28)	15.954	3158815	19.303 ug/ml
17) T n-Tricontane (C30)	16.840	3251295	20.825 ug/ml
18) T n-Dotriacontane (C32)	17.670	3088986	22.155 ug/ml
19) T n-Tetratriacontane (C34)	18.451	2797087	22.505 ug/mlm
20) T n-Hexatriacontane (C36)	19.187	2528638	22.744 ug/ml
21) T n-Octatriacontane (C38)	19.891	2370022	22.720 ug/ml
22) T n-Tetracontane (C40)	20.716	2314181	24.168 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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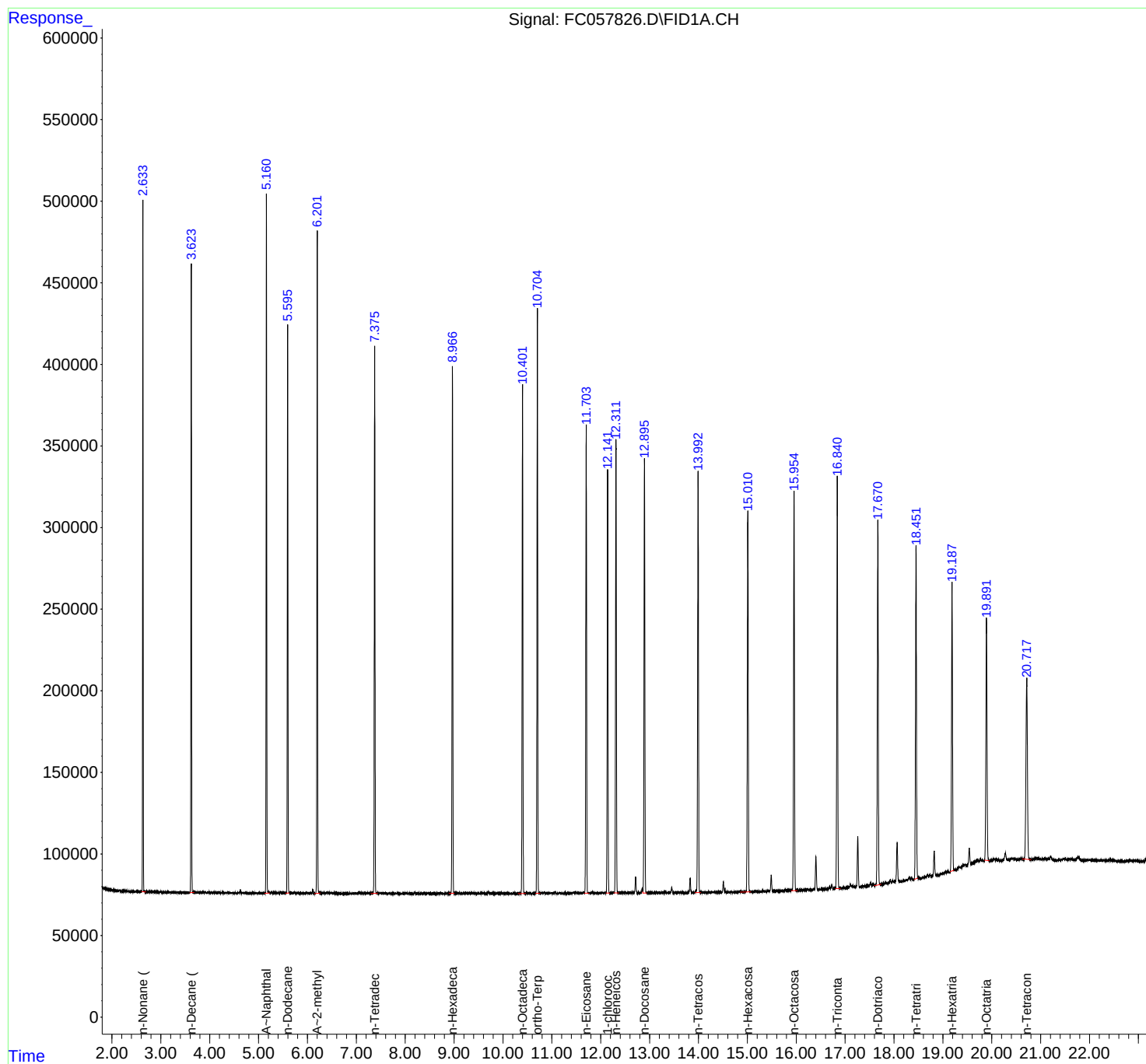
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20 PPM ALIPHATIC HC STD

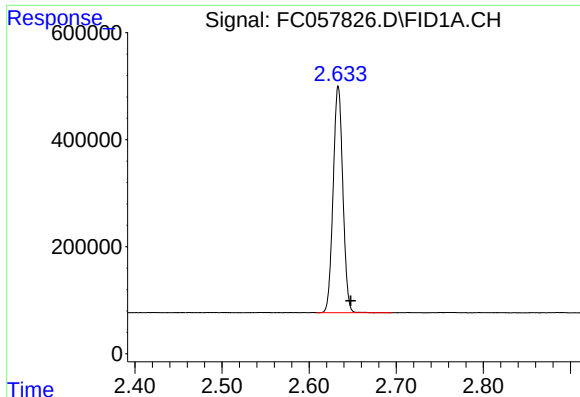
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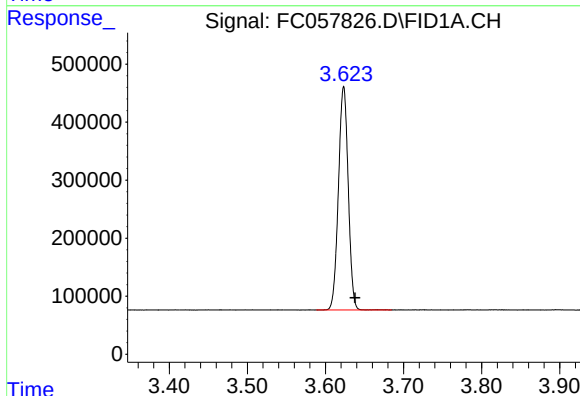
#1 n-Nonane (C9)

R.T.: 2.634 min
Delta R.T.: -0.014 min
Response: 3275049
Conc: 20.48 ug/ml

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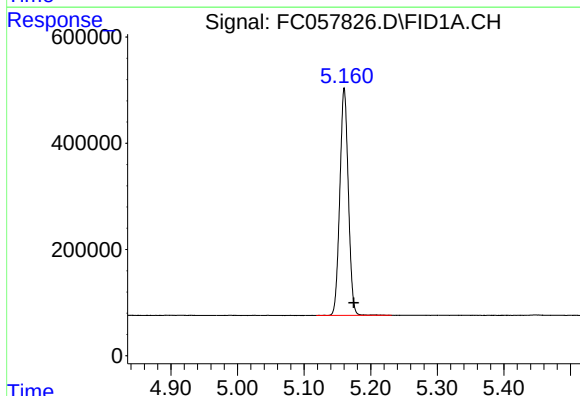
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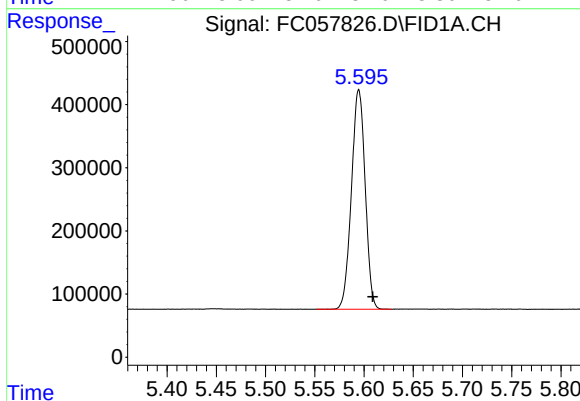
#2 n-Decane (C10)

R.T.: 3.623 min
Delta R.T.: -0.015 min
Response: 3352939
Conc: 20.86 ug/ml



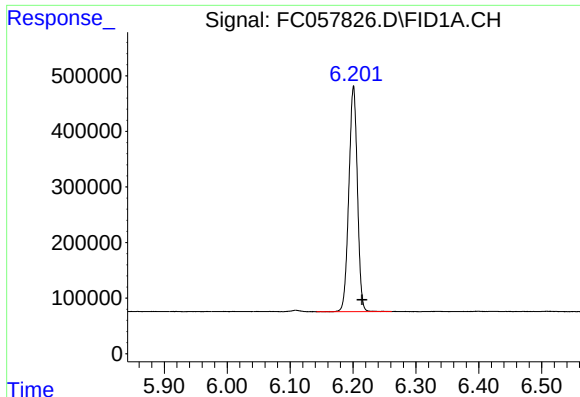
#3 A~Naphthalene (C11.7)

R.T.: 5.160 min
Delta R.T.: -0.014 min
Response: 3801507
Conc: 20.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.595 min
Delta R.T.: -0.014 min
Response: 3373729
Conc: 20.92 ug/ml



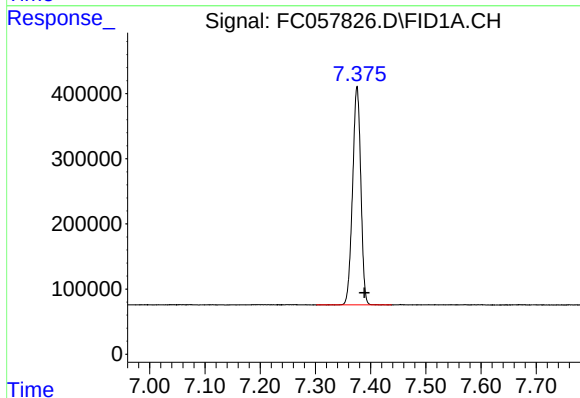
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.201 min
Delta R.T.: -0.014 min
Response: 3829961
Conc: 20.94 ug/ml

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20 PPM ALIPHATIC HC STD

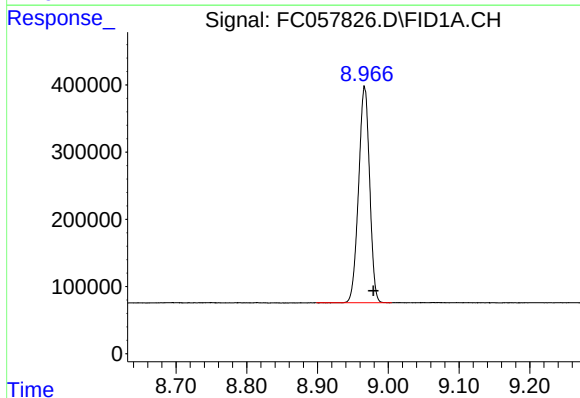
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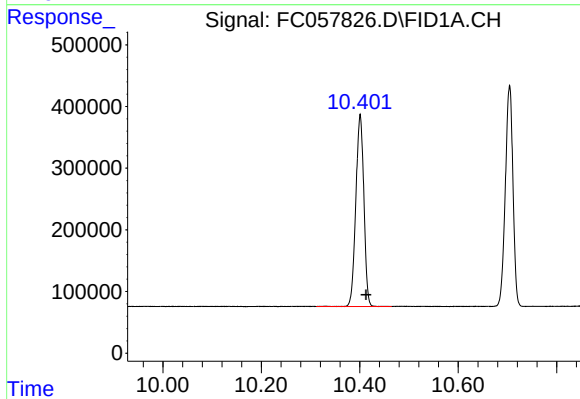
#6 n-Tetradecane (C14)

R.T.: 7.375 min
Delta R.T.: -0.013 min
Response: 3471741
Conc: 21.03 ug/ml



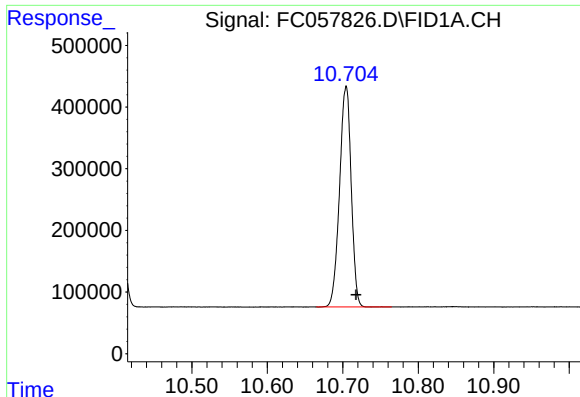
#7 n-Hexadecane (C16)

R.T.: 8.966 min
Delta R.T.: -0.012 min
Response: 3484994
Conc: 20.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.401 min
Delta R.T.: -0.012 min
Response: 3528508
Conc: 20.50 ug/ml



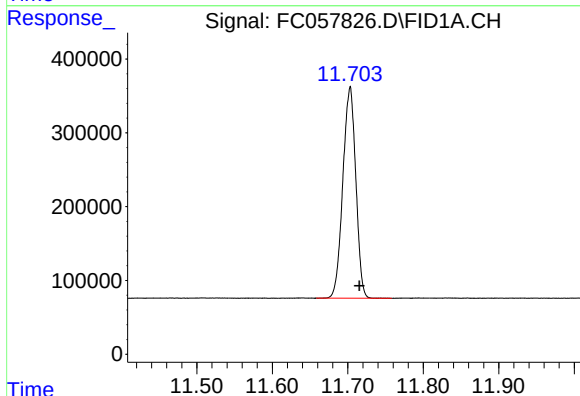
#9 ortho-Terphenyl (SURR)

R.T.: 10.704 min
Delta R.T.: -0.013 min
Response: 3840885
Conc: 19.86 ug/ml

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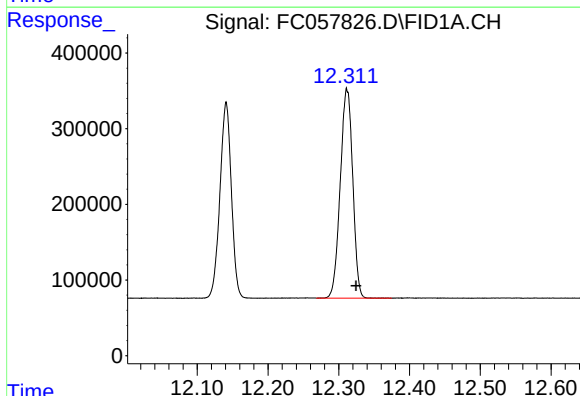
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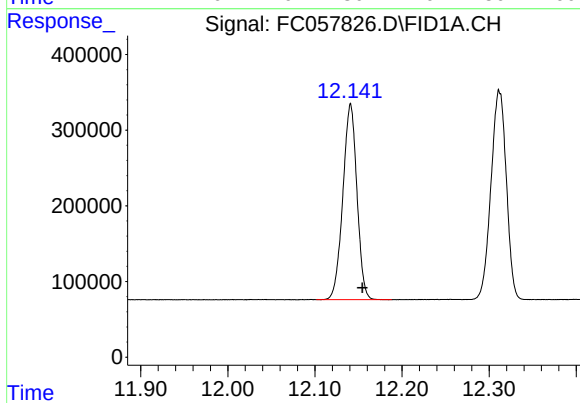
#10 n-Eicosane (C20)

R.T.: 11.703 min
Delta R.T.: -0.013 min
Response: 3413048
Conc: 19.94 ug/ml



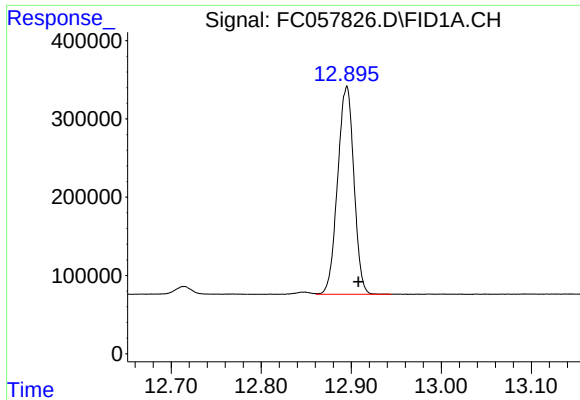
#11 n-Heneicosane (C21)

R.T.: 12.312 min
Delta R.T.: -0.013 min
Response: 3387582
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.141 min
Delta R.T.: -0.014 min
Response: 2903165
Conc: 19.70 ug/ml



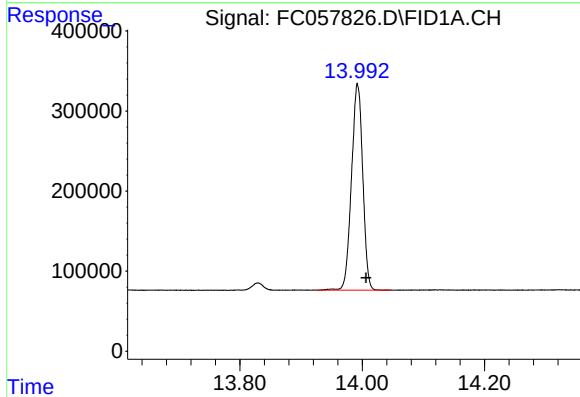
#13 n-Docosane (C22)

R.T.: 12.895 min
Delta R.T.: -0.013 min
Response: 3337138
Conc: 19.29 ug/ml

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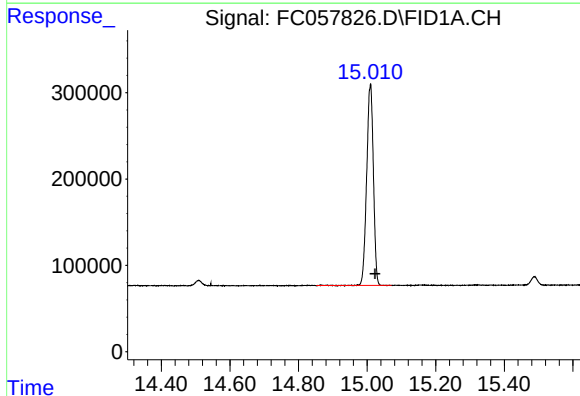
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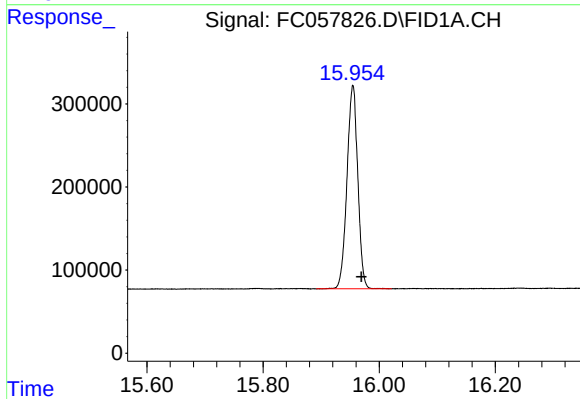
#14 n-Tetracosane (C24)

R.T.: 13.992 min
Delta R.T.: -0.014 min
Response: 3293277
Conc: 19.02 ug/ml



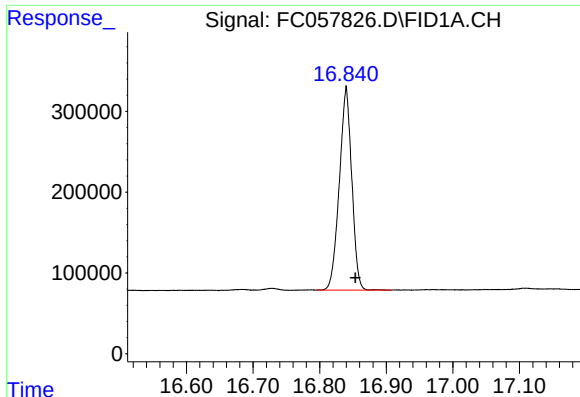
#15 n-Hexacosane (C26)

R.T.: 15.009 min
Delta R.T.: -0.014 min
Response: 3162095
Conc: 18.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.954 min
Delta R.T.: -0.015 min
Response: 3158815
Conc: 19.30 ug/ml



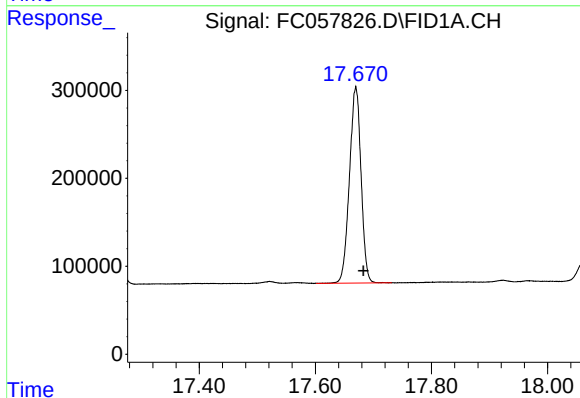
#17 n-Tricontane (C30)

R.T.: 16.840 min
Delta R.T.: -0.014 min
Response: 3251295
Conc: 20.83 ug/ml

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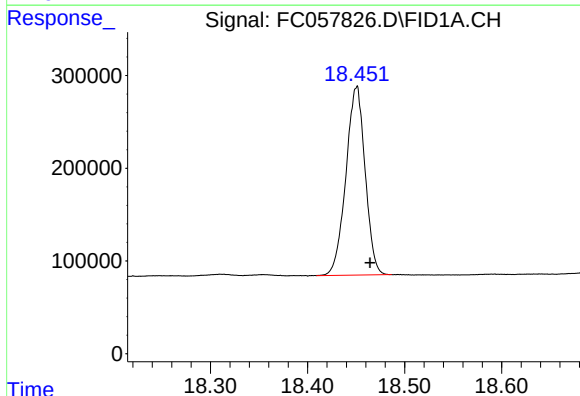
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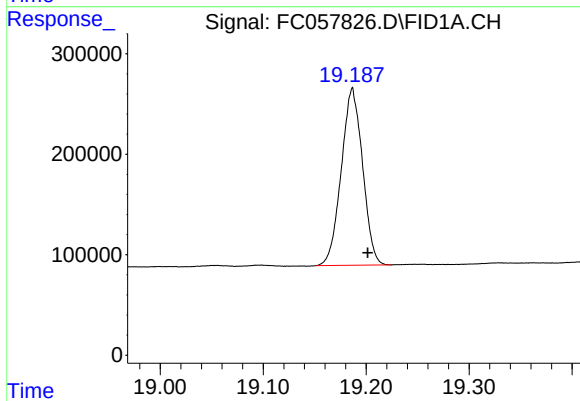
#18 n-Dotriacontane (C32)

R.T.: 17.670 min
Delta R.T.: -0.013 min
Response: 3088986
Conc: 22.16 ug/ml



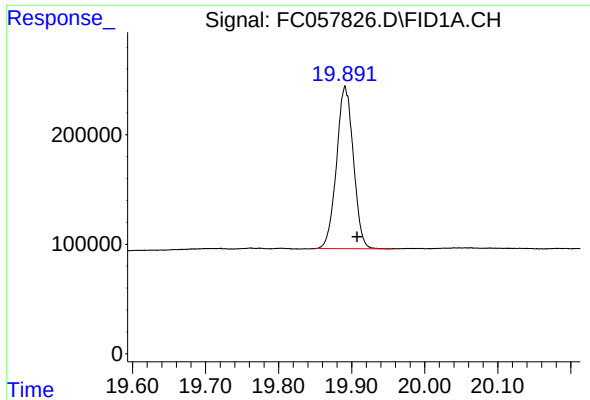
#19 n-Tetratriacontane (C34)

R.T.: 18.451 min
Delta R.T.: -0.013 min
Response: 2797087
Conc: 22.50 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.187 min
Delta R.T.: -0.015 min
Response: 2528638
Conc: 22.74 ug/ml



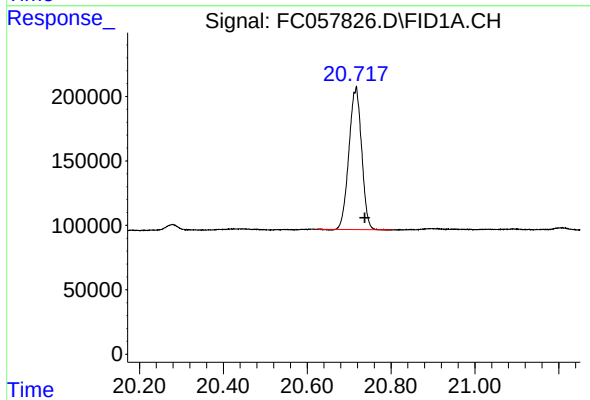
#21 n-Octatriacontane (C38)

R.T.: 19.891 min
Delta R.T.: -0.016 min
Response: 2370022
Conc: 22.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.716 min
Delta R.T.: -0.021 min
Response: 2314181
Conc: 24.17 ug/ml