

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070921AL\
 Data File : FC054637.D
 Signal(s) : FID1A.CH
 Acq On : 10 Jul 2021 3:41
 Operator : DD\AJ
 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

mohammad
 7/12/2021 2:17:42 PM

Integration File: autoint1.e
 Quant Time: Jul 10 05:32:01 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 062521.M
 Quant Title : GC Extractables
 QLast Update : Sat Jun 26 02:10:35 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)	11.325	2950023	20.838 ug/ml
Spiked Amount 50.000		Recovery =	41.68%
12) S 1-chlorooctadecane (S...	12.769	2313106	20.750 ug/ml
Spiked Amount 50.000		Recovery =	41.50%
Target Compounds			
1) T n-Nonane (C9)	3.139	2497067	21.234 ug/ml
2) T n-Decane (C10)	4.194	2566868	21.617 ug/ml
3) T A~Naphthalene (C11.7)	5.760	2797031	21.275 ug/ml
4) T n-Dodecane (C12)	6.200	2617275	21.837 ug/ml
5) T A~2-methylnaphthalene...	6.812	2801974	21.224 ug/ml
6) T n-Tetradecane (C14)	7.989	2681877	22.012 ug/ml
7) T n-Hexadecane (C16)	9.584	2707658	21.738 ug/ml
8) T n-Octadecane (C18)	11.022	2771464	21.458 ug/ml
10) T n-Eicosane (C20)	12.328	2741153	21.066 ug/ml
11) T n-Heneicosane (C21)	12.938	2760917	20.795 ug/ml
13) T n-Docosane (C22)	13.523	2724273	20.563 ug/ml
14) T n-Tetracosane (C24)	14.624	2721798	20.106 ug/ml
15) T n-Hexacosane (C26)	15.643	2627728	19.392 ug/ml
16) T n-Octacosane (C28)	16.592	2578027	18.783 ug/ml
17) T n-Tricontane (C30)	17.478	2522261	18.211 ug/ml
18) T n-Dotriacontane (C32)	18.310	2408561	17.605 ug/ml
19) T n-Tetratriacontane (C34)	19.092	2360958	17.473 ug/mlm
20) T n-Hexatriacontane (C36)	19.831	2212260	17.922 ug/ml
21) T n-Octatriacontane (C38)	20.538	2275889	20.120 ug/mlm
22) T n-Tetracontane (C40)	21.355	2402157	21.253 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

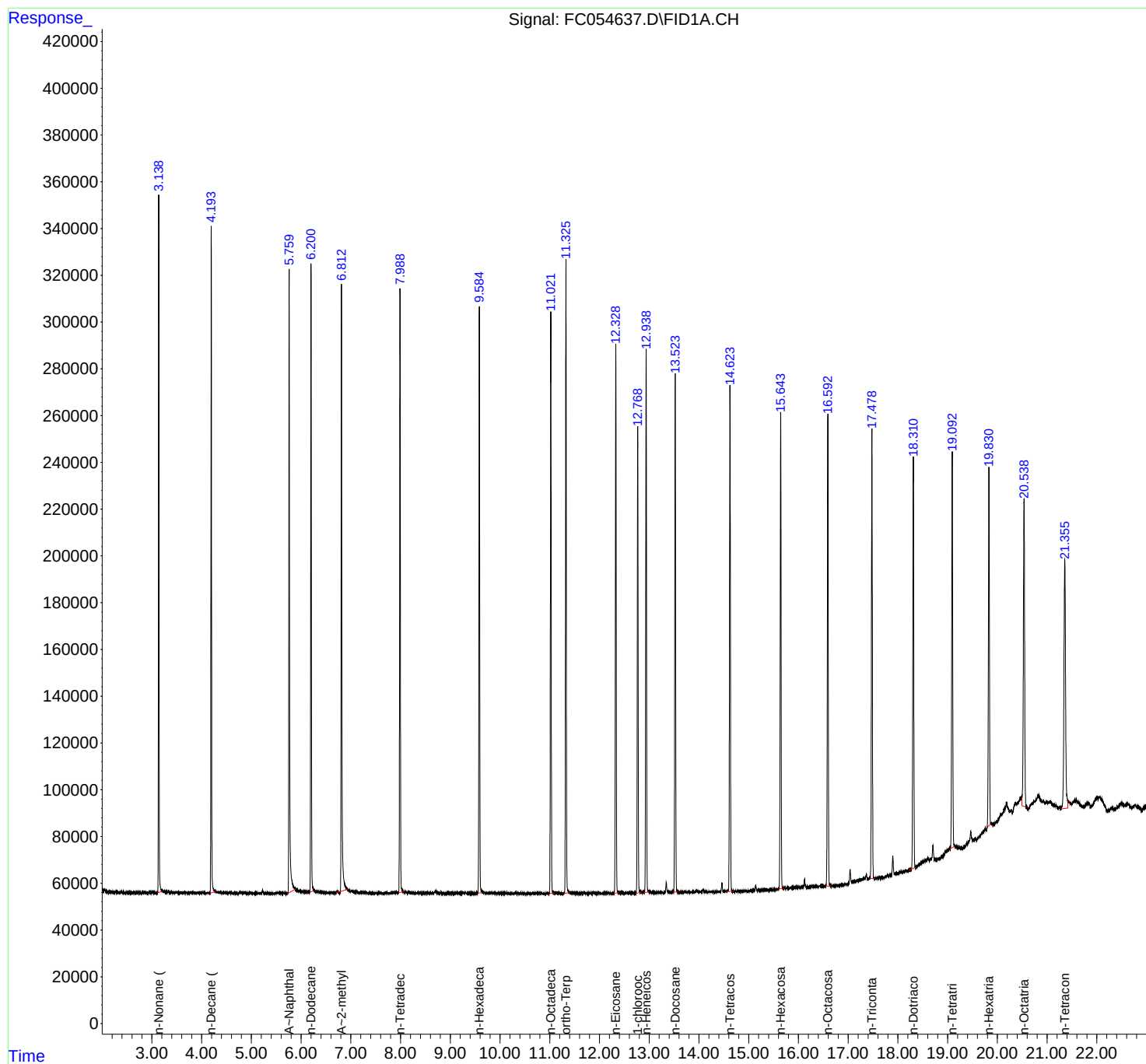
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

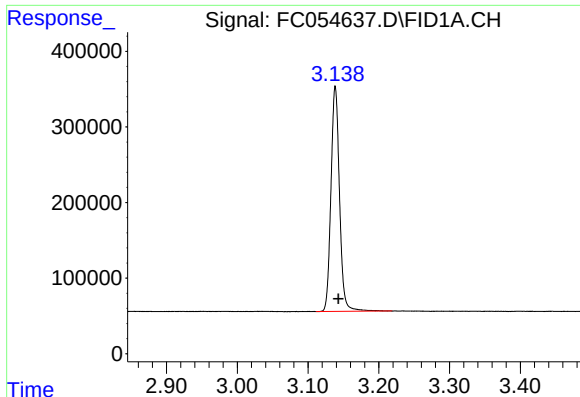
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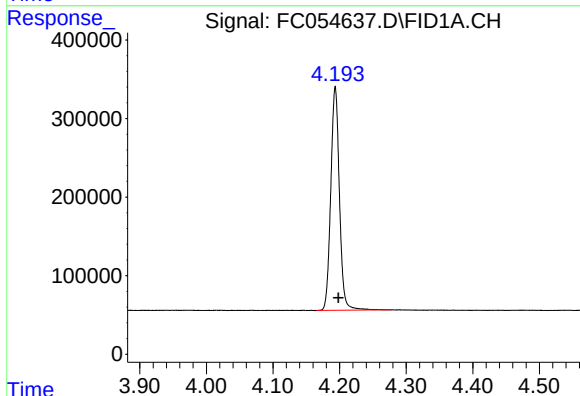
#1 n-Nonane (C9)

R.T.: 3.139 min
Delta R.T.: -0.004 min
Response: 2497067
Conc: 21.23 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

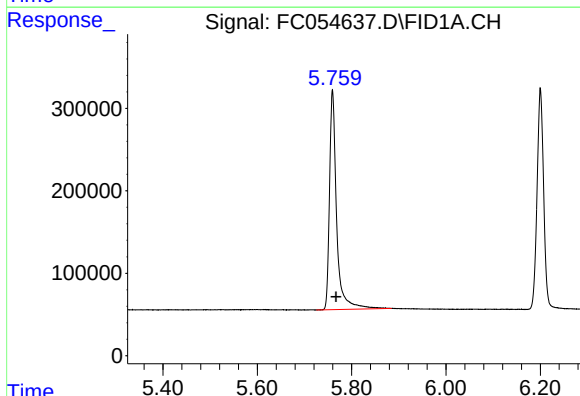
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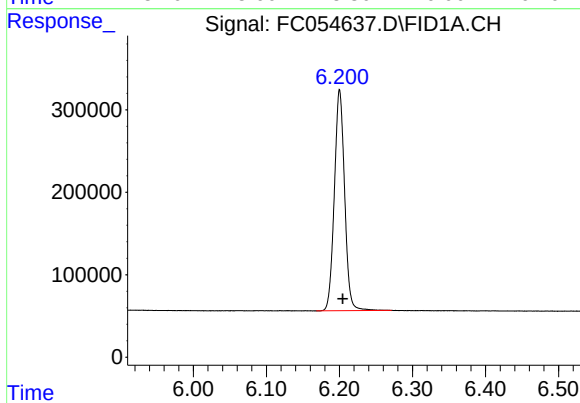
#2 n-Decane (C10)

R.T.: 4.194 min
Delta R.T.: -0.005 min
Response: 2566868
Conc: 21.62 ug/ml



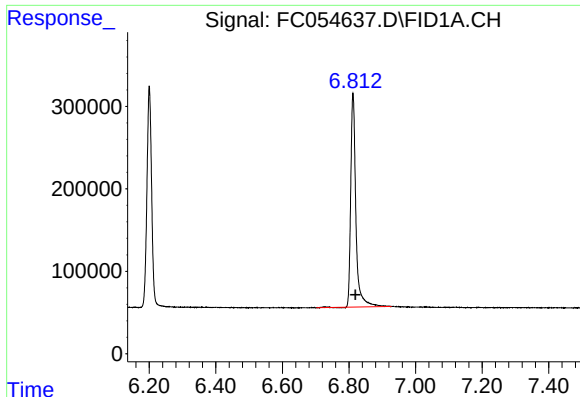
#3 A~Naphthalene (C11.7)

R.T.: 5.760 min
Delta R.T.: -0.008 min
Response: 2797031
Conc: 21.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 2617275
Conc: 21.84 ug/ml



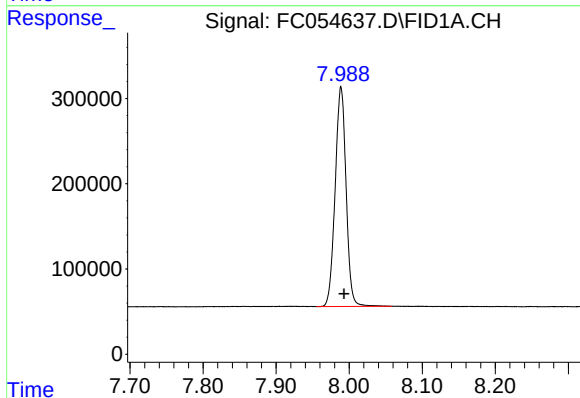
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.812 min
Delta R.T.: -0.007 min
Response: 2801974
Conc: 21.22 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

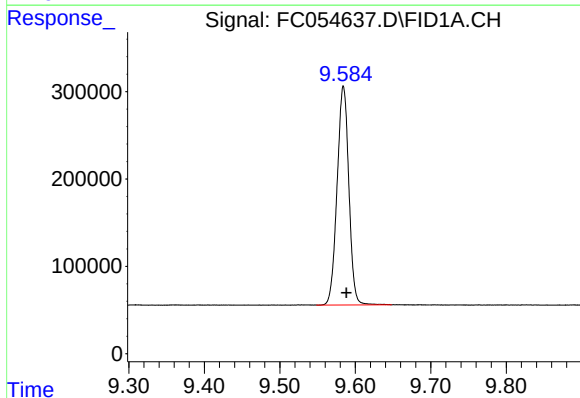
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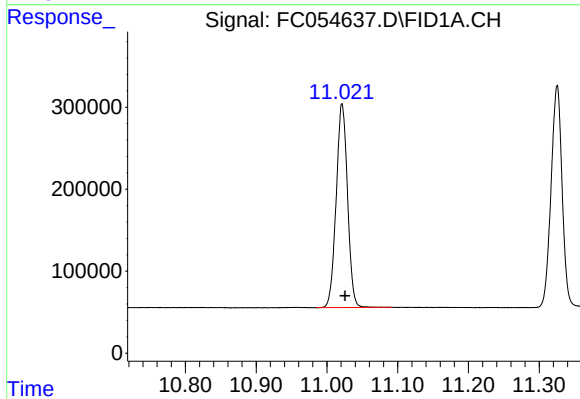
#6 n-Tetradecane (C14)

R.T.: 7.989 min
Delta R.T.: -0.004 min
Response: 2681877
Conc: 22.01 ug/ml



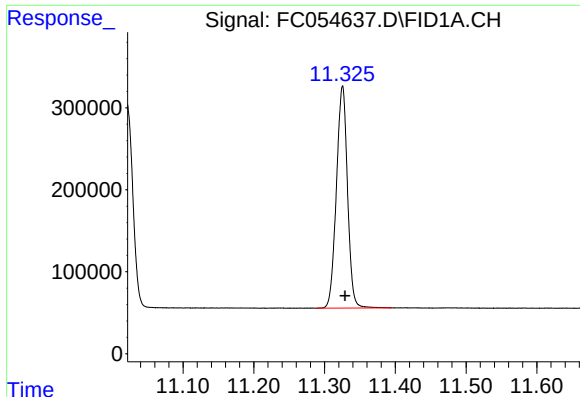
#7 n-Hexadecane (C16)

R.T.: 9.584 min
Delta R.T.: -0.004 min
Response: 2707658
Conc: 21.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.022 min
Delta R.T.: -0.004 min
Response: 2771464
Conc: 21.46 ug/ml



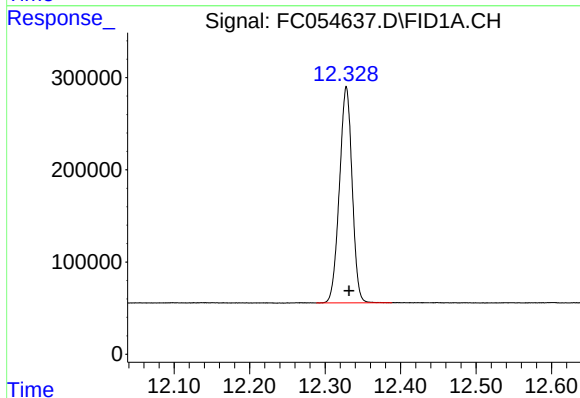
#9 ortho-Terphenyl (SURR)

R.T.: 11.325 min
Delta R.T.: -0.004 min
Response: 2950023
Conc: 20.84 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

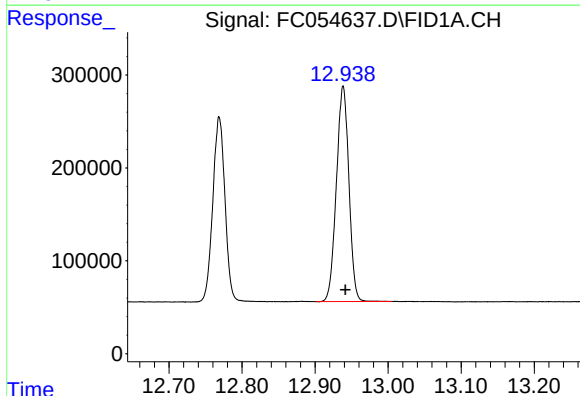
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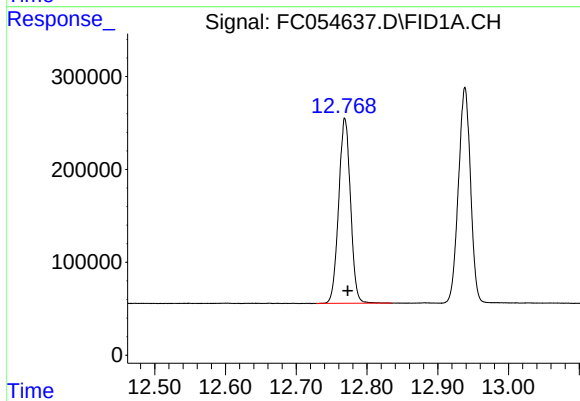
#10 n-Eicosane (C20)

R.T.: 12.328 min
Delta R.T.: -0.004 min
Response: 2741153
Conc: 21.07 ug/ml



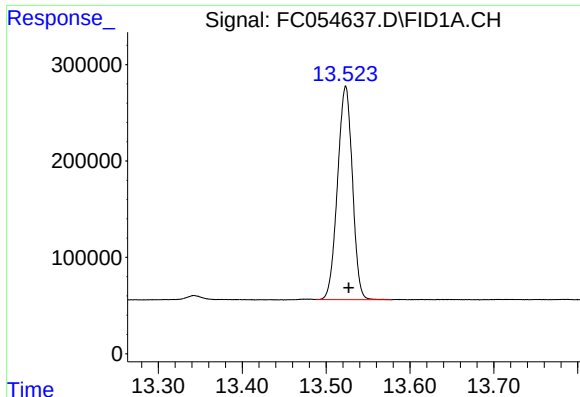
#11 n-Heneicosane (C21)

R.T.: 12.938 min
Delta R.T.: -0.003 min
Response: 2760917
Conc: 20.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.769 min
Delta R.T.: -0.004 min
Response: 2313106
Conc: 20.75 ug/ml



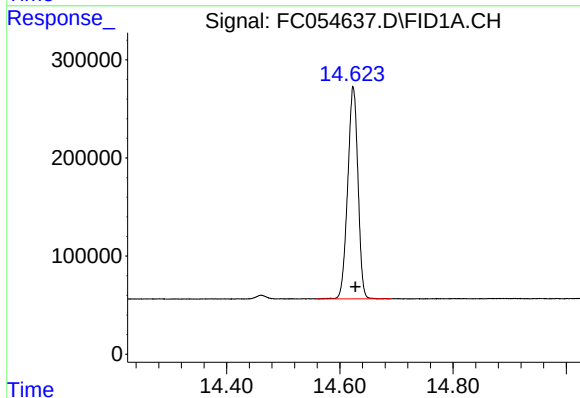
#13 n-Docosane (C22)

R.T.: 13.523 min
Delta R.T.: -0.004 min
Response: 2724273
Conc: 20.56 ug/ml

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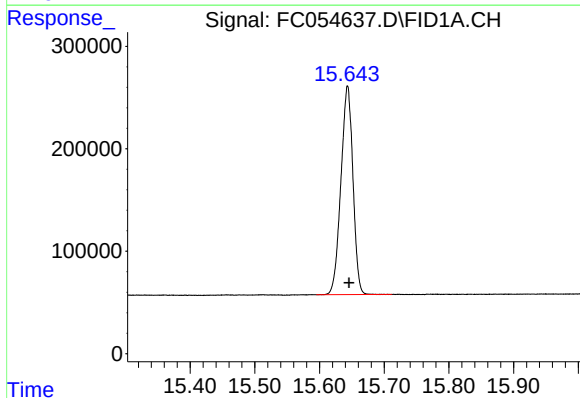
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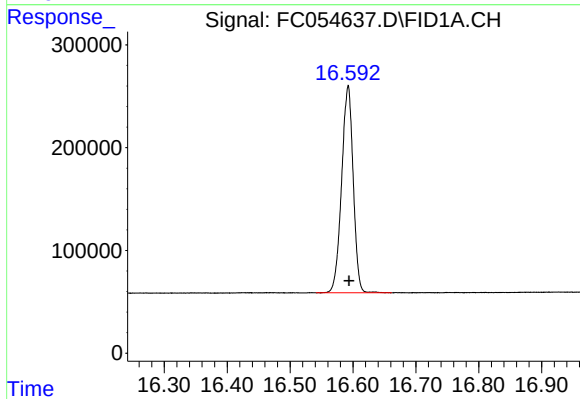
#14 n-Tetracosane (C24)

R.T.: 14.624 min
Delta R.T.: -0.004 min
Response: 2721798
Conc: 20.11 ug/ml



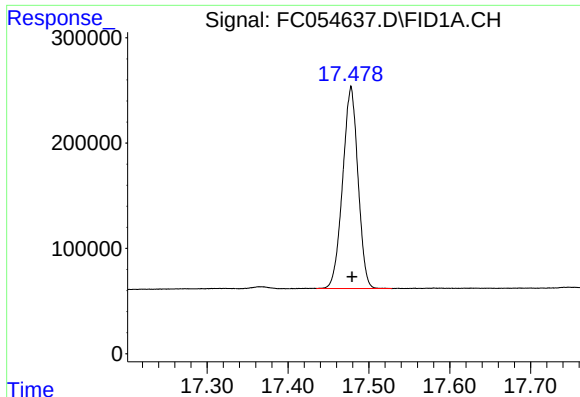
#15 n-Hexacosane (C26)

R.T.: 15.643 min
Delta R.T.: -0.002 min
Response: 2627728
Conc: 19.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.592 min
Delta R.T.: -0.002 min
Response: 2578027
Conc: 18.78 ug/ml



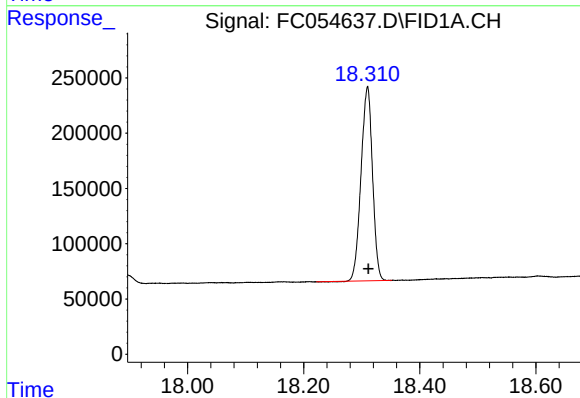
#17 n-Tricontane (C30)

R.T.: 17.478 min
Delta R.T.: -0.001 min
Response: 2522261
Conc: 18.21 ug/ml

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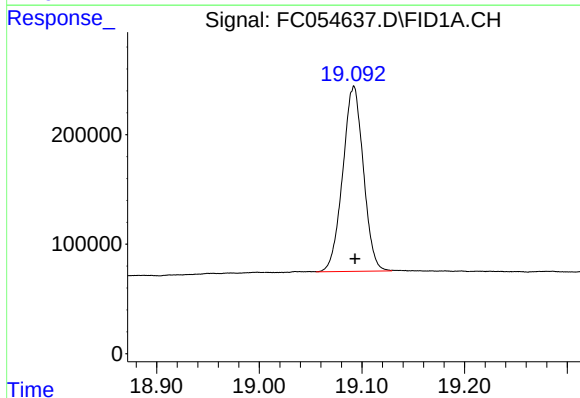
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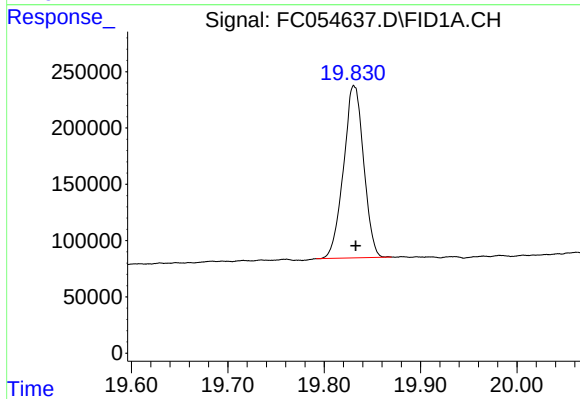
#18 n-Dotriacontane (C32)

R.T.: 18.310 min
Delta R.T.: -0.002 min
Response: 2408561
Conc: 17.60 ug/ml



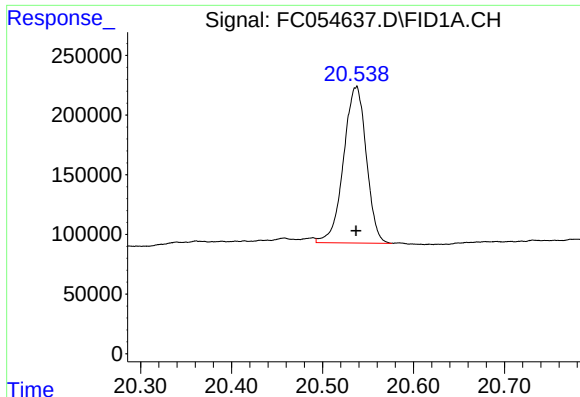
#19 n-Tetratriacontane (C34)

R.T.: 19.092 min
Delta R.T.: -0.001 min
Response: 2360958
Conc: 17.47 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.831 min
Delta R.T.: -0.002 min
Response: 2212260
Conc: 17.92 ug/ml



#21 n-Octatriacontane (C38)

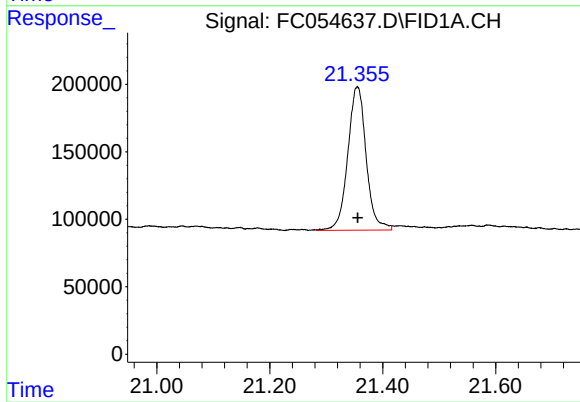
R.T.: 20.538 min
Delta R.T.: 0.000 min
Response: 2275889
Conc: 20.12 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.355 min
Delta R.T.: -0.001 min
Response: 2402157
Conc: 21.25 ug/ml m