

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102721AL\
 Data File : FC056453.D
 Signal(s) : FID1A.CH
 Acq On : 28 Oct 2021 5:21
 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

mohammad
 10/28/2021 1:39:09 PM

Integration File: autoint1.e
 Quant Time: Oct 28 06:18:25 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102121.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 21 01:00:25 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)	11.619	2509133	20.265 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
12) S 1-chlorooctadecane (S...	13.049	1940109	20.162 ug/ml
Spiked Amount 50.000		Recovery =	40.32%
Target Compounds			
1) T n-Nonane (C9)	3.381	2343904	21.656 ug/ml
2) T n-Decane (C10)	4.447	2373490	22.034 ug/ml
3) T A~Naphthalene (C11.7)	6.036	2672745	21.922 ug/ml
4) T n-Dodecane (C12)	6.464	2398388	21.756 ug/ml
5) T A~2-methylnaphthalene...	7.093	2657834	21.704 ug/ml
6) T n-Tetradecane (C14)	8.258	2407708	21.446 ug/ml
7) T n-Hexadecane (C16)	9.858	2395194	21.068 ug/ml
8) T n-Octadecane (C18)	11.298	2428629	20.783 ug/ml
10) T n-Eicosane (C20)	12.605	2338339	20.346 ug/ml
11) T n-Heneicosane (C21)	13.216	2317838	20.169 ug/ml
13) T n-Docosane (C22)	13.800	2254851	20.028 ug/ml
14) T n-Tetracosane (C24)	14.899	2174146	19.728 ug/ml
15) T n-Hexacosane (C26)	15.918	2052710	19.449 ug/ml
16) T n-Octacosane (C28)	16.864	1984073	19.128 ug/ml
17) T n-Tricontane (C30)	17.747	1932085	18.648 ug/ml
18) T n-Dotriacontane (C32)	18.576	1886048	19.686 ug/ml
19) T n-Tetratriacontane (C34)	19.356	1888399	21.530 ug/ml
20) T n-Hexatriacontane (C36)	20.089	1858047	22.700 ug/ml
21) T n-Octatriacontane (C38)	20.823	1845768	23.079 ug/mlm
22) T n-Tetracontane (C40)	21.739	1880973	22.830 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

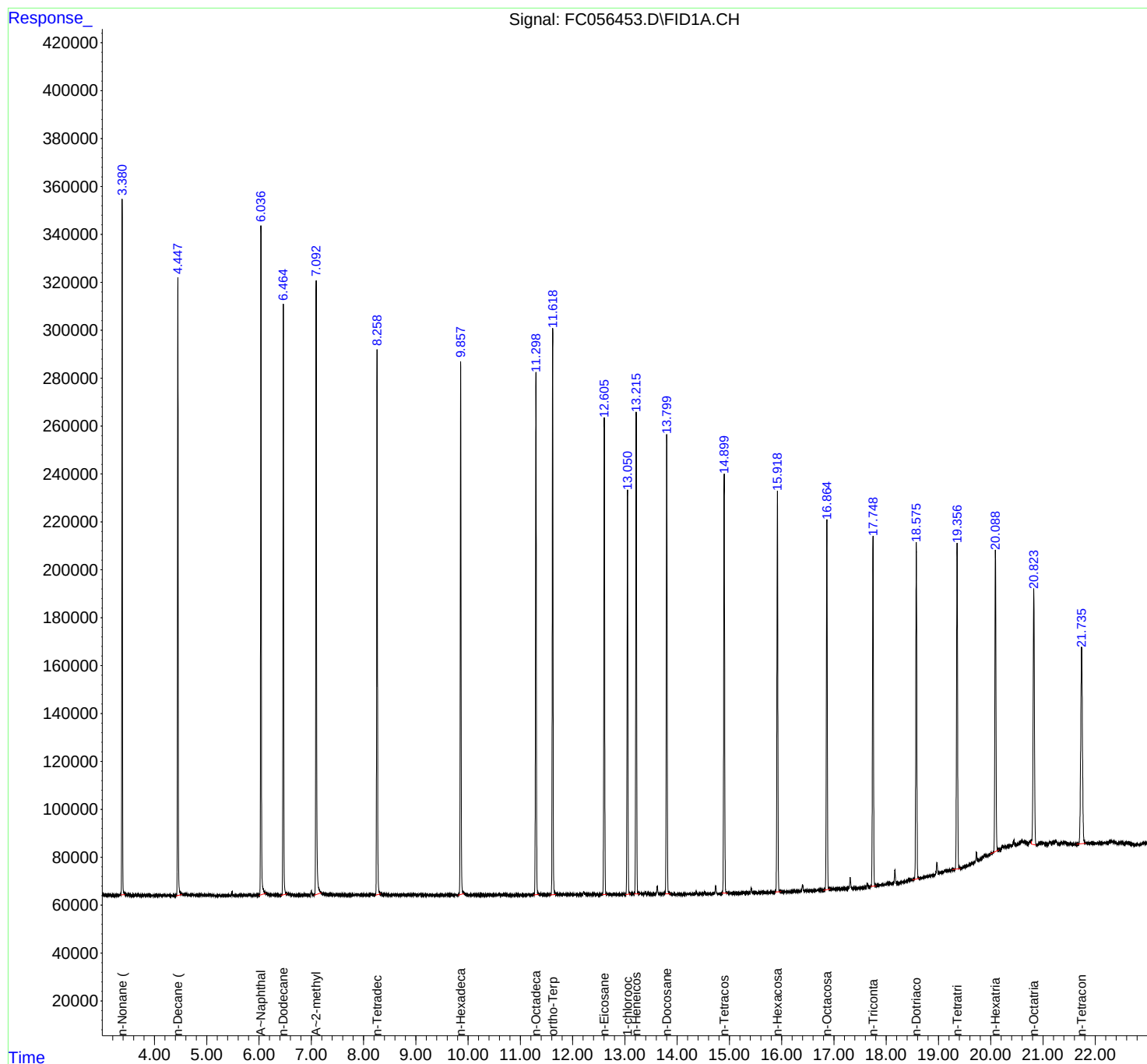
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20 PPM ALIPHATIC HC STD

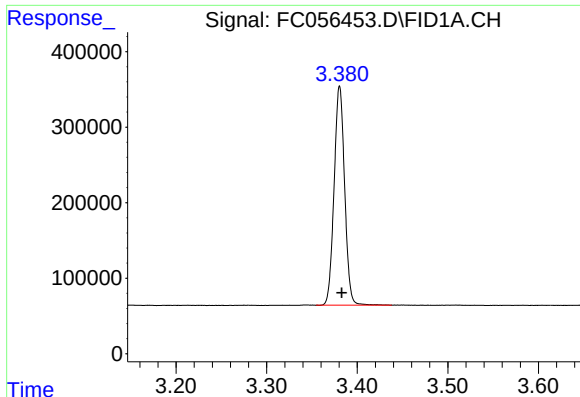
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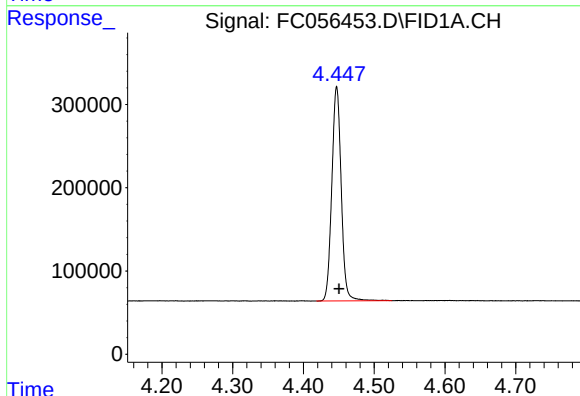
#1 n-Nonane (C9)

R.T.: 3.381 min
Delta R.T.: -0.002 min
Response: 2343904
Conc: 21.66 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

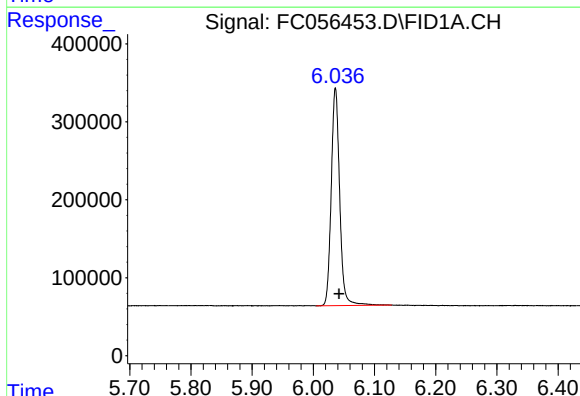
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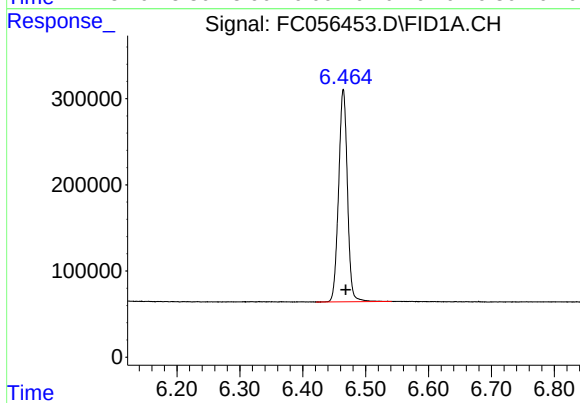
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.003 min
Response: 2373490
Conc: 22.03 ug/ml



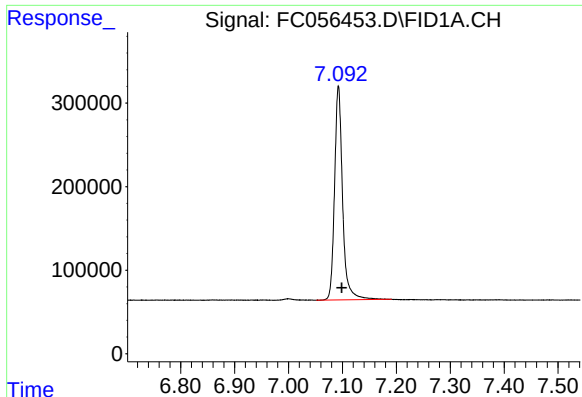
#3 A~Naphthalene (C11.7)

R.T.: 6.036 min
Delta R.T.: -0.006 min
Response: 2672745
Conc: 21.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.464 min
Delta R.T.: -0.004 min
Response: 2398388
Conc: 21.76 ug/ml



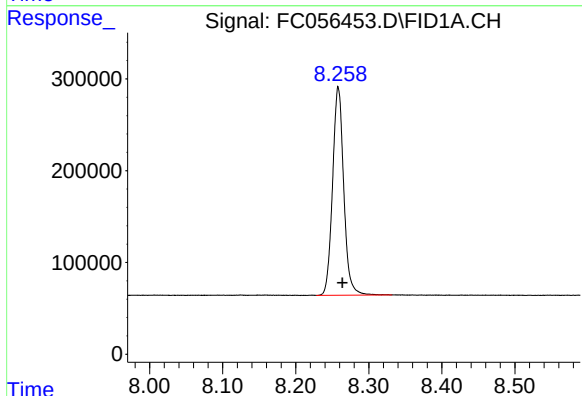
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.093 min
Delta R.T.: -0.006 min
Response: 2657834
Conc: 21.70 ug/ml

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20 PPM ALIPHATIC HC STD

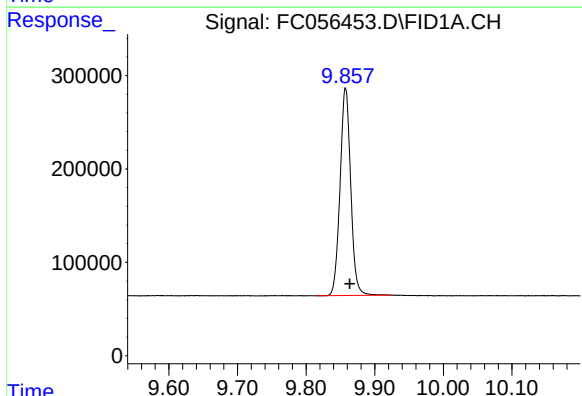
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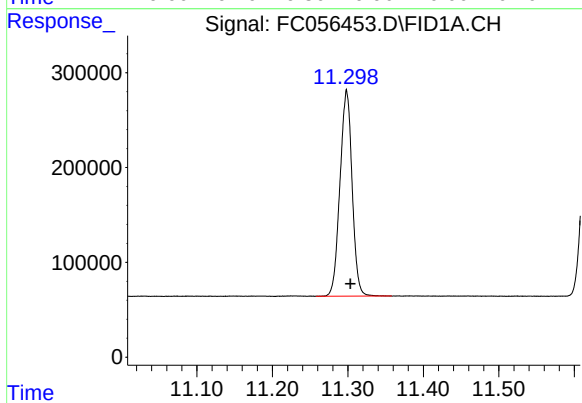
#6 n-Tetradecane (C14)

R.T.: 8.258 min
Delta R.T.: -0.005 min
Response: 2407708
Conc: 21.45 ug/ml



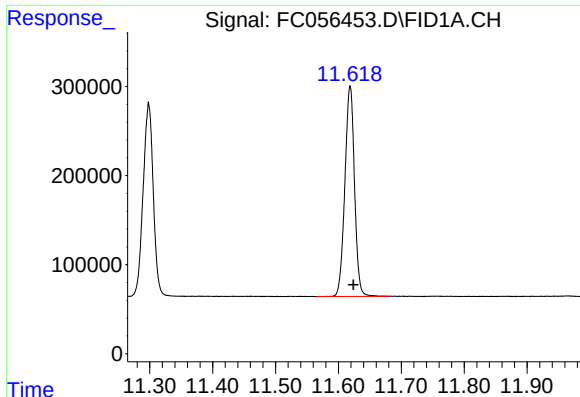
#7 n-Hexadecane (C16)

R.T.: 9.858 min
Delta R.T.: -0.006 min
Response: 2395194
Conc: 21.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.298 min
Delta R.T.: -0.005 min
Response: 2428629
Conc: 20.78 ug/ml



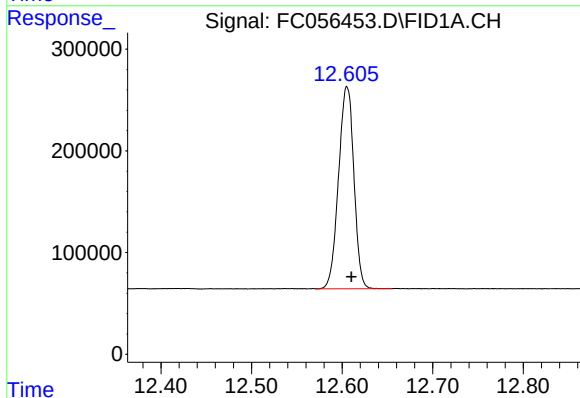
#9 ortho-Terphenyl (SURR)

R.T.: 11.619 min
Delta R.T.: -0.006 min
Response: 2509133
Conc: 20.26 ug/ml

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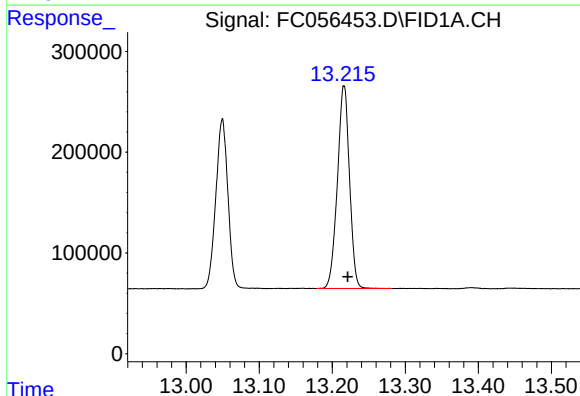
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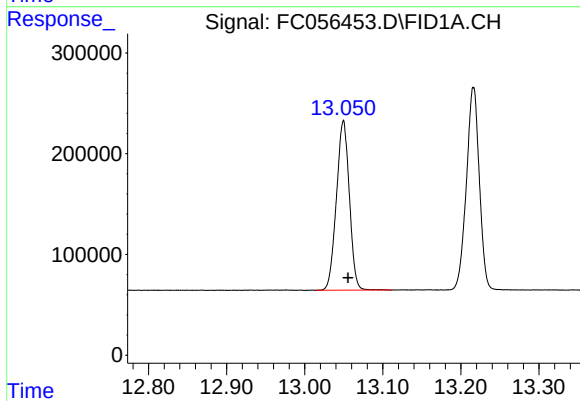
#10 n-Eicosane (C20)

R.T.: 12.605 min
Delta R.T.: -0.005 min
Response: 2338339
Conc: 20.35 ug/ml



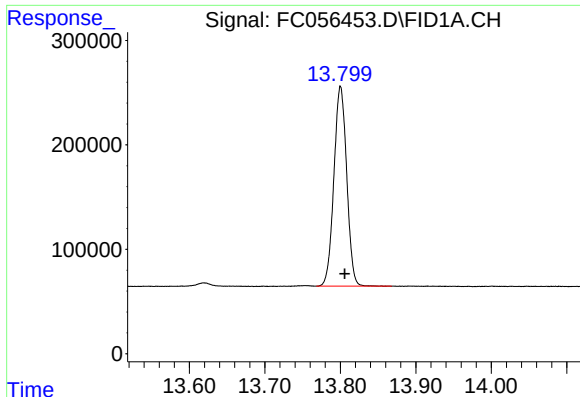
#11 n-Heneicosane (C21)

R.T.: 13.216 min
Delta R.T.: -0.005 min
Response: 2317838
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.049 min
Delta R.T.: -0.006 min
Response: 1940109
Conc: 20.16 ug/ml



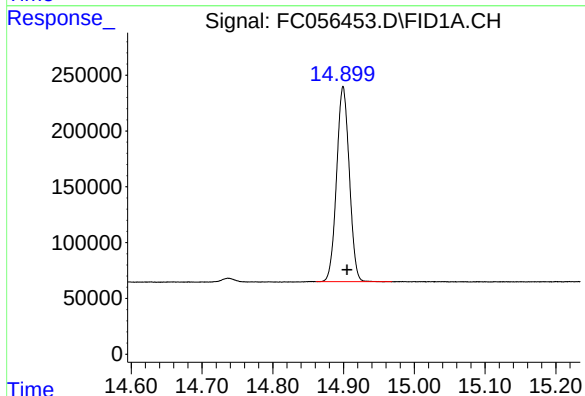
#13 n-Docosane (C22)

R.T.: 13.800 min
Delta R.T.: -0.005 min
Response: 2254851
Conc: 20.03 ug/ml

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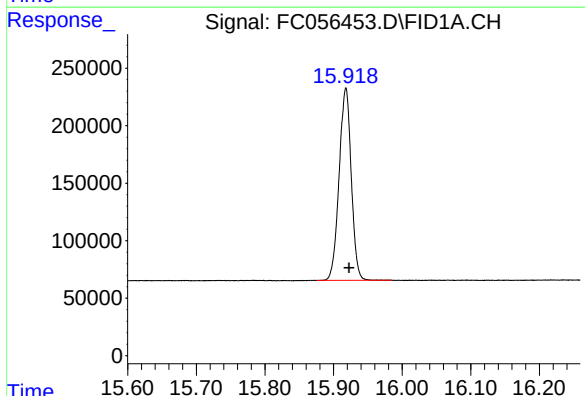
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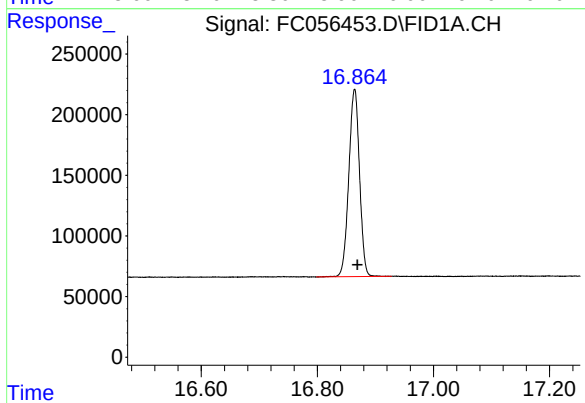
#14 n-Tetracosane (C24)

R.T.: 14.899 min
Delta R.T.: -0.006 min
Response: 2174146
Conc: 19.73 ug/ml



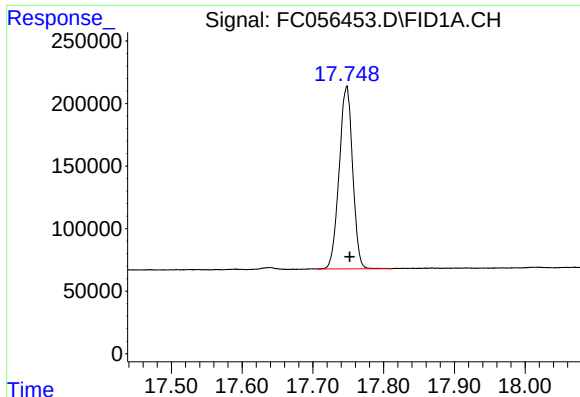
#15 n-Hexacosane (C26)

R.T.: 15.918 min
Delta R.T.: -0.005 min
Response: 2052710
Conc: 19.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.864 min
Delta R.T.: -0.005 min
Response: 1984073
Conc: 19.13 ug/ml



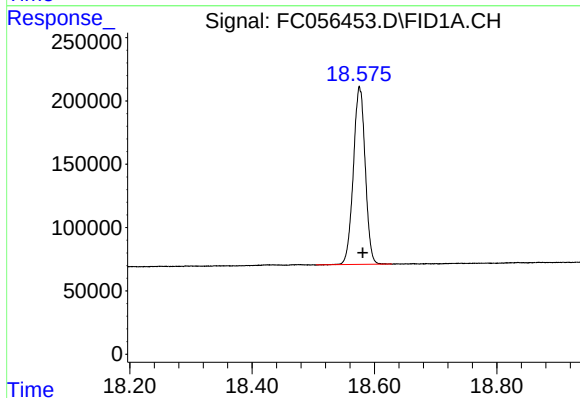
#17 n-Tricontane (C30)

R.T.: 17.747 min
Delta R.T.: -0.005 min
Response: 1932085
Conc: 18.65 ug/ml

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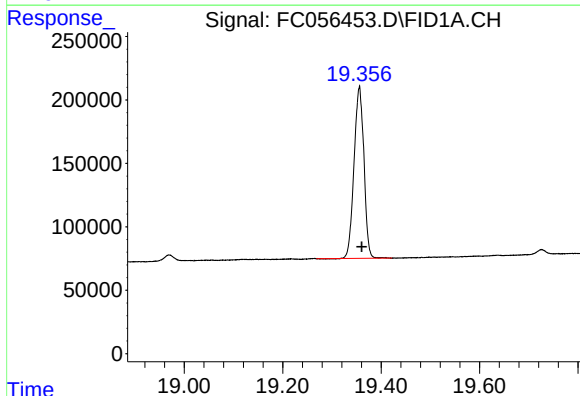
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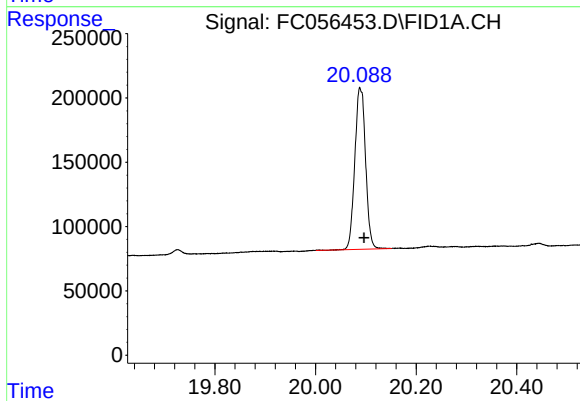
#18 n-Dotriacontane (C32)

R.T.: 18.576 min
Delta R.T.: -0.005 min
Response: 1886048
Conc: 19.69 ug/ml



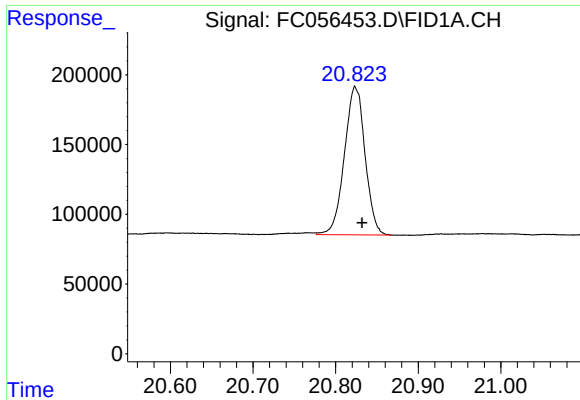
#19 n-Tetratriacontane (C34)

R.T.: 19.356 min
Delta R.T.: -0.005 min
Response: 1888399
Conc: 21.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.089 min
Delta R.T.: -0.008 min
Response: 1858047
Conc: 22.70 ug/ml



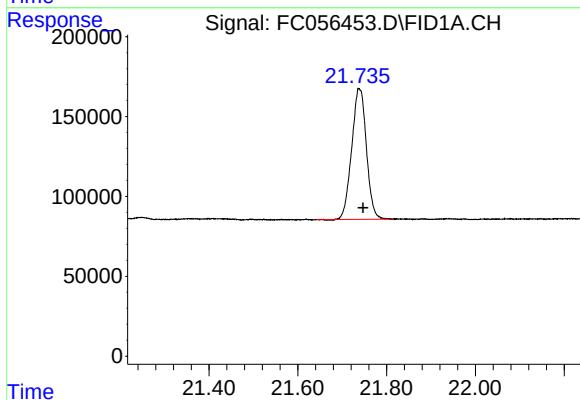
#21 n-Octatriacontane (C38)

R.T.: 20.823 min
Delta R.T.: -0.009 min
Response: 1845768
Conc: 23.08 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.739 min
Delta R.T.: -0.008 min
Response: 1880973
Conc: 22.83 ug/ml