

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102721AL\
 Data File : FC056464.D
 Signal(s) : FID1A.CH
 Acq On : 28 Oct 2021 13:33
 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 2:30:24 PM

Integration File: autoint1.e
 Quant Time: Oct 28 14:09:11 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)	11.618	2534731	20.471 ug/ml
Spiked Amount 50.000		Recovery =	40.94%
12) S 1-chlorooctadecane (S...	13.049	1947984	20.244 ug/ml
Spiked Amount 50.000		Recovery =	40.49%
Target Compounds			
1) T n-Nonane (C9)	3.380	2385265	22.038 ug/ml
2) T n-Decane (C10)	4.446	2410608	22.379 ug/ml
3) T A~Naphthalene (C11.7)	6.036	2721073	22.318 ug/ml
4) T n-Dodecane (C12)	6.464	2452125	22.244 ug/ml
5) T A~2-methylnaphthalene...	7.092	2738685	22.364 ug/ml
6) T n-Tetradecane (C14)	8.258	2462446	21.934 ug/ml
7) T n-Hexadecane (C16)	9.858	2450878	21.558 ug/ml
8) T n-Octadecane (C18)	11.298	2474946	21.179 ug/ml
10) T n-Eicosane (C20)	12.605	2369674	20.619 ug/ml
11) T n-Heneicosane (C21)	13.215	2337601	20.341 ug/ml
13) T n-Docosane (C22)	13.800	2283627	20.284 ug/ml
14) T n-Tetracosane (C24)	14.899	2181836	19.798 ug/ml
15) T n-Hexacosane (C26)	15.917	2066014	19.575 ug/ml
16) T n-Octacosane (C28)	16.863	1984737	19.134 ug/ml
17) T n-Tricontane (C30)	17.746	1942548	18.749 ug/ml
18) T n-Dotriacontane (C32)	18.575	1906730	19.901 ug/ml
19) T n-Tetratriacontane (C34)	19.355	1920002	21.891 ug/ml
20) T n-Hexatriacontane (C36)	20.089	1893832	23.137 ug/mlm
21) T n-Octatriacontane (C38)	20.826	1841157	23.021 ug/ml
22) T n-Tetracontane (C40)	21.739	1895045	23.001 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 2 Sample Multiplier: 1

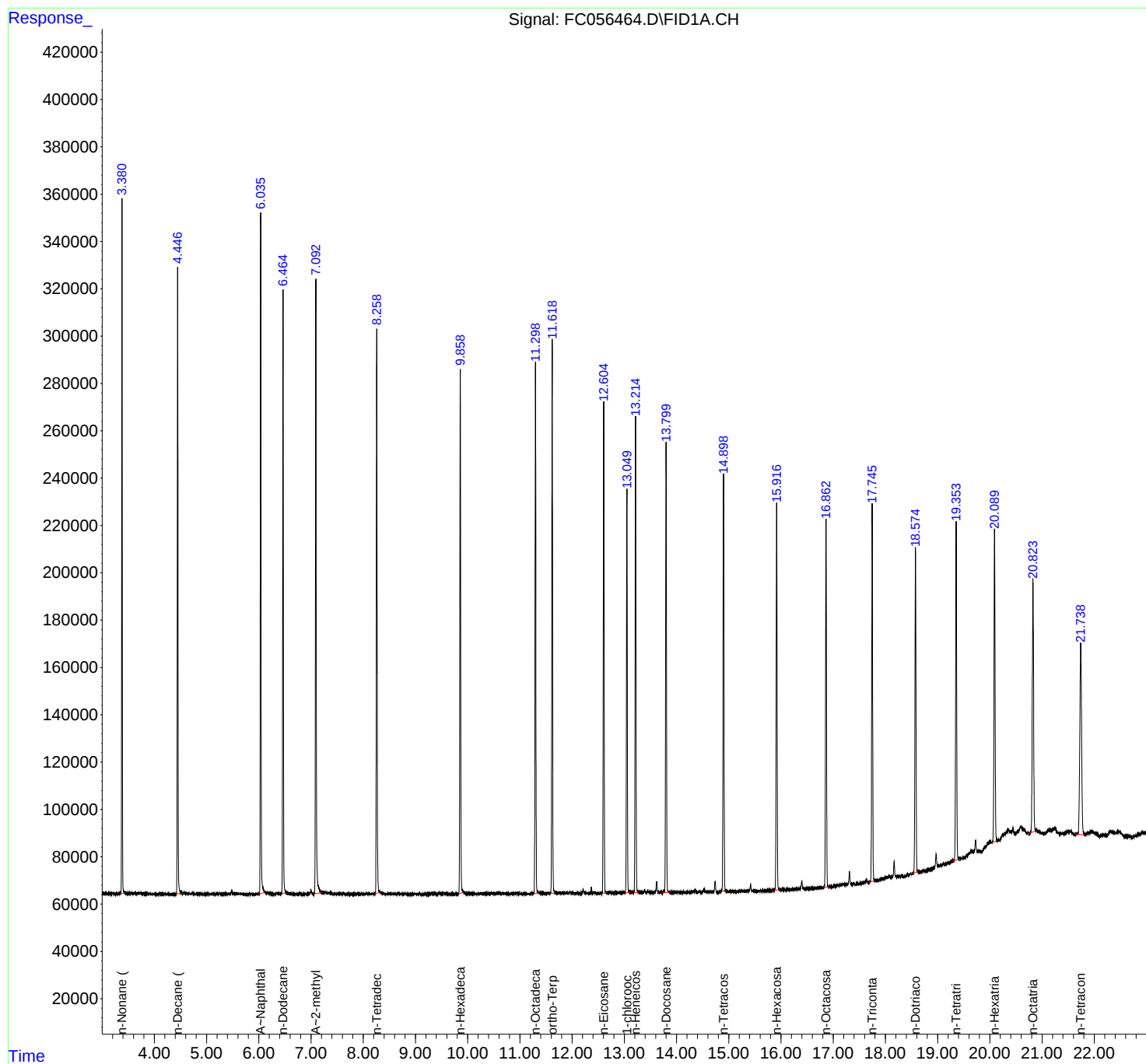
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

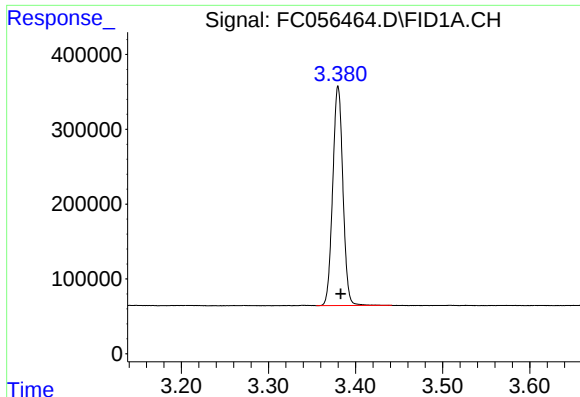
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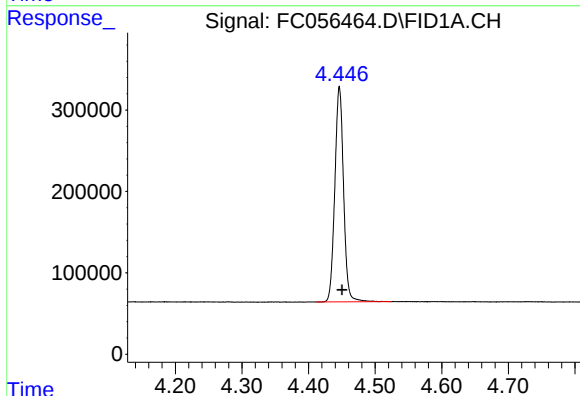
#1 n-Nonane (C9)

R.T.: 3.380 min
Delta R.T.: -0.003 min
Response: 2385265
Conc: 22.04 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

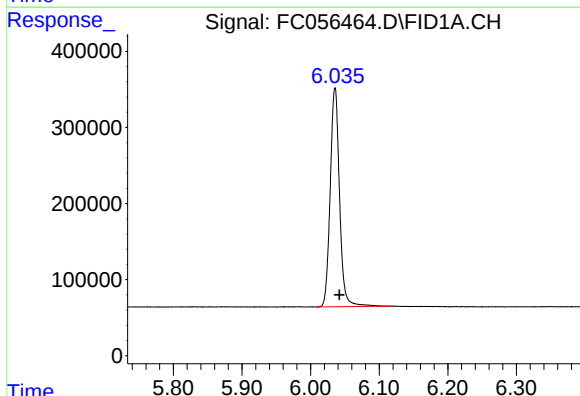
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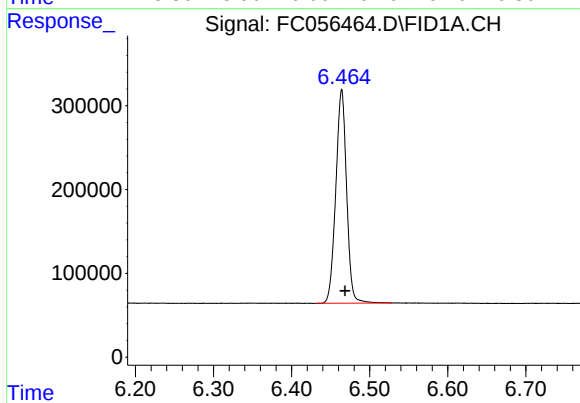
#2 n-Decane (C10)

R.T.: 4.446 min
Delta R.T.: -0.004 min
Response: 2410608
Conc: 22.38 ug/ml



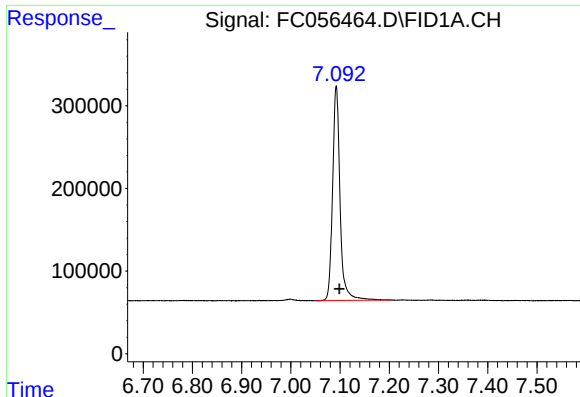
#3 A~Naphthalene (C11.7)

R.T.: 6.036 min
Delta R.T.: -0.006 min
Response: 2721073
Conc: 22.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.464 min
Delta R.T.: -0.005 min
Response: 2452125
Conc: 22.24 ug/ml



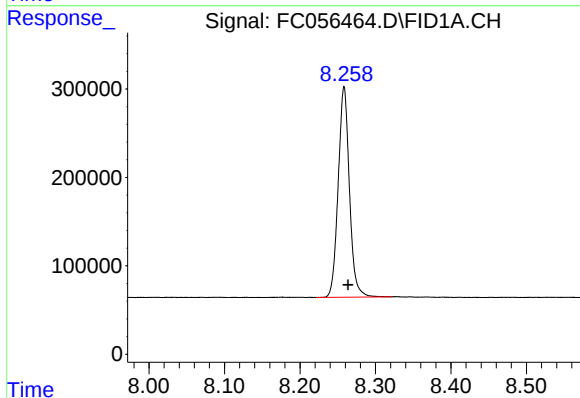
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.092 min
Delta R.T.: -0.006 min
Response: 2738685
Conc: 22.36 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

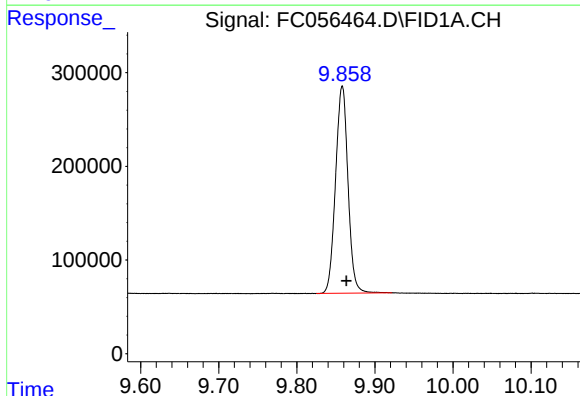
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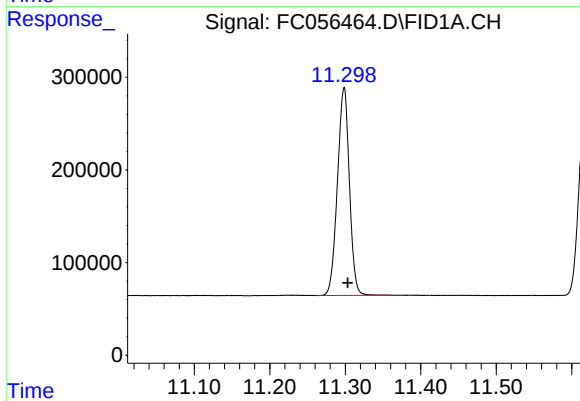
#6 n-Tetradecane (C14)

R.T.: 8.258 min
Delta R.T.: -0.005 min
Response: 2462446
Conc: 21.93 ug/ml



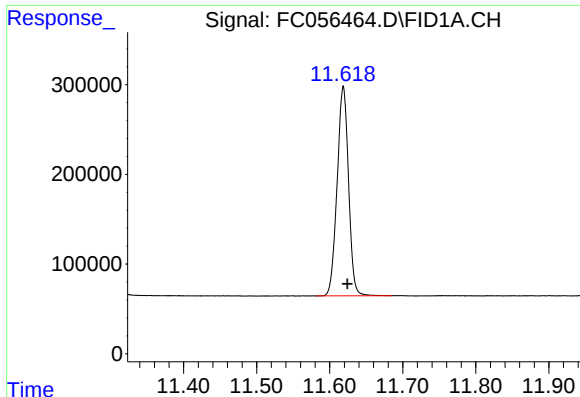
#7 n-Hexadecane (C16)

R.T.: 9.858 min
Delta R.T.: -0.006 min
Response: 2450878
Conc: 21.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.298 min
Delta R.T.: -0.005 min
Response: 2474946
Conc: 21.18 ug/ml



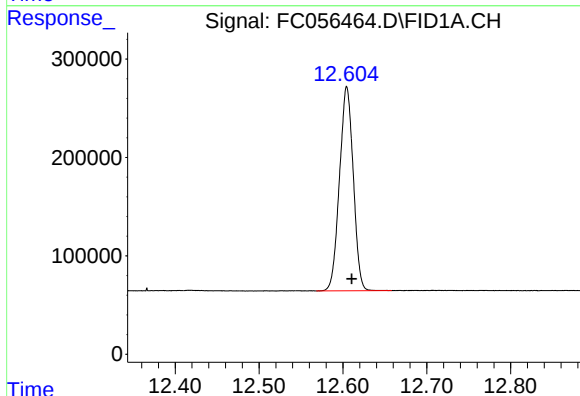
#9 ortho-Terphenyl (SURR)

R.T.: 11.618 min
Delta R.T.: -0.006 min
Response: 2534731
Conc: 20.47 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

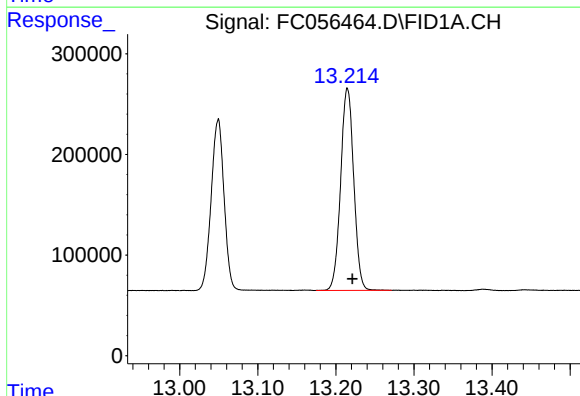
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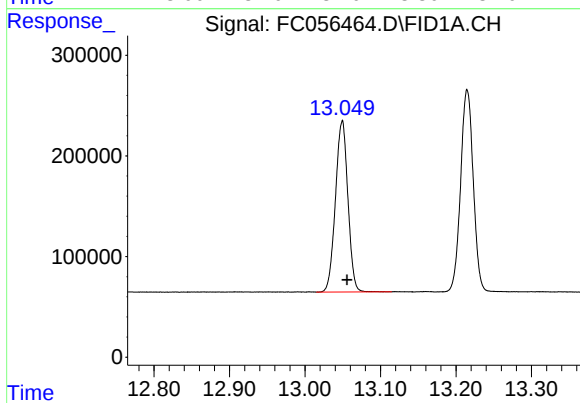
#10 n-Eicosane (C20)

R.T.: 12.605 min
Delta R.T.: -0.006 min
Response: 2369674
Conc: 20.62 ug/ml



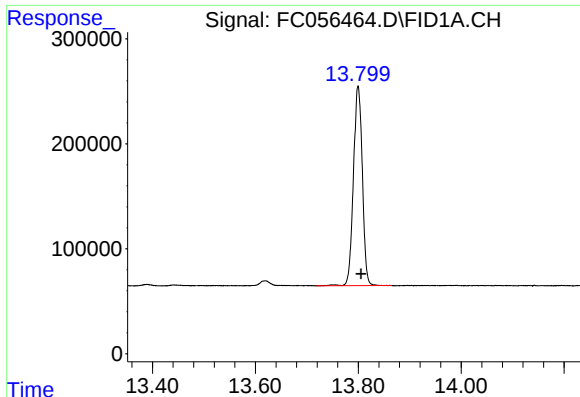
#11 n-Heneicosane (C21)

R.T.: 13.215 min
Delta R.T.: -0.006 min
Response: 2337601
Conc: 20.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.049 min
Delta R.T.: -0.007 min
Response: 1947984
Conc: 20.24 ug/ml



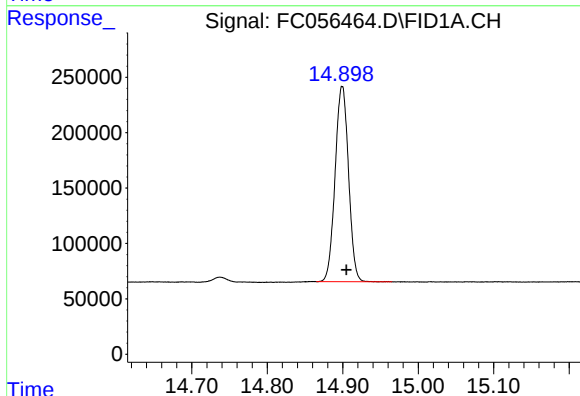
#13 n-Docosane (C22)

R.T.: 13.800 min
Delta R.T.: -0.006 min
Response: 2283627
Conc: 20.28 ug/ml

Instrument :
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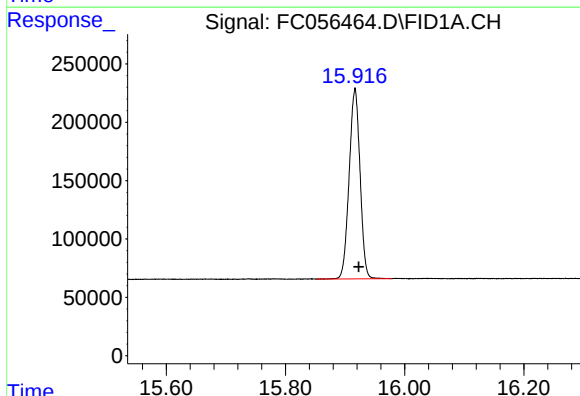
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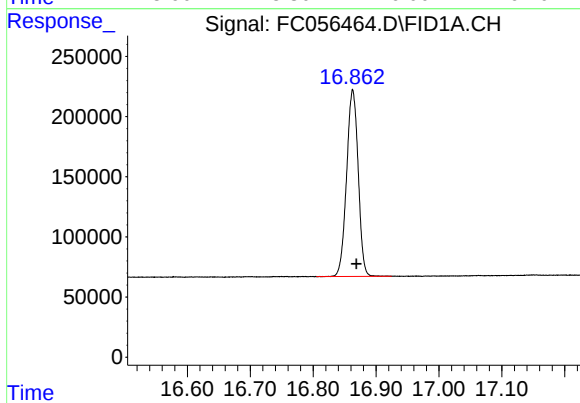
#14 n-Tetracosane (C24)

R.T.: 14.899 min
Delta R.T.: -0.006 min
Response: 2181836
Conc: 19.80 ug/ml



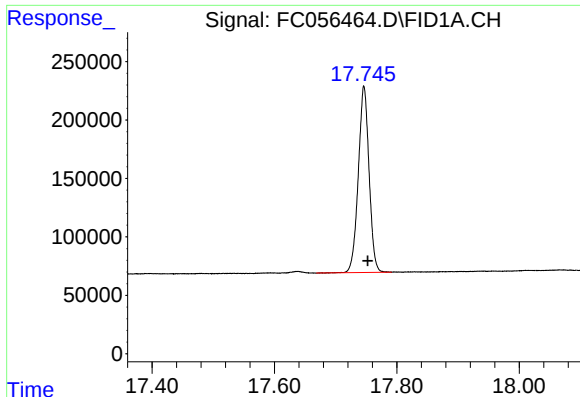
#15 n-Hexacosane (C26)

R.T.: 15.917 min
Delta R.T.: -0.006 min
Response: 2066014
Conc: 19.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.863 min
Delta R.T.: -0.006 min
Response: 1984737
Conc: 19.13 ug/ml



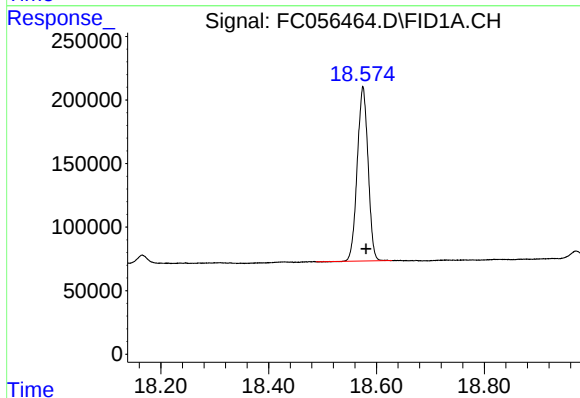
#17 n-Tricontane (C30)

R.T.: 17.746 min
Delta R.T.: -0.006 min
Response: 1942548
Conc: 18.75 ug/ml

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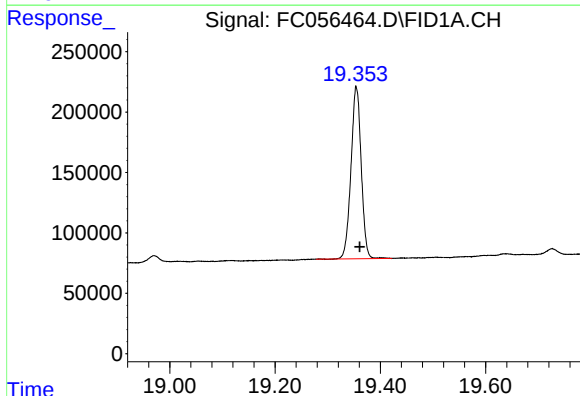
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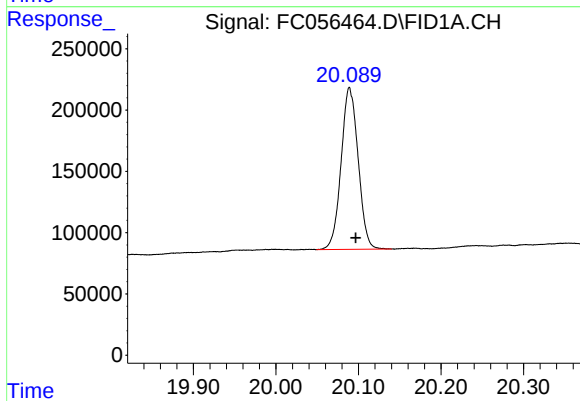
#18 n-Dotriacontane (C32)

R.T.: 18.575 min
Delta R.T.: -0.006 min
Response: 1906730
Conc: 19.90 ug/ml



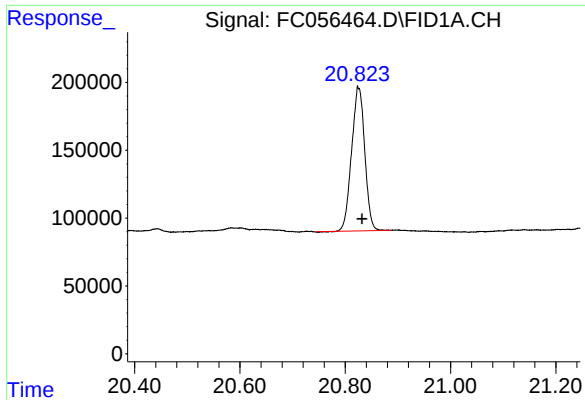
#19 n-Tetratriacontane (C34)

R.T.: 19.355 min
Delta R.T.: -0.006 min
Response: 1920002
Conc: 21.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.089 min
Delta R.T.: -0.008 min
Response: 1893832
Conc: 23.14 ug/ml m



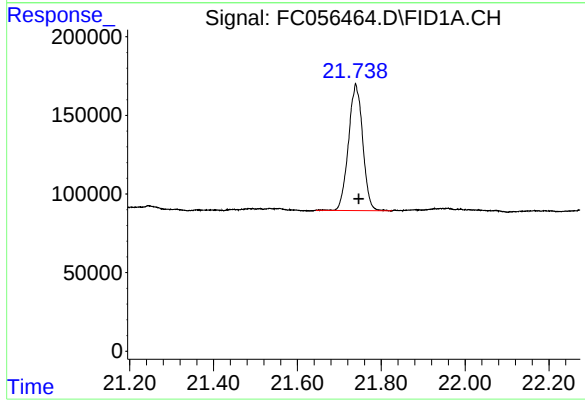
#21 n-Octatriacontane (C38)

R.T.: 20.826 min
Delta R.T.: -0.007 min
Response: 1841157
Conc: 23.02 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.739 min
Delta R.T.: -0.007 min
Response: 1895045
Conc: 23.00 ug/ml