

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110421AL\
 Data File : FC056668.D
 Signal(s) : FID1A.CH
 Acq On : 05 Nov 2021 10:59
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 11/08/2021
 Supervised By :mohammad ahmed 11/08/2021

Integration File: autoint1.e
 Quant Time: Nov 08 00:27:57 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)	11.611	2274899	18.373 ug/ml
Spiked Amount 50.000		Recovery =	36.75%
12) S 1-chlorooctadecane (S...	13.041	1805393	18.762 ug/ml
Spiked Amount 50.000		Recovery =	37.52%
Target Compounds			
1) T n-Nonane (C9)	3.371	2320023	21.435 ug/ml
2) T n-Decane (C10)	4.439	2347944	21.797 ug/ml
3) T A~Naphthalene (C11.7)	6.029	2583410	21.189 ug/ml
4) T n-Dodecane (C12)	6.457	2391587	21.695 ug/ml
5) T A~2-methylnaphthalene...	7.086	2593287	21.177 ug/ml
6) T n-Tetradecane (C14)	8.251	2350100	20.933 ug/ml
7) T n-Hexadecane (C16)	9.850	2345911	20.634 ug/ml
8) T n-Octadecane (C18)	11.290	2316285	19.821 ug/ml
10) T n-Eicosane (C20)	12.596	2227231	19.379 ug/ml
11) T n-Heneicosane (C21)	13.207	2201909	19.160 ug/ml
13) T n-Docosane (C22)	13.792	2142917	19.034 ug/ml
14) T n-Tetracosane (C24)	14.891	2045687	18.563 ug/ml
15) T n-Hexacosane (C26)	15.909	1990624	18.860 ug/ml
16) T n-Octacosane (C28)	16.854	1878567	18.111 ug/ml
17) T n-Tricontane (C30)	17.737	1981777	19.128 ug/mlm
18) T n-Dotriacontane (C32)	18.567	1986981	20.739 ug/ml
19) T n-Tetratriacontane (C34)	19.345	1935237	22.064 ug/ml
20) T n-Hexatriacontane (C36)	20.081	1927123	23.544 ug/mlm
21) T n-Octatriacontane (C38)	20.815	1926926	24.094 ug/mlm
22) T n-Tetracontane (C40)	21.725	1838436	22.314 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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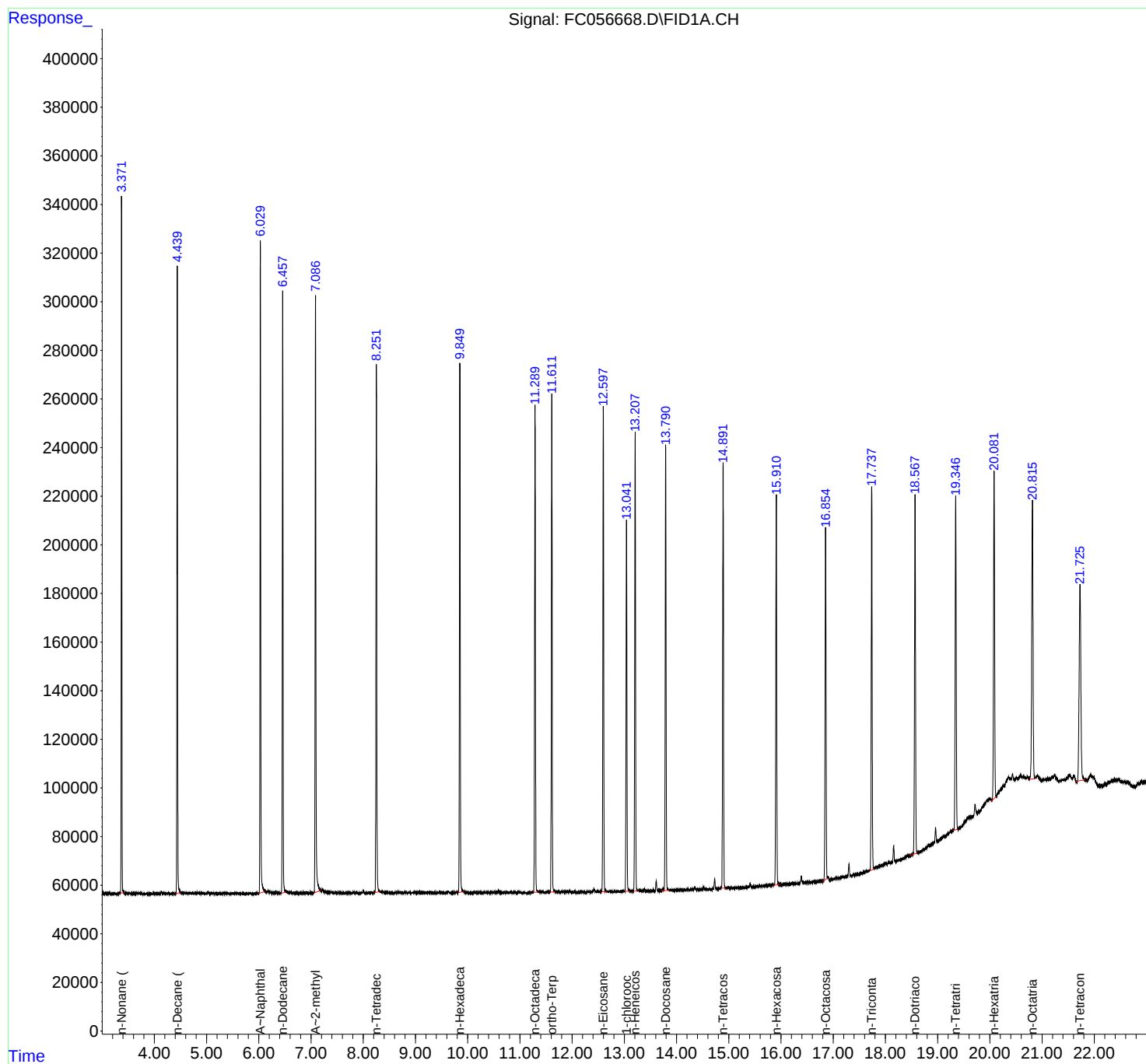
Instrument :
FID_C
ClientSampleId :

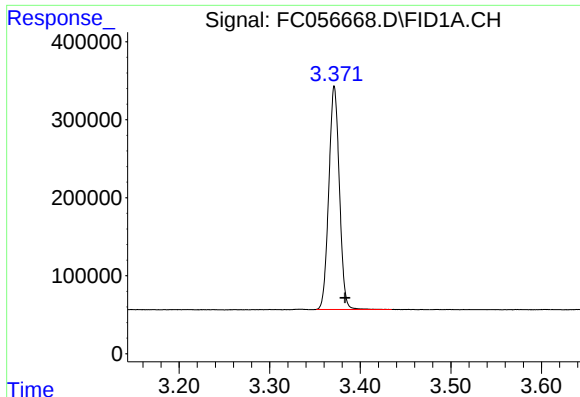
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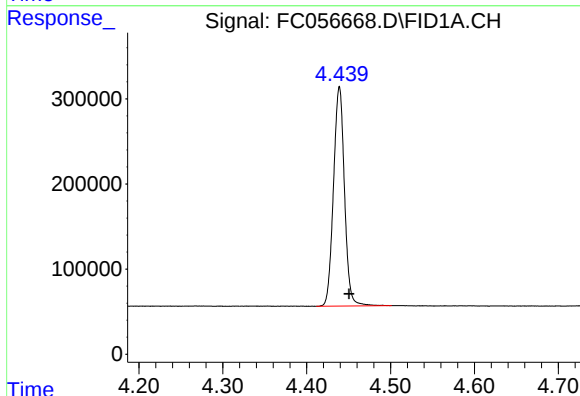
#1 n-Nonane (C9)

R.T.: 3.371 min
Delta R.T.: -0.012 min
Response: 2320023
Conc: 21.44 ug/ml

Instrument :
FID_C
ClientSampleId :

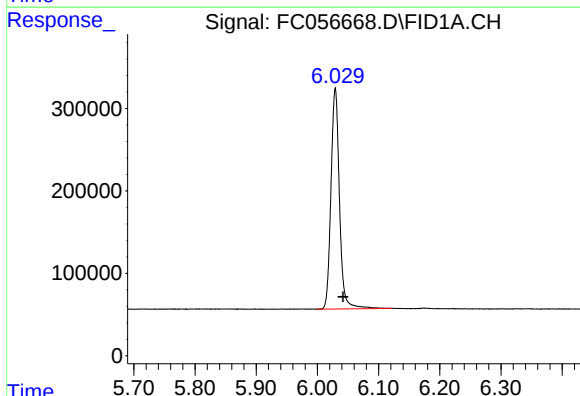
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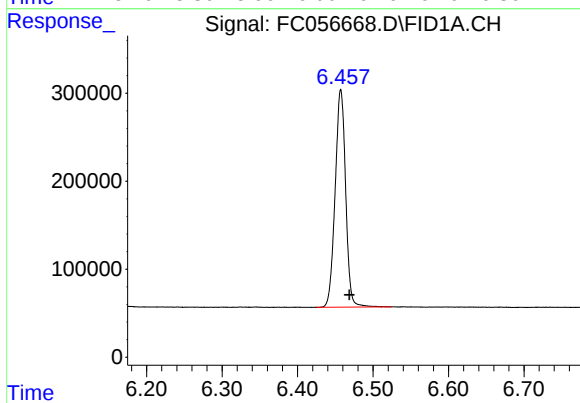
#2 n-Decane (C10)

R.T.: 4.439 min
Delta R.T.: -0.011 min
Response: 2347944
Conc: 21.80 ug/ml



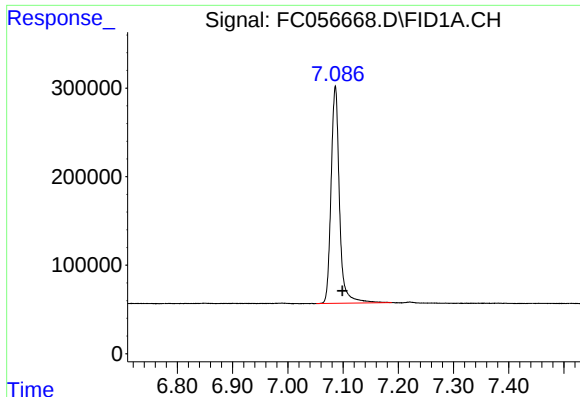
#3 A~Naphthalene (C11.7)

R.T.: 6.029 min
Delta R.T.: -0.013 min
Response: 2583410
Conc: 21.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.457 min
Delta R.T.: -0.011 min
Response: 2391587
Conc: 21.69 ug/ml



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

R.T.: 7.086 min
Delta R.T.: -0.013 min
Response: 2593287
Conc: 21.18 ug/ml

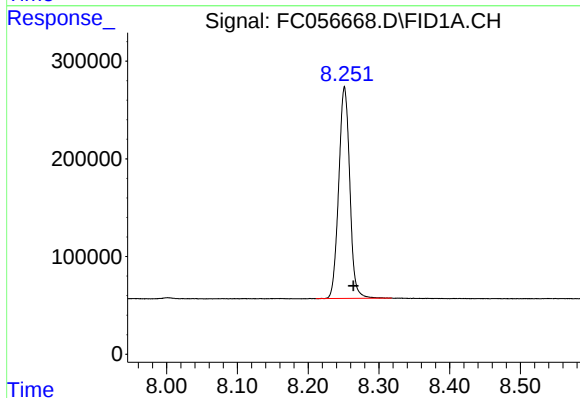
Instrument :

FID_C

ClientSampleId :

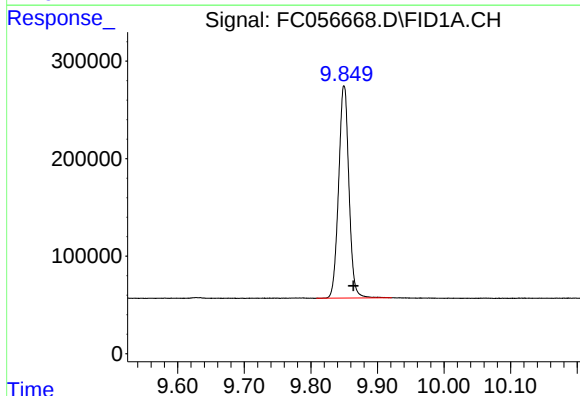
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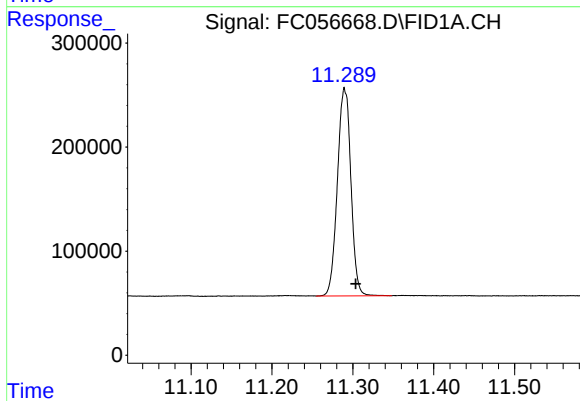
#6 n-Tetradecane (C14)

R.T.: 8.251 min
Delta R.T.: -0.012 min
Response: 2350100
Conc: 20.93 ug/ml



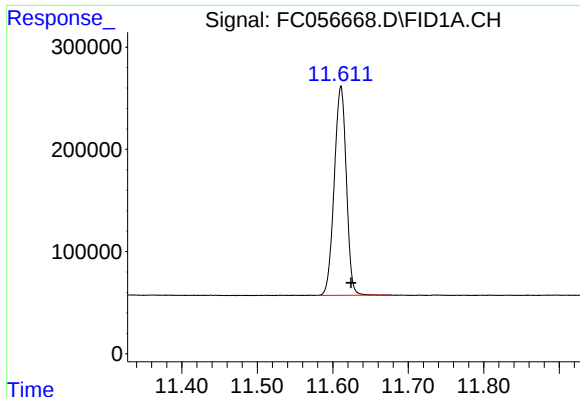
#7 n-Hexadecane (C16)

R.T.: 9.850 min
Delta R.T.: -0.014 min
Response: 2345911
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.290 min
Delta R.T.: -0.014 min
Response: 2316285
Conc: 19.82 ug/ml



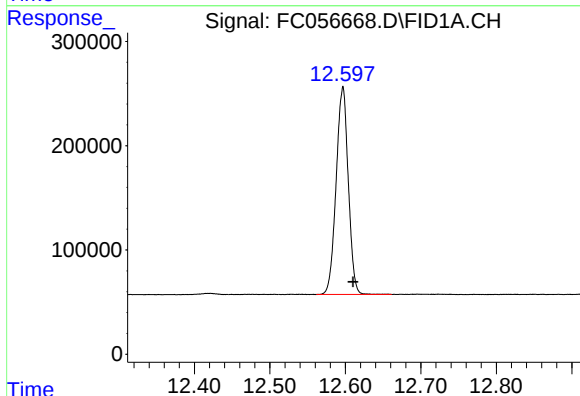
#9 ortho-Terphenyl (SURR)

R.T.: 11.611 min
Delta R.T.: -0.014 min
Response: 2274899
Conc: 18.37 ug/ml

Instrument :
FID_C
ClientSampleId :

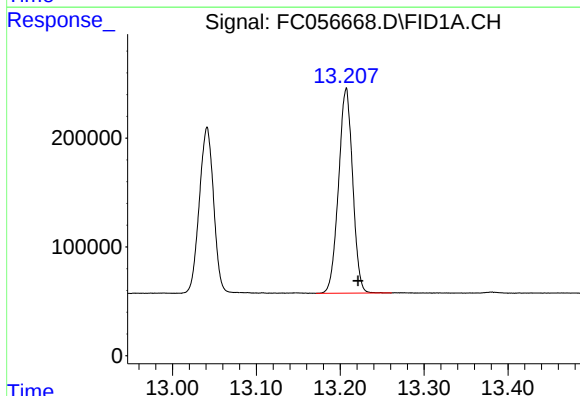
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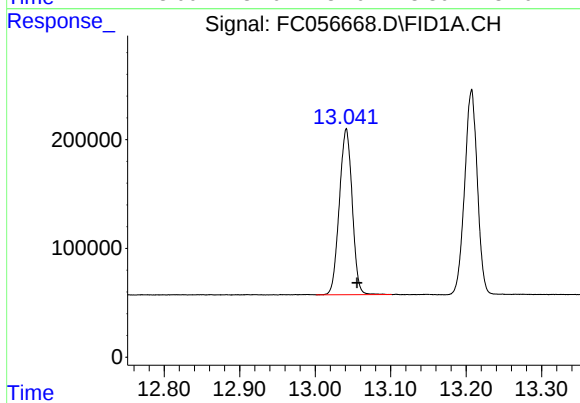
#10 n-Eicosane (C20)

R.T.: 12.596 min
Delta R.T.: -0.014 min
Response: 2227231
Conc: 19.38 ug/ml



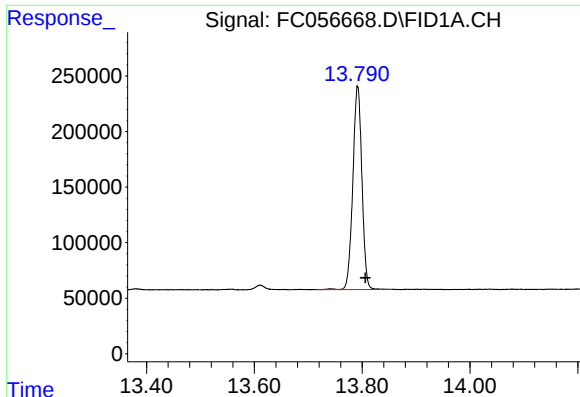
#11 n-Heneicosane (C21)

R.T.: 13.207 min
Delta R.T.: -0.014 min
Response: 2201909
Conc: 19.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.041 min
Delta R.T.: -0.014 min
Response: 1805393
Conc: 18.76 ug/ml



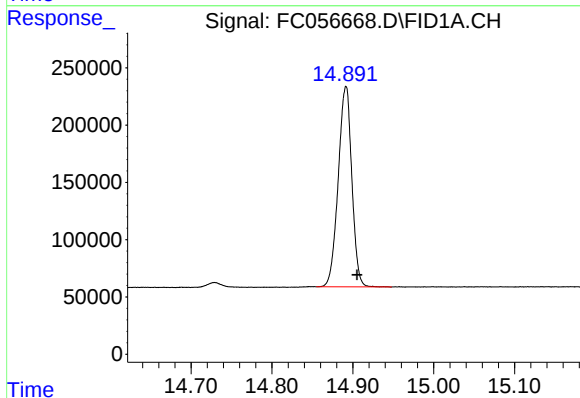
#13 n-Docosane (C22)

R.T.: 13.792 min
Delta R.T.: -0.014 min
Response: 2142917
Conc: 19.03 ug/ml

Instrument :
FID_C
ClientSampleId :

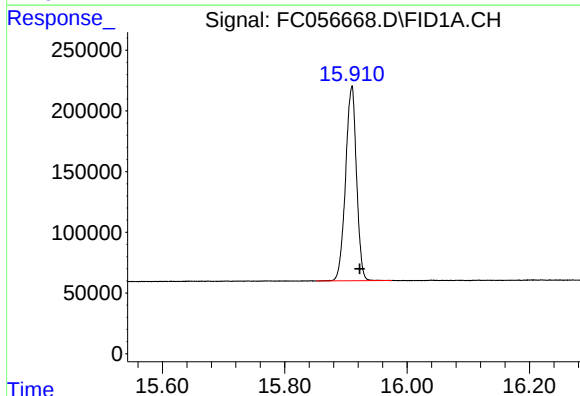
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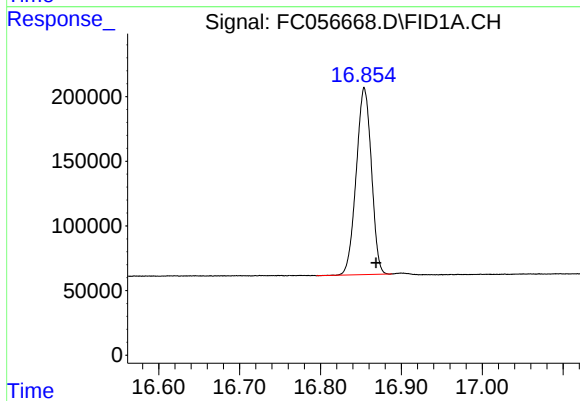
#14 n-Tetracosane (C24)

R.T.: 14.891 min
Delta R.T.: -0.014 min
Response: 2045687
Conc: 18.56 ug/ml



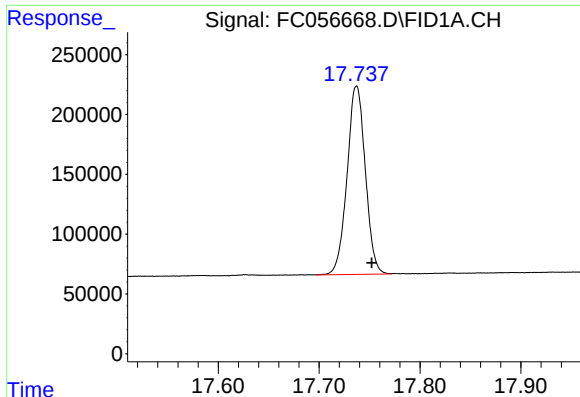
#15 n-Hexacosane (C26)

R.T.: 15.909 min
Delta R.T.: -0.014 min
Response: 1990624
Conc: 18.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.854 min
Delta R.T.: -0.015 min
Response: 1878567
Conc: 18.11 ug/ml



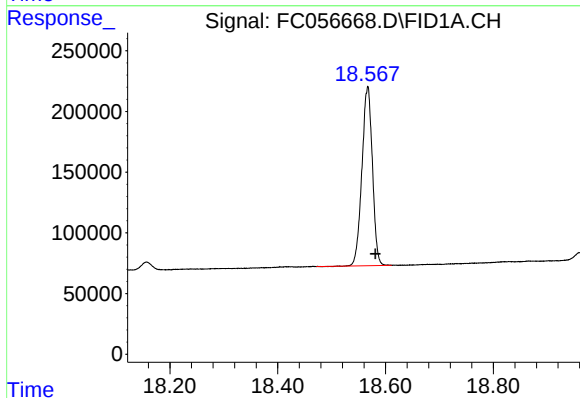
#17 n-Tricontane (C30)

R.T.: 17.737 min
Delta R.T.: -0.015 min
Response: 1981777
Conc: 19.13 ug/ml

Instrument :
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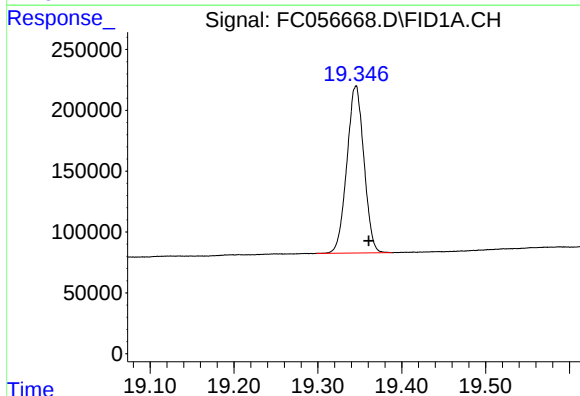
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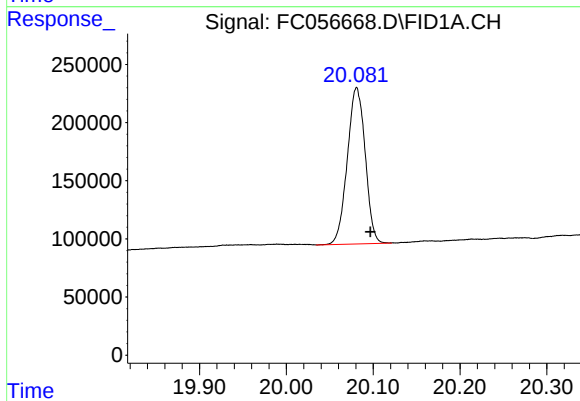
#18 n-Dotriacontane (C32)

R.T.: 18.567 min
Delta R.T.: -0.014 min
Response: 1986981
Conc: 20.74 ug/ml



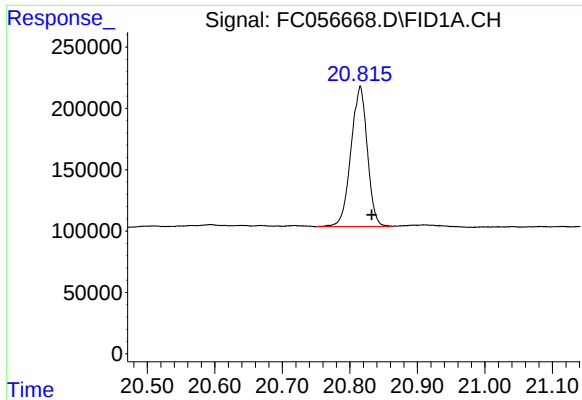
#19 n-Tetratriacontane (C34)

R.T.: 19.345 min
Delta R.T.: -0.015 min
Response: 1935237
Conc: 22.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.081 min
Delta R.T.: -0.016 min
Response: 1927123
Conc: 23.54 ug/ml m



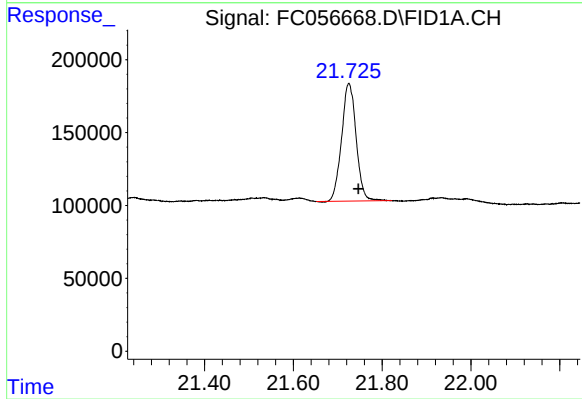
#21 n-Octatriacontane (C38)

R.T.: 20.815 min
Delta R.T.: -0.017 min
Response: 1926926
Conc: 24.09 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.725 min
Delta R.T.: -0.022 min
Response: 1838436
Conc: 22.31 ug/ml