

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081321AL\
 Data File : FC055170.D
 Signal(s) : FID1A.CH
 Acq On : 13 Aug 2021 10:45
 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
 8/17/2021 11:44:43 AM

Integration File: autoint1.e
 Quant Time: Aug 13 23:29:26 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 02:08:31 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)	11.304	2442532	19.401 ug/ml
Spiked Amount 50.000		Recovery =	38.80%
12) S 1-chlorooctadecane (S...	12.746	1907752	19.249 ug/ml
Spiked Amount 50.000		Recovery =	38.50%
Target Compounds			
1) T n-Nonane (C9)	3.142	2196786	21.009 ug/ml
2) T n-Decane (C10)	4.191	2287507	21.722 ug/ml
3) T A~Naphthalene (C11.7)	5.755	2355199	21.675 ug/ml
4) T n-Dodecane (C12)	6.191	2362250	21.754 ug/ml
5) T A~2-methylnaphthalene...	6.805	2396002	21.954 ug/ml
6) T n-Tetradecane (C14)	7.974	2388818	21.398 ug/ml
7) T n-Hexadecane (C16)	9.567	2393266	20.984 ug/ml
8) T n-Octadecane (C18)	11.001	2408060	20.421 ug/ml
10) T n-Eicosane (C20)	12.305	2312834	19.700 ug/ml
11) T n-Heneicosane (C21)	12.914	2297149	19.455 ug/ml
13) T n-Docosane (C22)	13.497	2231980	19.110 ug/mlm
14) T n-Tetracosane (C24)	14.597	2168994	18.739 ug/mlm
15) T n-Hexacosane (C26)	15.612	2055294	18.339 ug/ml
16) T n-Octacosane (C28)	16.560	1992609	18.353 ug/ml
17) T n-Tricontane (C30)	17.444	1961696	18.788 ug/ml
18) T n-Dotriacontane (C32)	18.273	1900118	19.187 ug/ml
19) T n-Tetratriacontane (C34)	19.054	1883480	19.872 ug/ml
20) T n-Hexatriacontane (C36)	19.792	1812728	20.060 ug/ml
21) T n-Octatriacontane (C38)	20.492	1745738	20.204 ug/ml
22) T n-Tetracontane (C40)	21.296	1769785	19.873 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

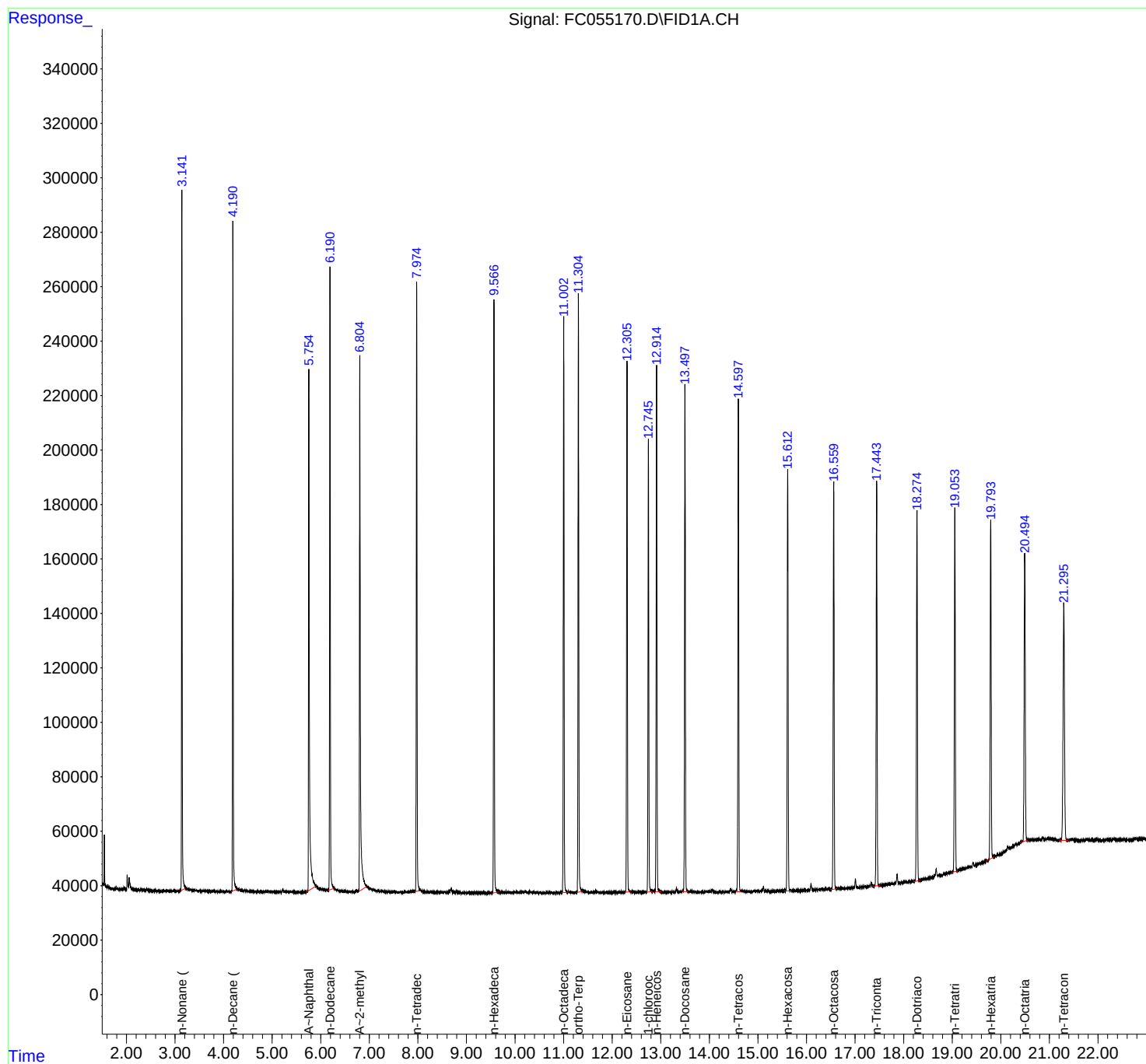
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

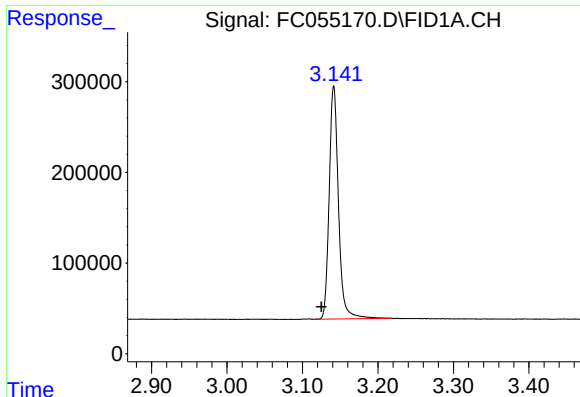
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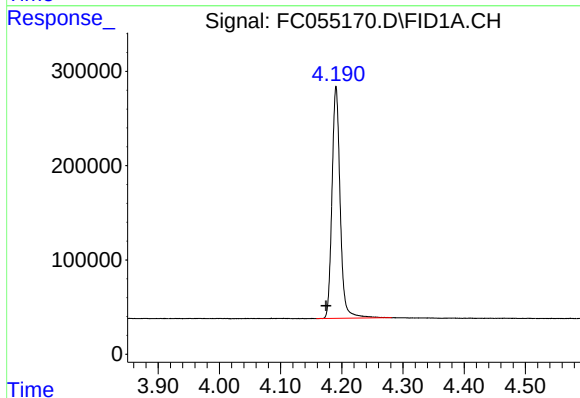
#1 n-Nonane (C9)

R.T.: 3.142 min
Delta R.T.: 0.017 min
Response: 2196786
Conc: 21.01 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

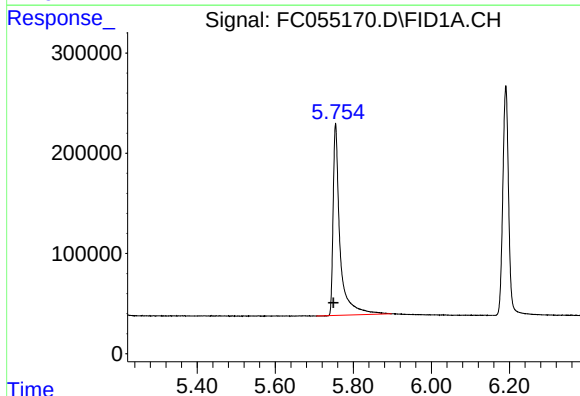
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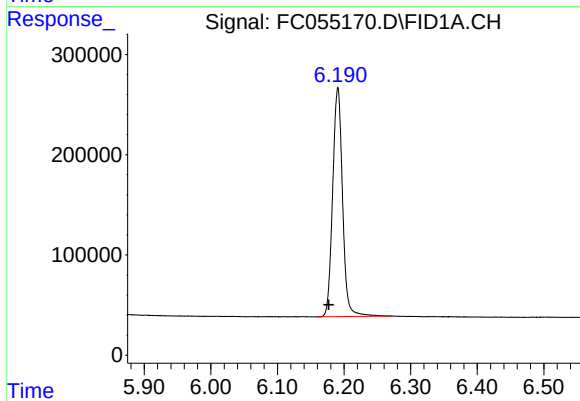
#2 n-Decane (C10)

R.T.: 4.191 min
Delta R.T.: 0.016 min
Response: 2287507
Conc: 21.72 ug/ml



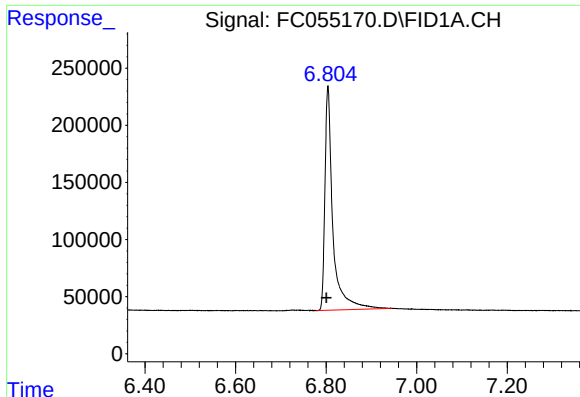
#3 A~Naphthalene (C11.7)

R.T.: 5.755 min
Delta R.T.: 0.006 min
Response: 2355199
Conc: 21.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.191 min
Delta R.T.: 0.014 min
Response: 2362250
Conc: 21.75 ug/ml



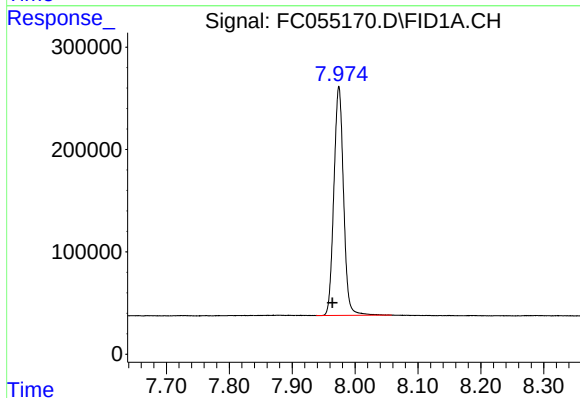
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.805 min
Delta R.T.: 0.004 min
Response: 2396002
Conc: 21.95 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

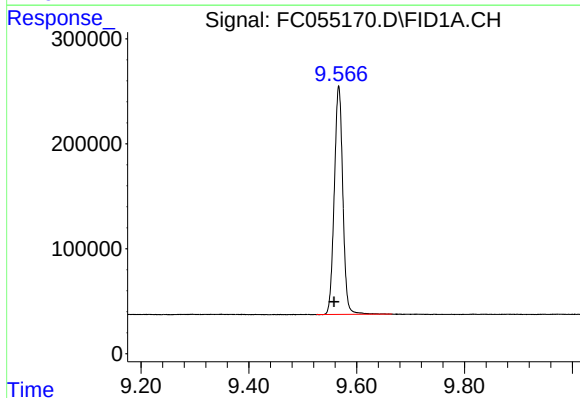
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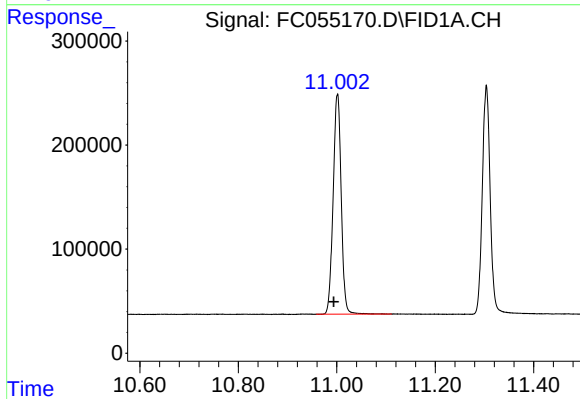
#6 n-Tetradecane (C14)

R.T.: 7.974 min
Delta R.T.: 0.010 min
Response: 2388818
Conc: 21.40 ug/ml



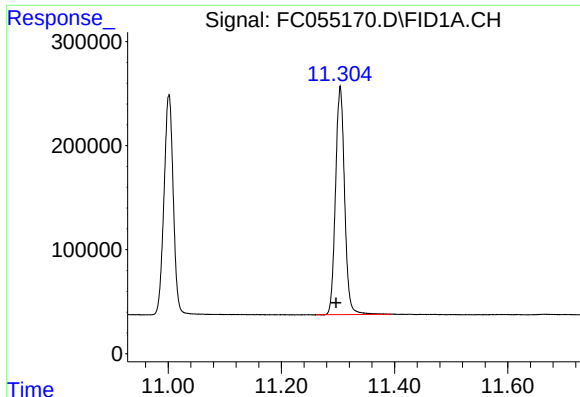
#7 n-Hexadecane (C16)

R.T.: 9.567 min
Delta R.T.: 0.009 min
Response: 2393266
Conc: 20.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.001 min
Delta R.T.: 0.007 min
Response: 2408060
Conc: 20.42 ug/ml



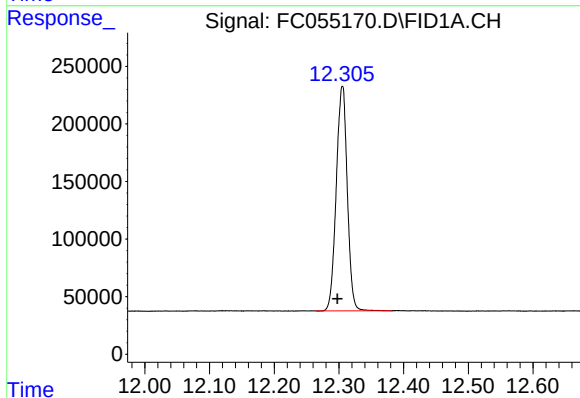
#9 ortho-Terphenyl (SURR)

R.T.: 11.304 min
Delta R.T.: 0.008 min
Response: 2442532
Conc: 19.40 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

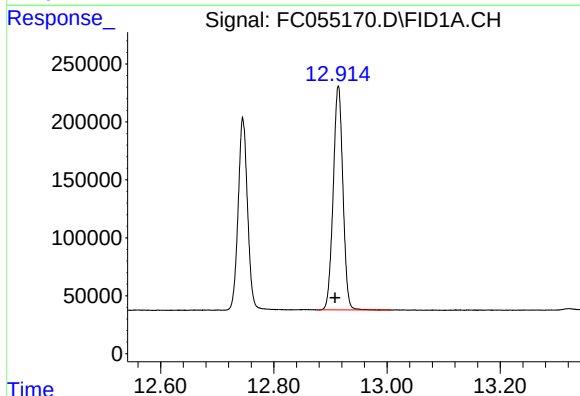
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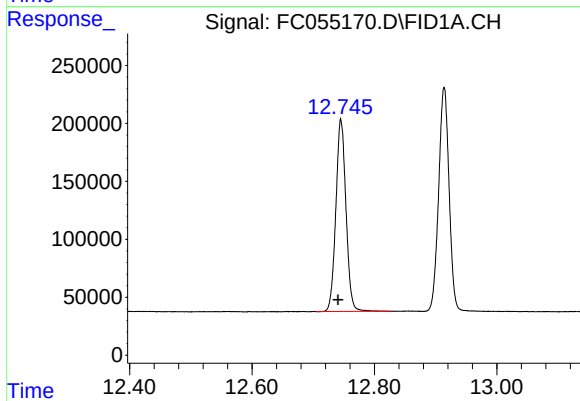
#10 n-Eicosane (C20)

R.T.: 12.305 min
Delta R.T.: 0.007 min
Response: 2312834
Conc: 19.70 ug/ml



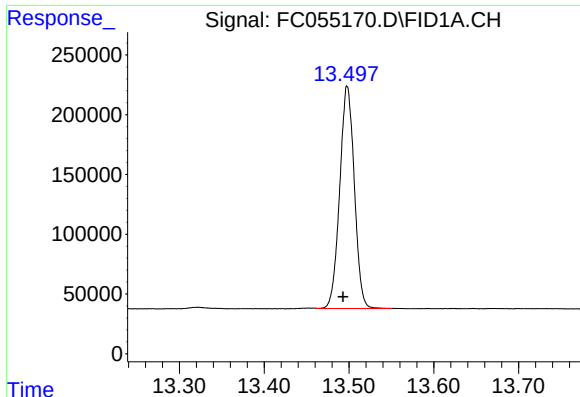
#11 n-Heneicosane (C21)

R.T.: 12.914 min
Delta R.T.: 0.006 min
Response: 2297149
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.746 min
Delta R.T.: 0.005 min
Response: 1907752
Conc: 19.25 ug/ml



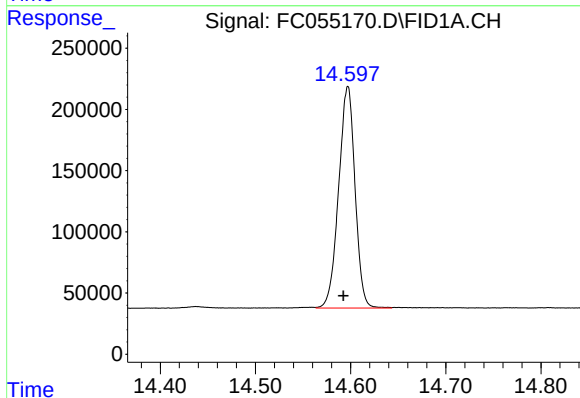
#13 n-Docosane (C22)

R.T.: 13.497 min
Delta R.T.: 0.004 min
Response: 2231980
Conc: 19.11 ug/ml m

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20 PPM ALIPHATIC HC STD

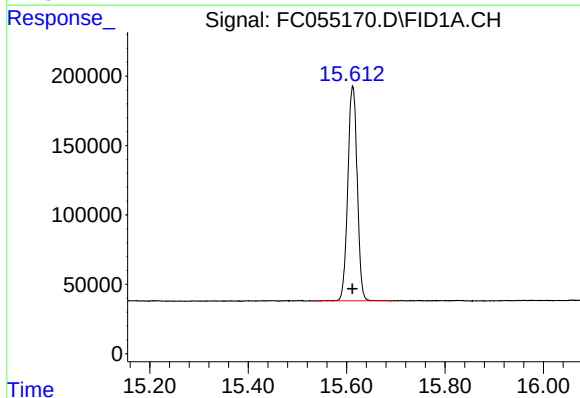
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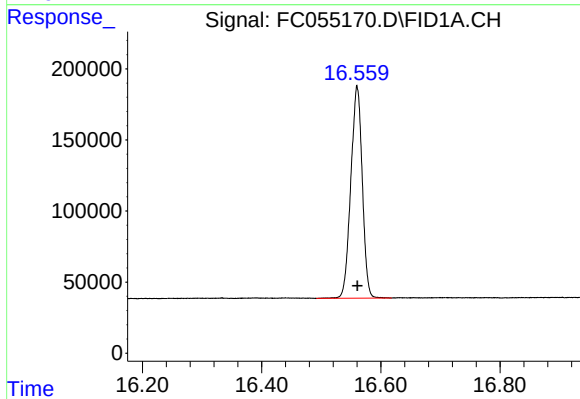
#14 n-Tetracosane (C24)

R.T.: 14.597 min
Delta R.T.: 0.004 min
Response: 2168994
Conc: 18.74 ug/ml m



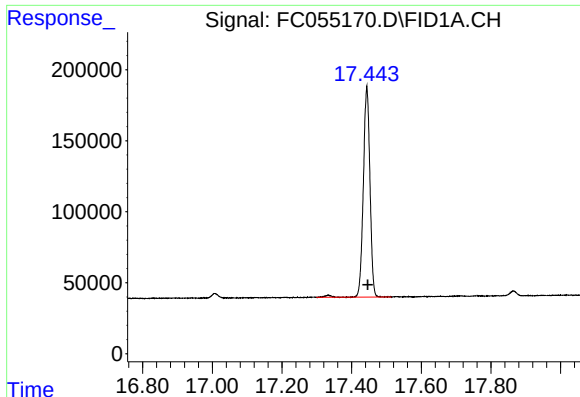
#15 n-Hexacosane (C26)

R.T.: 15.612 min
Delta R.T.: 0.000 min
Response: 2055294
Conc: 18.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.560 min
Delta R.T.: 0.000 min
Response: 1992609
Conc: 18.35 ug/ml



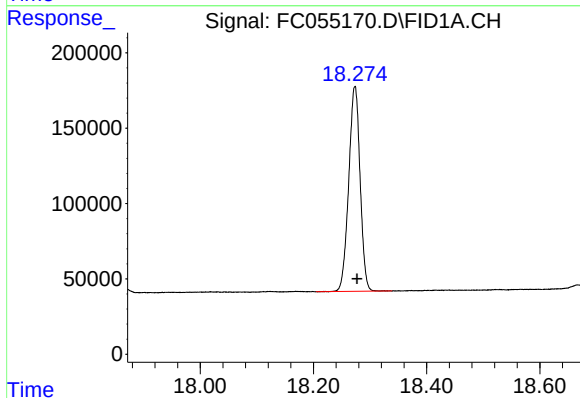
#17 n-Tricontane (C30)

R.T.: 17.444 min
Delta R.T.: -0.003 min
Response: 1961696
Conc: 18.79 ug/ml

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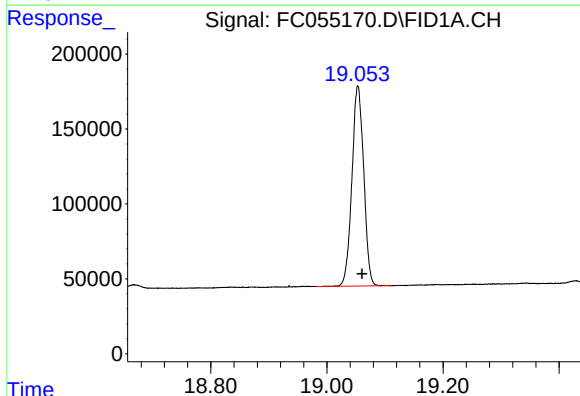
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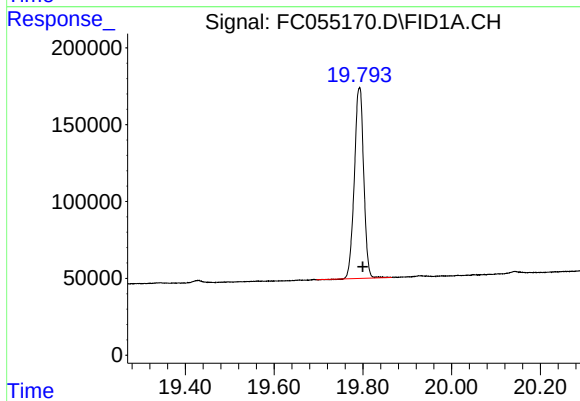
#18 n-Dotriacontane (C32)

R.T.: 18.273 min
Delta R.T.: -0.004 min
Response: 1900118
Conc: 19.19 ug/ml



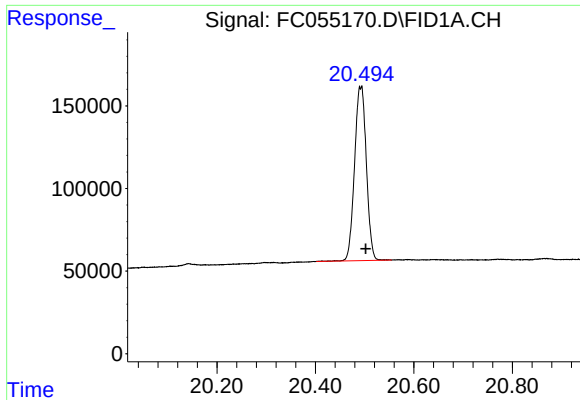
#19 n-Tetratriacontane (C34)

R.T.: 19.054 min
Delta R.T.: -0.007 min
Response: 1883480
Conc: 19.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.792 min
Delta R.T.: -0.008 min
Response: 1812728
Conc: 20.06 ug/ml



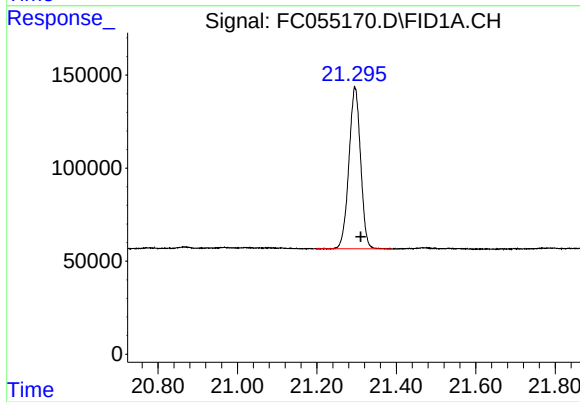
#21 n-Octatriacontane (C38)

R.T.: 20.492 min
Delta R.T.: -0.011 min
Response: 1745738
Conc: 20.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.296 min
Delta R.T.: -0.014 min
Response: 1769785
Conc: 19.87 ug/ml