

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042621AL\
 Data File : FC053409.D
 Signal(s) : FID1A.CH
 Acq On : 26 Apr 2021 22:38
 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

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 4/27/2021 1:58:51 PM

Integration File: autoint1.e
 Quant Time: Apr 27 01:29:49 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 042021.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 21 11:02:12 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)	11.554	2421284	17.495 ug/ml
Spiked Amount 50.000		Recovery =	34.99%
12) S 1-chlorooctadecane (S...	12.996	1821872	16.833 ug/ml
Spiked Amount 50.000		Recovery =	33.67%
Target Compounds			
1) T n-Nonane (C9)	3.304	2441001	21.041 ug/ml
2) T n-Decane (C10)	4.371	2478756	21.180 ug/ml
3) T A~Naphthalene (C11.7)	5.958	2720557	20.912 ug/ml
4) T n-Dodecane (C12)	6.392	2518220	21.102 ug/ml
5) T A~2-methylnaphthalene...	7.017	2762197	20.898 ug/ml
6) T n-Tetradecane (C14)	8.191	2482537	20.398 ug/ml
7) T n-Hexadecane (C16)	9.794	2385986	19.829 ug/ml
8) T n-Octadecane (C18)	11.239	2378144	18.768 ug/ml
10) T n-Eicosane (C20)	12.551	2267965	17.685 ug/ml
11) T n-Heneicosane (C21)	13.164	2193359	17.078 ug/ml
13) T n-Docosane (C22)	13.751	2169173	16.831 ug/ml
14) T n-Tetracosane (C24)	14.856	2128282	16.478 ug/ml
15) T n-Hexacosane (C26)	15.878	2113706	16.447 ug/ml
16) T n-Octacosane (C28)	16.829	2108169	16.278 ug/ml
17) T n-Tricontane (C30)	17.719	2118611	15.733 ug/mlm
18) T n-Dotriacontane (C32)	18.553	2106227	15.358 ug/mlm
19) T n-Tetratriacontane (C34)	19.337	2107235	16.148 ug/mlm
20) T n-Hexatriacontane (C36)	20.079	2048096	16.916 ug/mlm
21) T n-Octatriacontane (C38)	20.812	1869506	17.742 ug/mlm
22) T n-Tetracontane (C40)	21.722	1990489	19.011 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

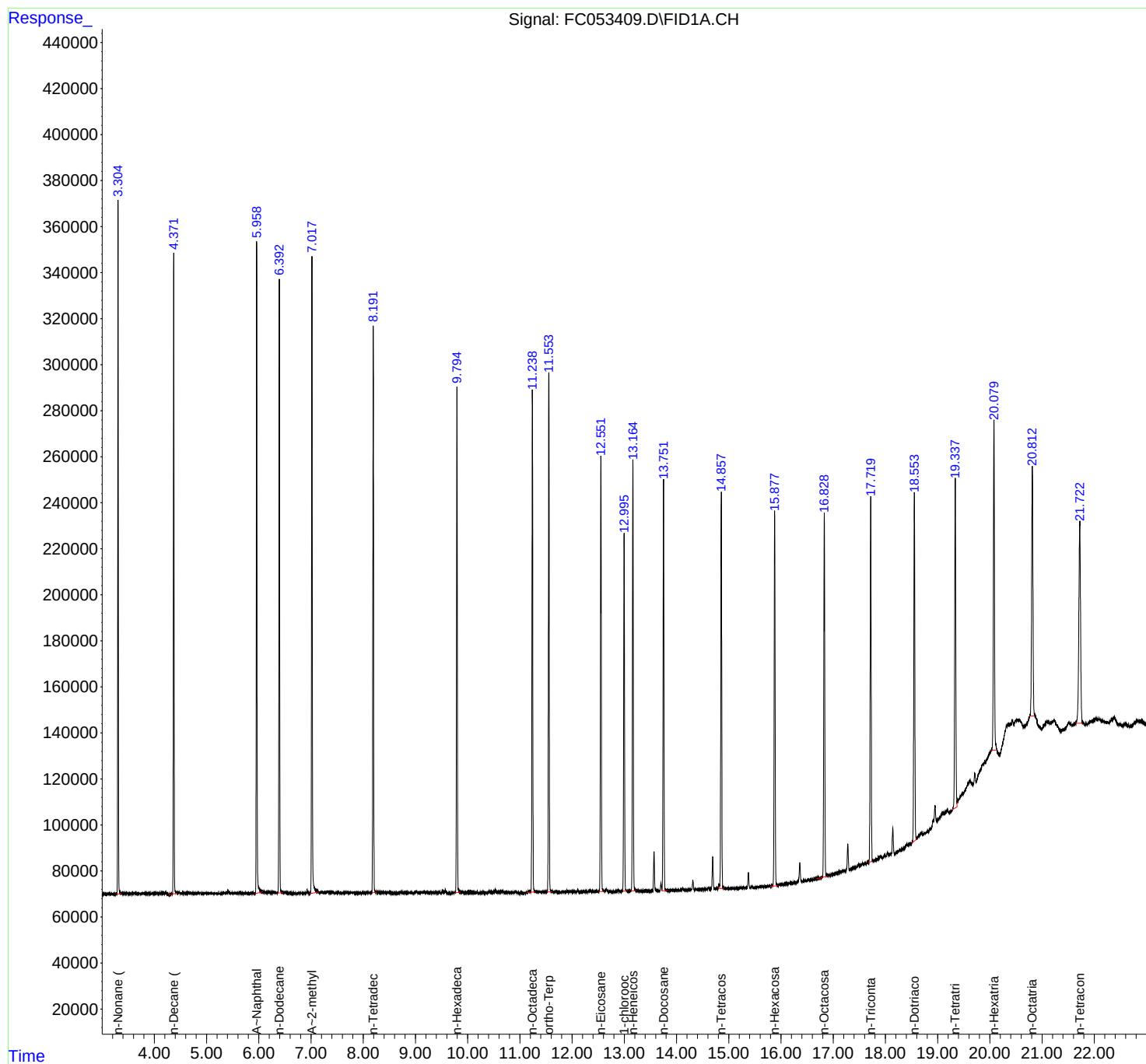
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

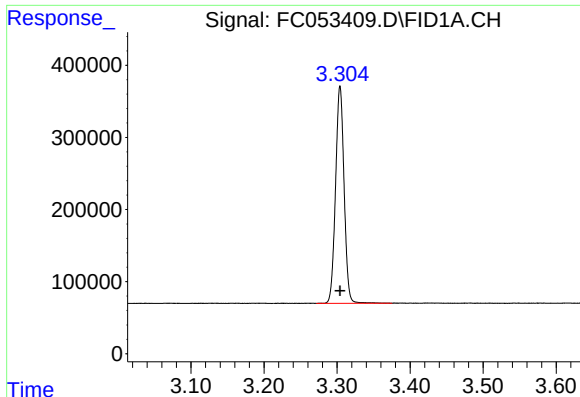
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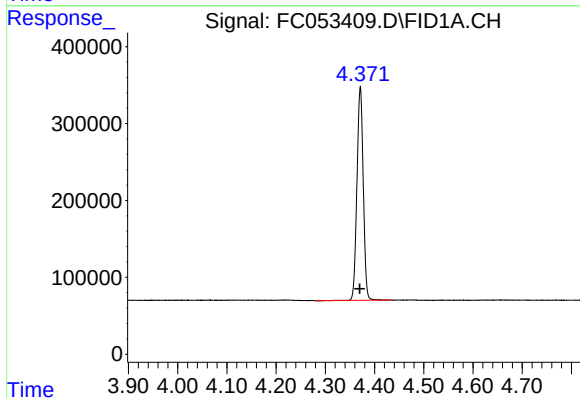
#1 n-Nonane (C9)

R.T.: 3.304 min
Delta R.T.: 0.000 min
Response: 2441001
Conc: 21.04 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

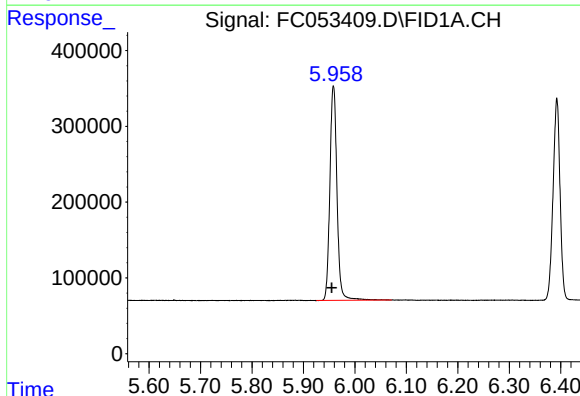
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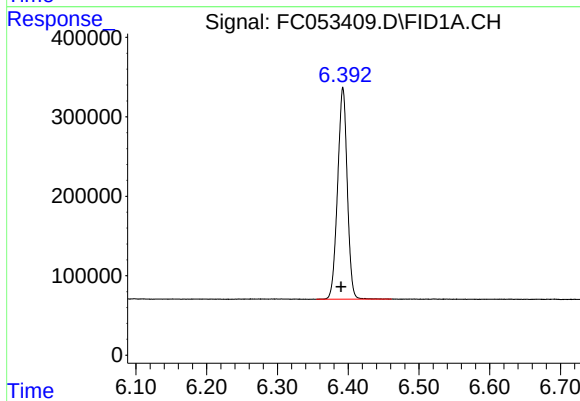
#2 n-Decane (C10)

R.T.: 4.371 min
Delta R.T.: 0.001 min
Response: 2478756
Conc: 21.18 ug/ml



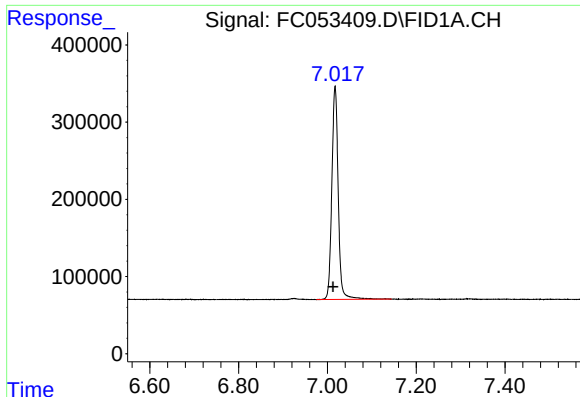
#3 A~Naphthalene (C11.7)

R.T.: 5.958 min
Delta R.T.: 0.004 min
Response: 2720557
Conc: 20.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.392 min
Delta R.T.: 0.002 min
Response: 2518220
Conc: 21.10 ug/ml



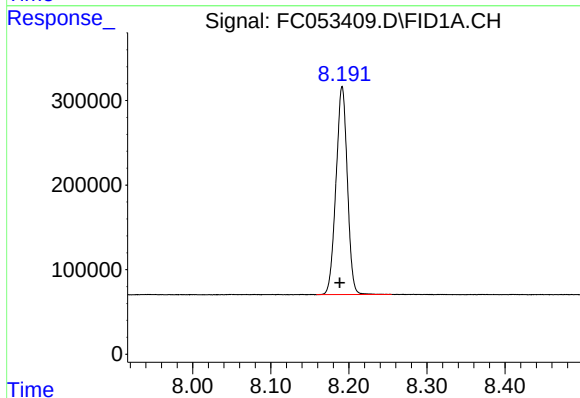
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.017 min
Delta R.T.: 0.005 min
Response: 2762197
Conc: 20.90 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

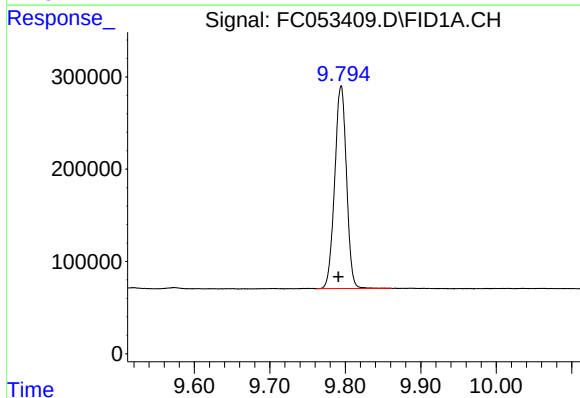
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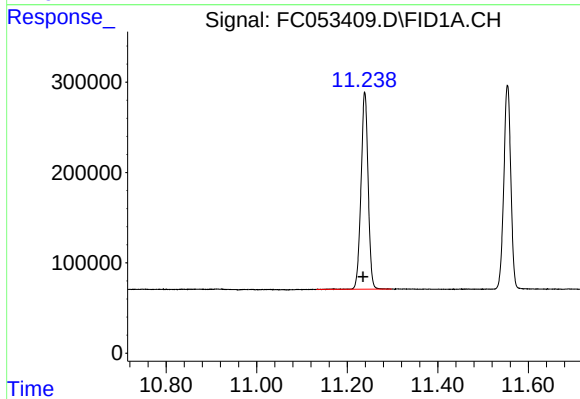
#6 n-Tetradecane (C14)

R.T.: 8.191 min
Delta R.T.: 0.003 min
Response: 2482537
Conc: 20.40 ug/ml



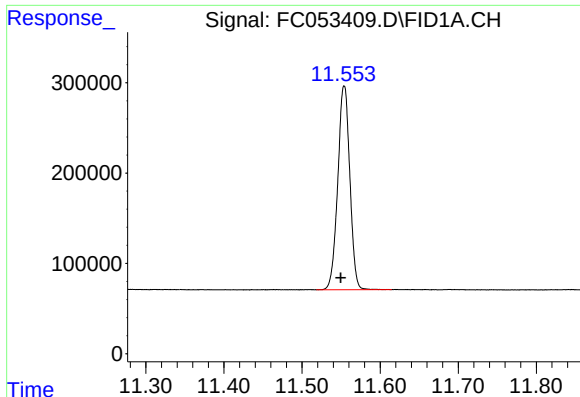
#7 n-Hexadecane (C16)

R.T.: 9.794 min
Delta R.T.: 0.003 min
Response: 2385986
Conc: 19.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.239 min
Delta R.T.: 0.004 min
Response: 2378144
Conc: 18.77 ug/ml



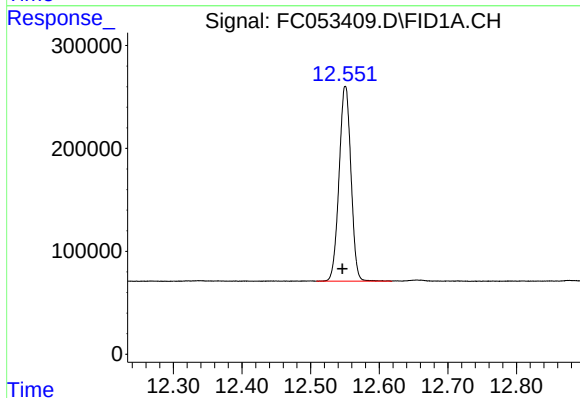
#9 ortho-Terphenyl (SURR)

R.T.: 11.554 min
Delta R.T.: 0.004 min
Response: 2421284
Conc: 17.50 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

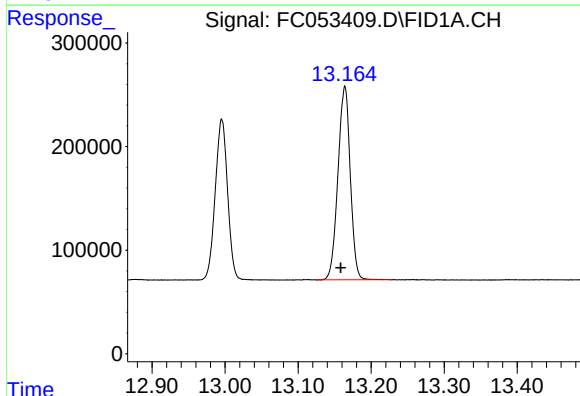
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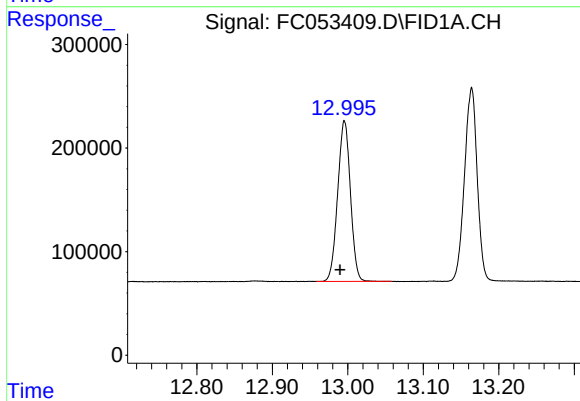
#10 n-Eicosane (C20)

R.T.: 12.551 min
Delta R.T.: 0.004 min
Response: 2267965
Conc: 17.69 ug/ml



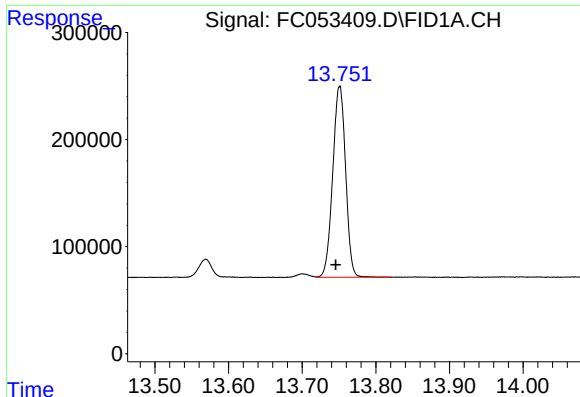
#11 n-Heneicosane (C21)

R.T.: 13.164 min
Delta R.T.: 0.005 min
Response: 2193359
Conc: 17.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.996 min
Delta R.T.: 0.006 min
Response: 1821872
Conc: 16.83 ug/ml



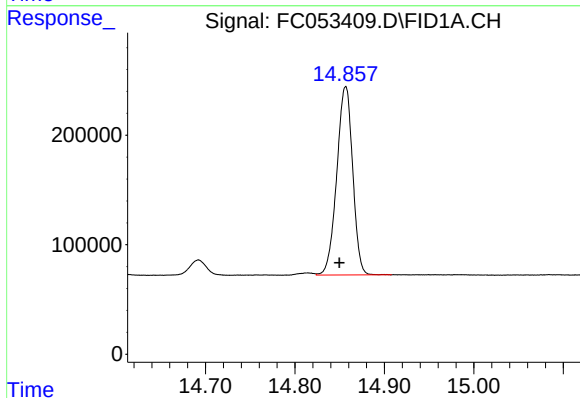
#13 n-Docosane (C22)

R.T.: 13.751 min
Delta R.T.: 0.005 min
Response: 2169173
Conc: 16.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

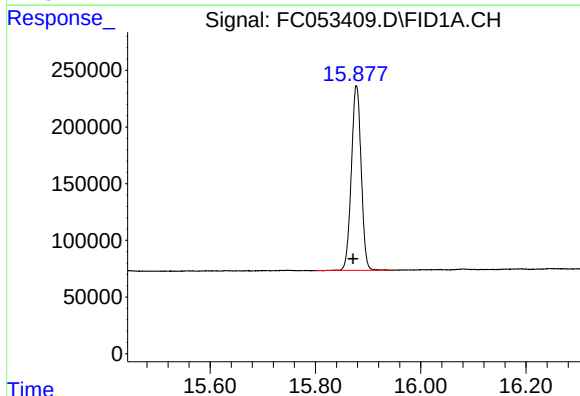
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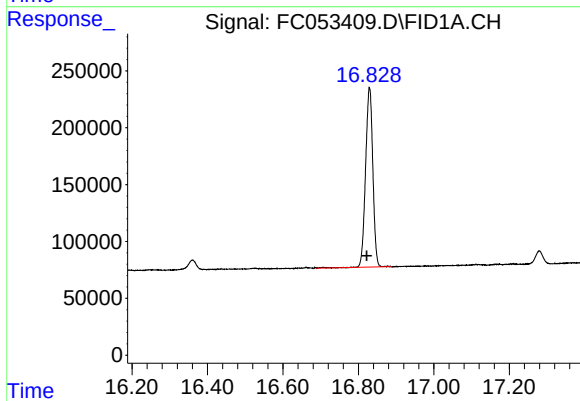
#14 n-Tetracosane (C24)

R.T.: 14.856 min
Delta R.T.: 0.007 min
Response: 2128282
Conc: 16.48 ug/ml



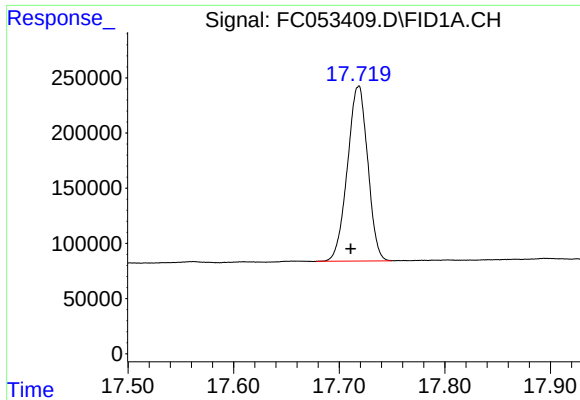
#15 n-Hexacosane (C26)

R.T.: 15.878 min
Delta R.T.: 0.007 min
Response: 2113706
Conc: 16.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.829 min
Delta R.T.: 0.007 min
Response: 2108169
Conc: 16.28 ug/ml



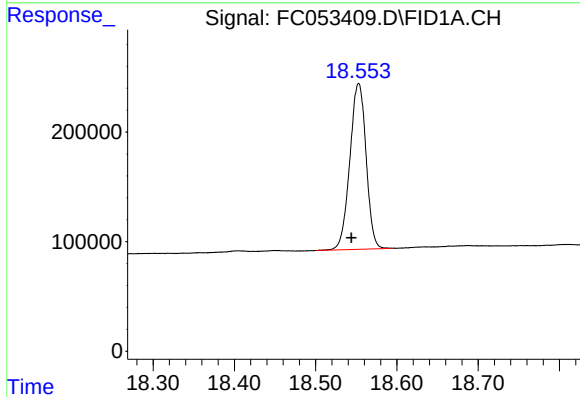
#17 n-Tricontane (C30)

R.T.: 17.719 min
Delta R.T.: 0.008 min
Response: 2118611
Conc: 15.73 ug/ml m

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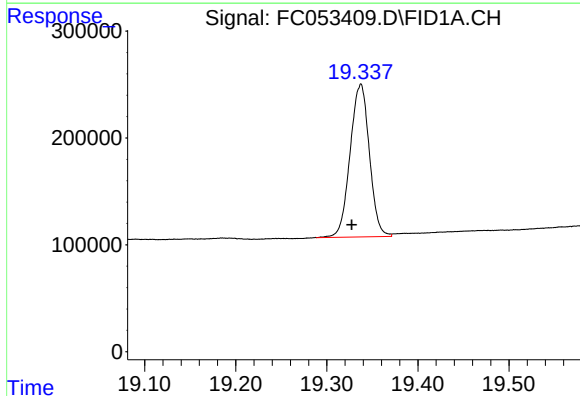
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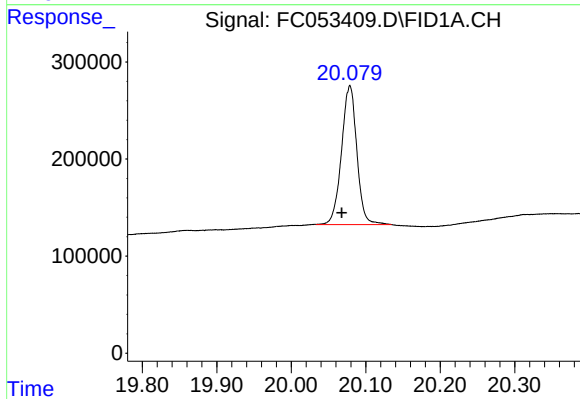
#18 n-Dotriacontane (C32)

R.T.: 18.553 min
Delta R.T.: 0.009 min
Response: 2106227
Conc: 15.36 ug/ml m



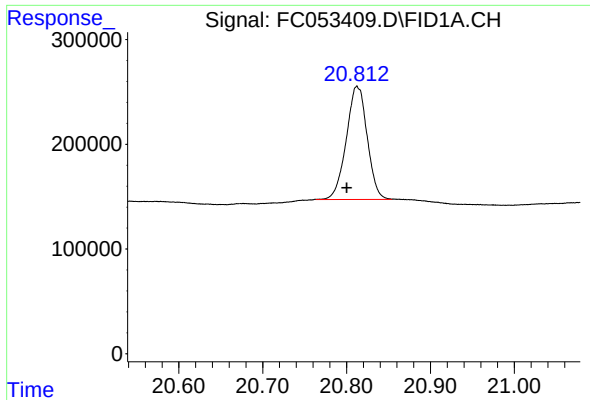
#19 n-Tetratriacontane (C34)

R.T.: 19.337 min
Delta R.T.: 0.010 min
Response: 2107235
Conc: 16.15 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.079 min
Delta R.T.: 0.011 min
Response: 2048096
Conc: 16.92 ug/ml m



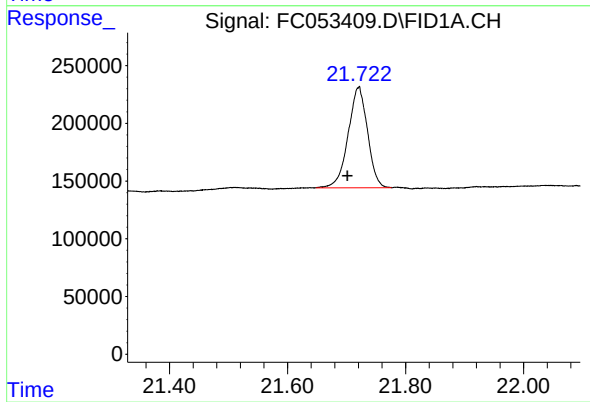
#21 n-Octatriacontane (C38)

R.T.: 20.812 min
Delta R.T.: 0.012 min
Response: 1869506
Conc: 17.74 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.722 min
Delta R.T.: 0.020 min
Response: 1990489
Conc: 19.01 ug/ml m