

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031221AL\
 Data File : FC052421.D
 Signal(s) : FID1A.CH
 Acq On : 13 Mar 2021 11:47
 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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 3/15/2021 1:13:37 PM

Integration File: autoint1.e
 Quant Time: Mar 15 01:10:07 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 030321.M
 Quant Title : GC Extractables
 QLast Update : Thu Mar 04 03:56:17 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)	11.607	2475879	18.774 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
12) S 1-chlorooctadecane (S...	13.043	1927886	18.537 ug/ml
Spiked Amount 50.000		Recovery =	37.07%
Target Compounds			
1) T n-Nonane (C9)	3.351	2445834	20.749 ug/ml
2) T n-Decane (C10)	4.420	2463527	20.743 ug/ml
3) T A~Naphthalene (C11.7)	6.010	2745709	20.679 ug/ml
4) T n-Dodecane (C12)	6.442	2501499	20.693 ug/ml
5) T A~2-methylnaphthalene...	7.069	2777273	20.461 ug/ml
6) T n-Tetradecane (C14)	8.241	2487554	20.517 ug/ml
7) T n-Hexadecane (C16)	9.844	2409203	20.135 ug/ml
8) T n-Octadecane (C18)	11.288	2429530	19.627 ug/ml
10) T n-Eicosane (C20)	12.598	2339997	18.991 ug/ml
11) T n-Heneicosane (C21)	13.211	2275141	18.637 ug/ml
13) T n-Docosane (C22)	13.798	2209823	18.366 ug/ml
14) T n-Tetracosane (C24)	14.901	2095530	17.974 ug/ml
15) T n-Hexacosane (C26)	15.922	1961648	17.857 ug/ml
16) T n-Octacosane (C28)	16.873	1888771	18.427 ug/ml
17) T n-Tricontane (C30)	17.761	1834853	19.491 ug/ml
18) T n-Dotriacontane (C32)	18.594	1757314	20.582 ug/ml
19) T n-Tetratriacontane (C34)	19.376	1661372	21.429 ug/ml
20) T n-Hexatriacontane (C36)	20.116	1617836	22.515 ug/mlm
21) T n-Octatriacontane (C38)	20.859	1538079	22.453 ug/ml
22) T n-Tetracontane (C40)	21.780	1570029	21.833 ug/ml

(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

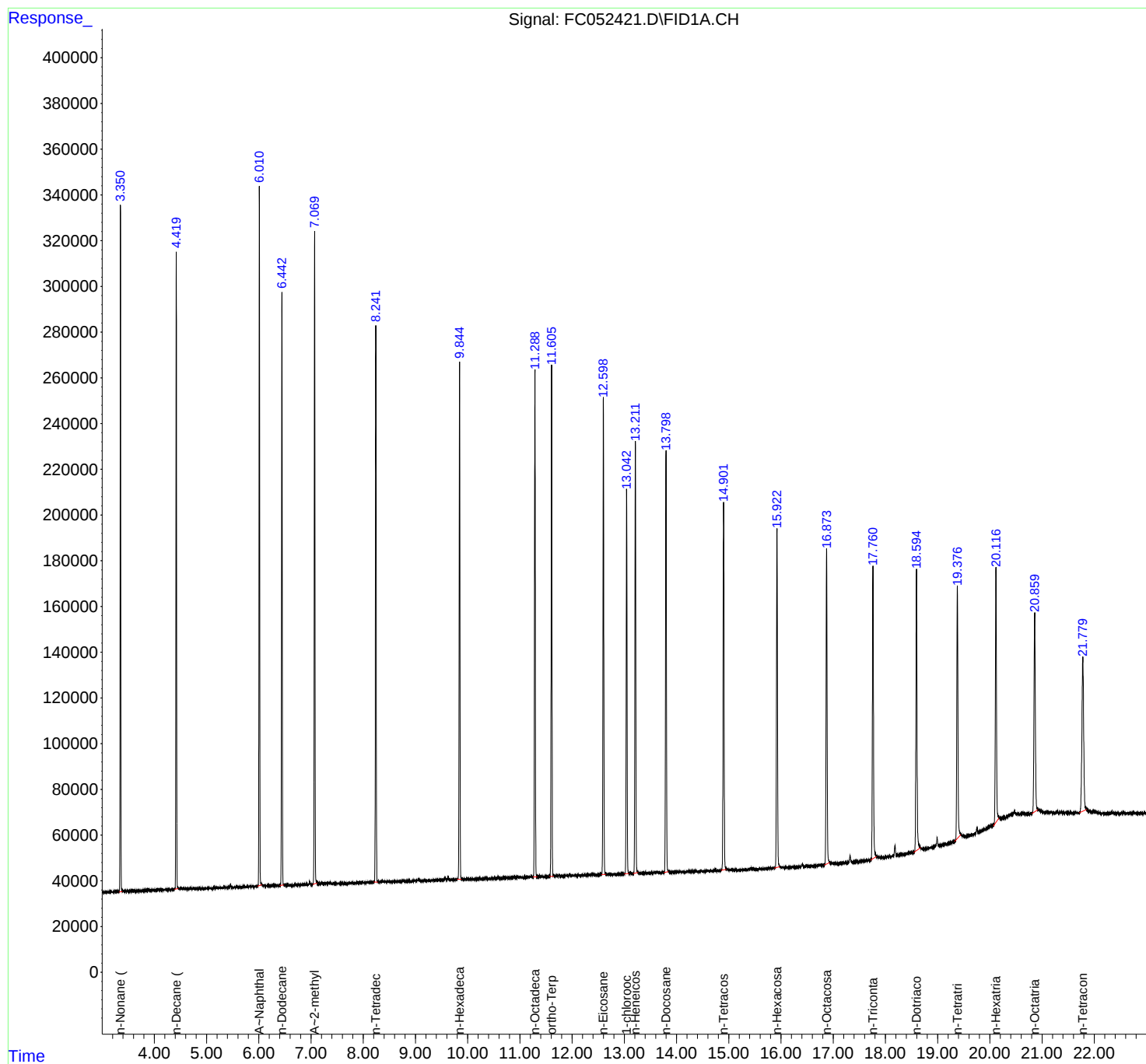
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

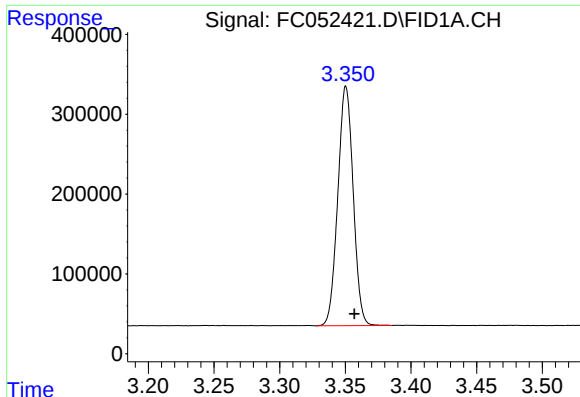
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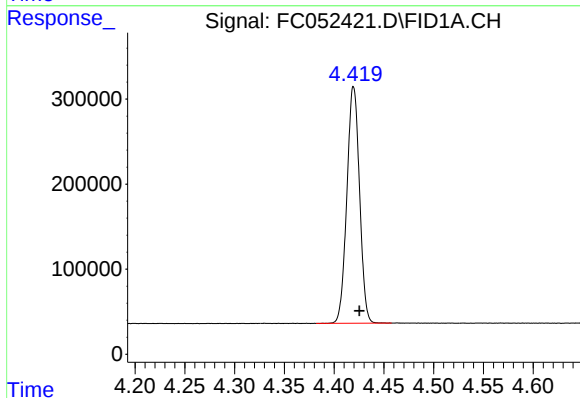
#1 n-Nonane (C9)

R.T.: 3.351 min
Delta R.T.: -0.006 min
Response: 2445834
Conc: 20.75 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

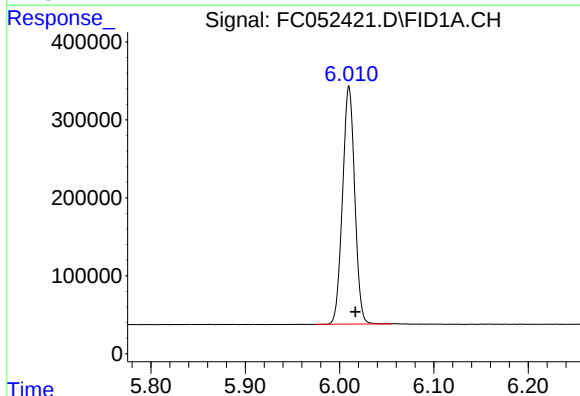
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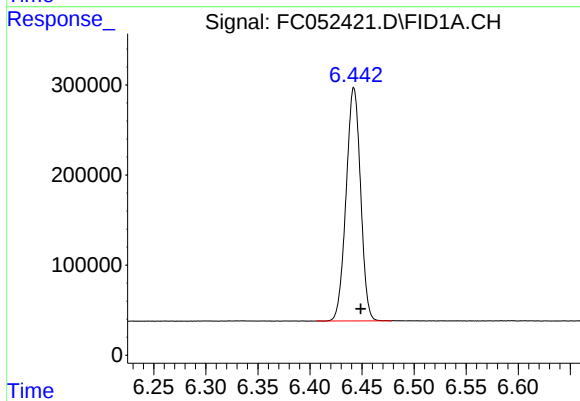
#2 n-Decane (C10)

R.T.: 4.420 min
Delta R.T.: -0.006 min
Response: 2463527
Conc: 20.74 ug/ml



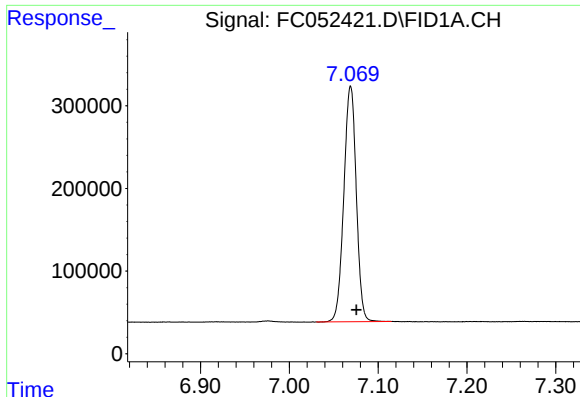
#3 A~Naphthalene (C11.7)

R.T.: 6.010 min
Delta R.T.: -0.007 min
Response: 2745709
Conc: 20.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.442 min
Delta R.T.: -0.007 min
Response: 2501499
Conc: 20.69 ug/ml



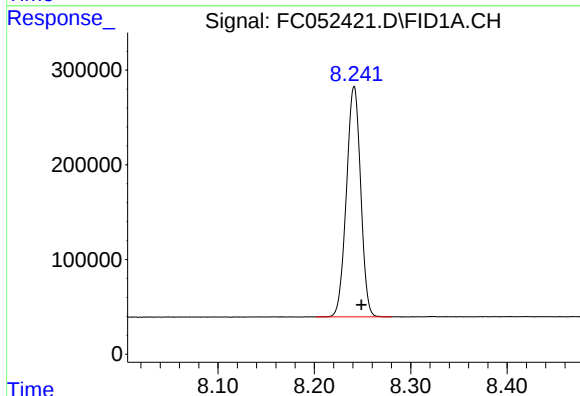
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.069 min
Delta R.T.: -0.006 min
Response: 2777273
Conc: 20.46 ug/ml

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20 PPM ALIPHATIC HC STD

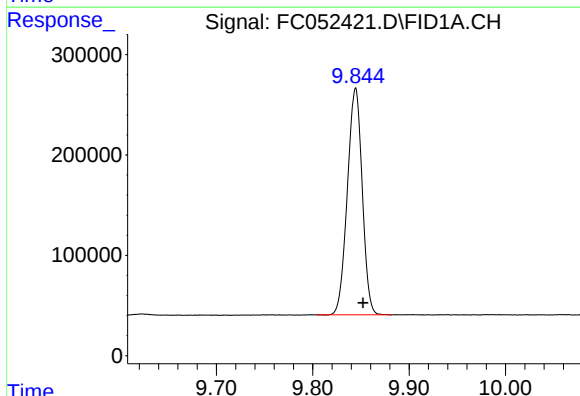
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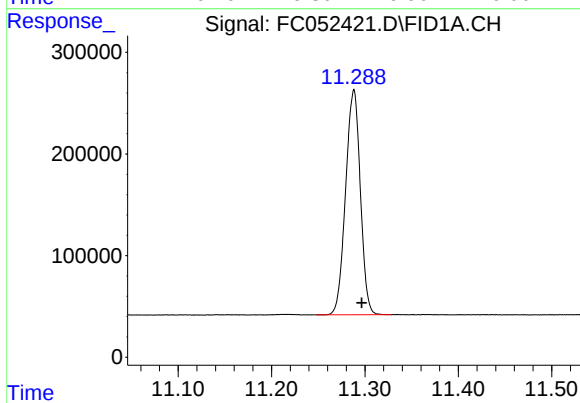
#6 n-Tetradecane (C14)

R.T.: 8.241 min
Delta R.T.: -0.008 min
Response: 2487554
Conc: 20.52 ug/ml



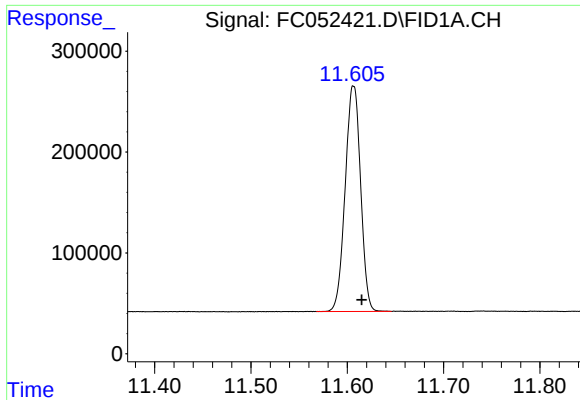
#7 n-Hexadecane (C16)

R.T.: 9.844 min
Delta R.T.: -0.008 min
Response: 2409203
Conc: 20.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.288 min
Delta R.T.: -0.009 min
Response: 2429530
Conc: 19.63 ug/ml



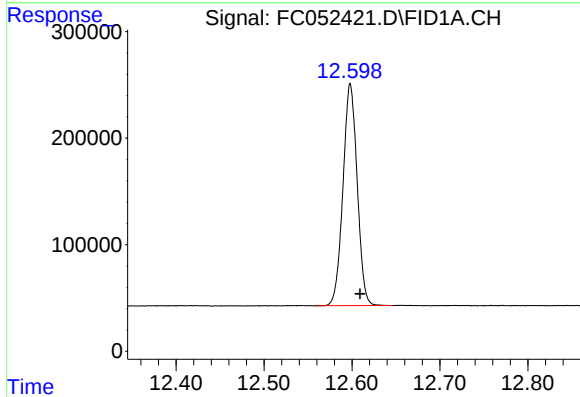
#9 ortho-Terphenyl (SURR)

R.T.: 11.607 min
Delta R.T.: -0.009 min
Response: 2475879
Conc: 18.77 ug/ml

Instrument :
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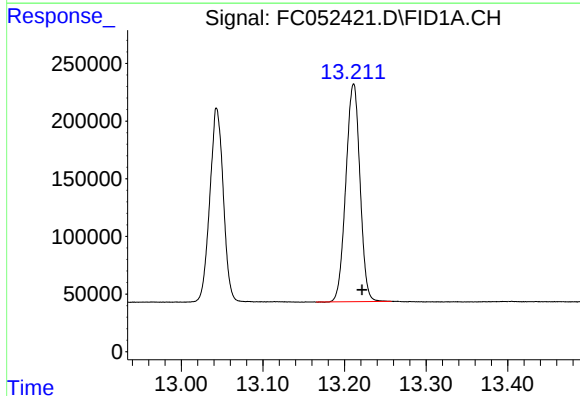
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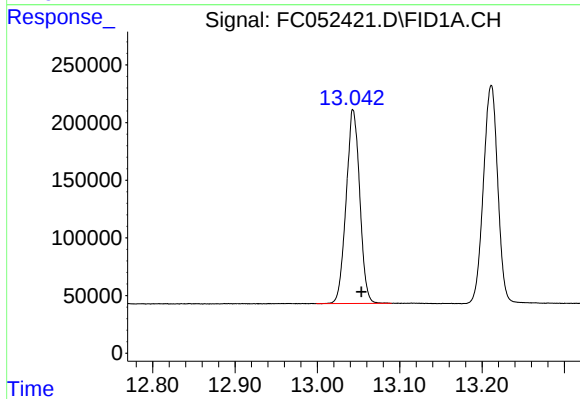
#10 n-Eicosane (C20)

R.T.: 12.598 min
Delta R.T.: -0.011 min
Response: 2339997
Conc: 18.99 ug/ml



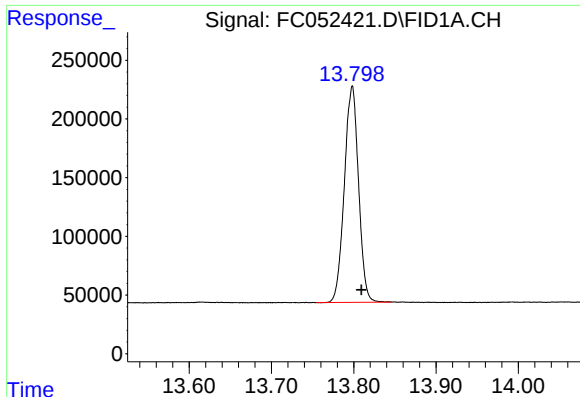
#11 n-Heneicosane (C21)

R.T.: 13.211 min
Delta R.T.: -0.010 min
Response: 2275141
Conc: 18.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.043 min
Delta R.T.: -0.010 min
Response: 1927886
Conc: 18.54 ug/ml



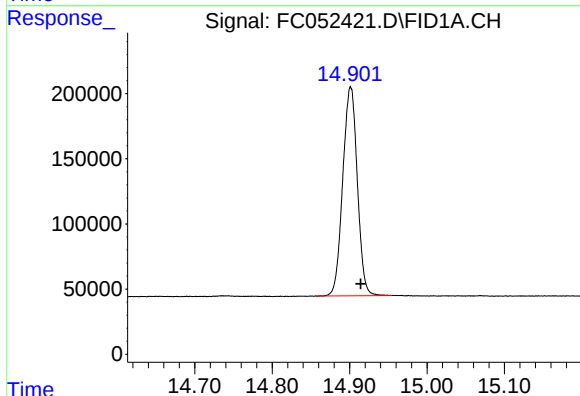
#13 n-Docosane (C22)

R.T.: 13.798 min
Delta R.T.: -0.011 min
Response: 2209823
Conc: 18.37 ug/ml

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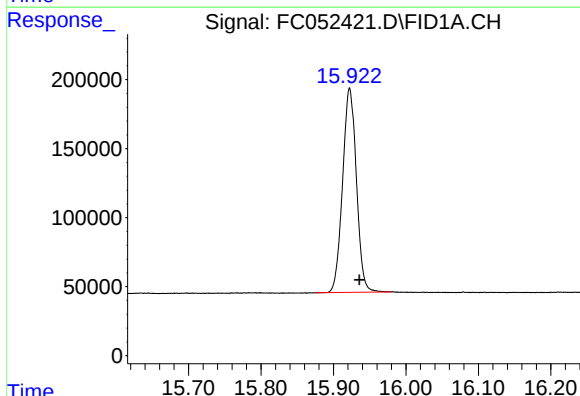
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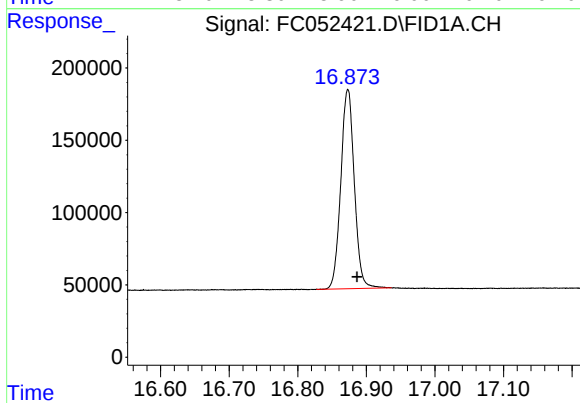
#14 n-Tetracosane (C24)

R.T.: 14.901 min
Delta R.T.: -0.013 min
Response: 2095530
Conc: 17.97 ug/ml



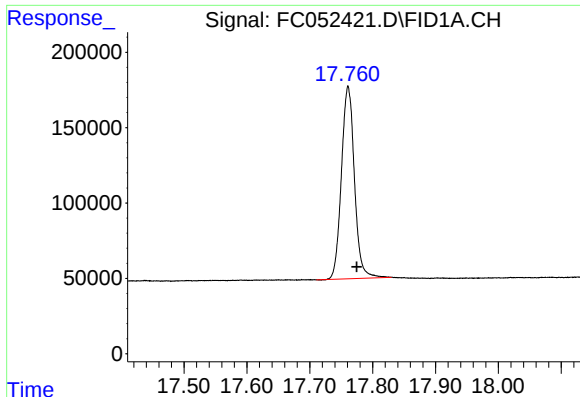
#15 n-Hexacosane (C26)

R.T.: 15.922 min
Delta R.T.: -0.014 min
Response: 1961648
Conc: 17.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.873 min
Delta R.T.: -0.013 min
Response: 1888771
Conc: 18.43 ug/ml



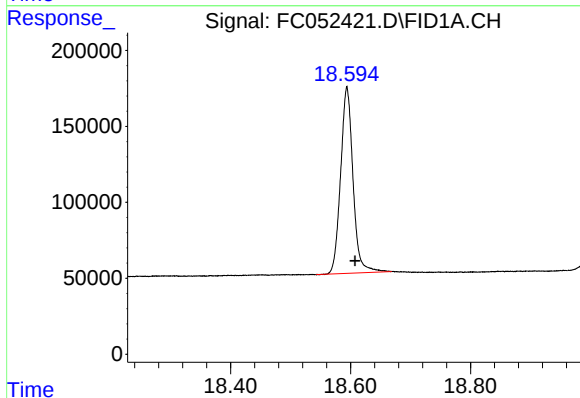
#17 n-Tricontane (C30)

R.T.: 17.761 min
Delta R.T.: -0.014 min
Response: 1834853
Conc: 19.49 ug/ml

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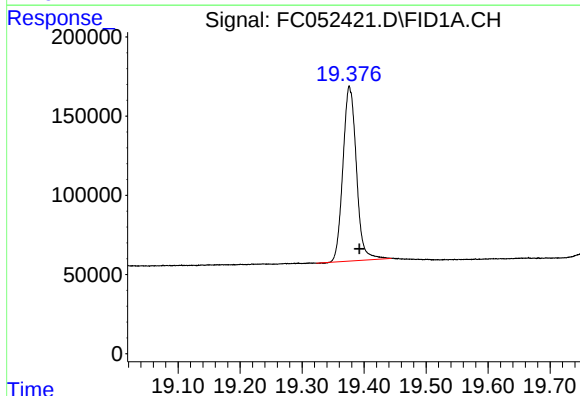
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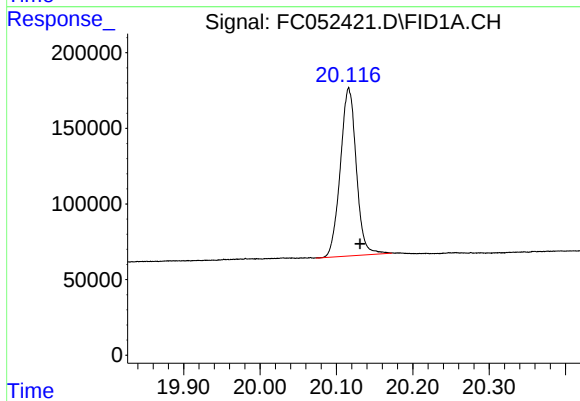
#18 n-Dotriacontane (C32)

R.T.: 18.594 min
Delta R.T.: -0.014 min
Response: 1757314
Conc: 20.58 ug/ml



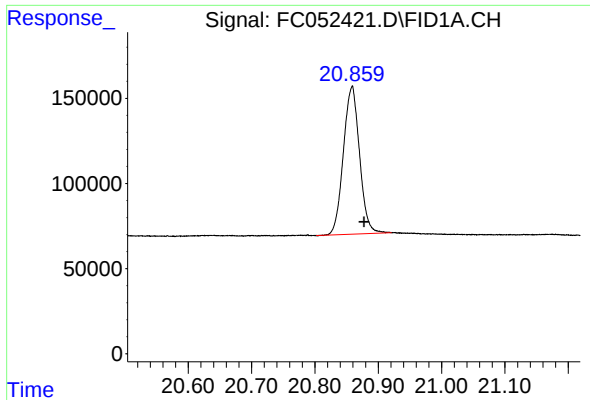
#19 n-Tetratriacontane (C34)

R.T.: 19.376 min
Delta R.T.: -0.016 min
Response: 1661372
Conc: 21.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.116 min
Delta R.T.: -0.015 min
Response: 1617836
Conc: 22.51 ug/ml m



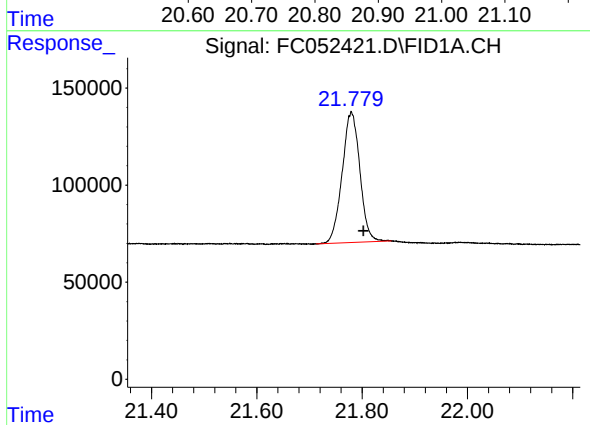
#21 n-Octatriacontane (C38)

R.T.: 20.859 min
Delta R.T.: -0.018 min
Response: 1538079
Conc: 22.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.780 min
Delta R.T.: -0.023 min
Response: 1570029
Conc: 21.83 ug/ml