

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042321AL\
 Data File : FC053371.D
 Signal(s) : FID1A.CH
 Acq On : 24 Apr 2021 10:48
 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 10:40:27 AM

Integration File: sample.E
 Quant Time: Apr 25 23:04:12 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)	11.556	2757916	19.928 ug/ml
Spiked Amount 50.000		Recovery =	39.86%
12) S 1-chlorooctadecane (S...	12.997	2112779	19.521 ug/ml
Spiked Amount 50.000		Recovery =	39.04%
Target Compounds			
1) T n-Nonane (C9)	3.305	2642110	22.774 ug/ml
2) T n-Decane (C10)	4.371	2675124	22.858 ug/ml
3) T A~Naphthalene (C11.7)	5.959	2955304	22.717 ug/ml
4) T n-Dodecane (C12)	6.392	2754304	23.080 ug/ml
5) T A~2-methylnaphthalene...	7.018	3002640	22.717 ug/ml
6) T n-Tetradecane (C14)	8.192	2746175	22.564 ug/ml
7) T n-Hexadecane (C16)	9.795	2658879	22.097 ug/ml
8) T n-Octadecane (C18)	11.240	2683739	21.180 ug/ml
10) T n-Eicosane (C20)	12.552	2593888	20.227 ug/ml
11) T n-Heneicosane (C21)	13.165	2530481	19.703 ug/ml
13) T n-Docosane (C22)	13.752	2462857	19.110 ug/ml
14) T n-Tetracosane (C24)	14.857	2335551	18.083 ug/ml
15) T n-Hexacosane (C26)	15.879	2228699	17.342 ug/ml
16) T n-Octacosane (C28)	16.830	2195582	16.953 ug/ml
17) T n-Tricontane (C30)	17.719	2195581	16.305 ug/mlm
18) T n-Dotriacontane (C32)	18.551	2193221	15.992 ug/mlm
19) T n-Tetratriacontane (C34)	19.336	2153331	16.501 ug/mlm
20) T n-Hexatriacontane (C36)	20.076	2085648	17.226 ug/mlm
21) T n-Octatriacontane (C38)	20.812	1969410	18.690 ug/mlm
22) T n-Tetracontane (C40)	21.719	2207818	21.086 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

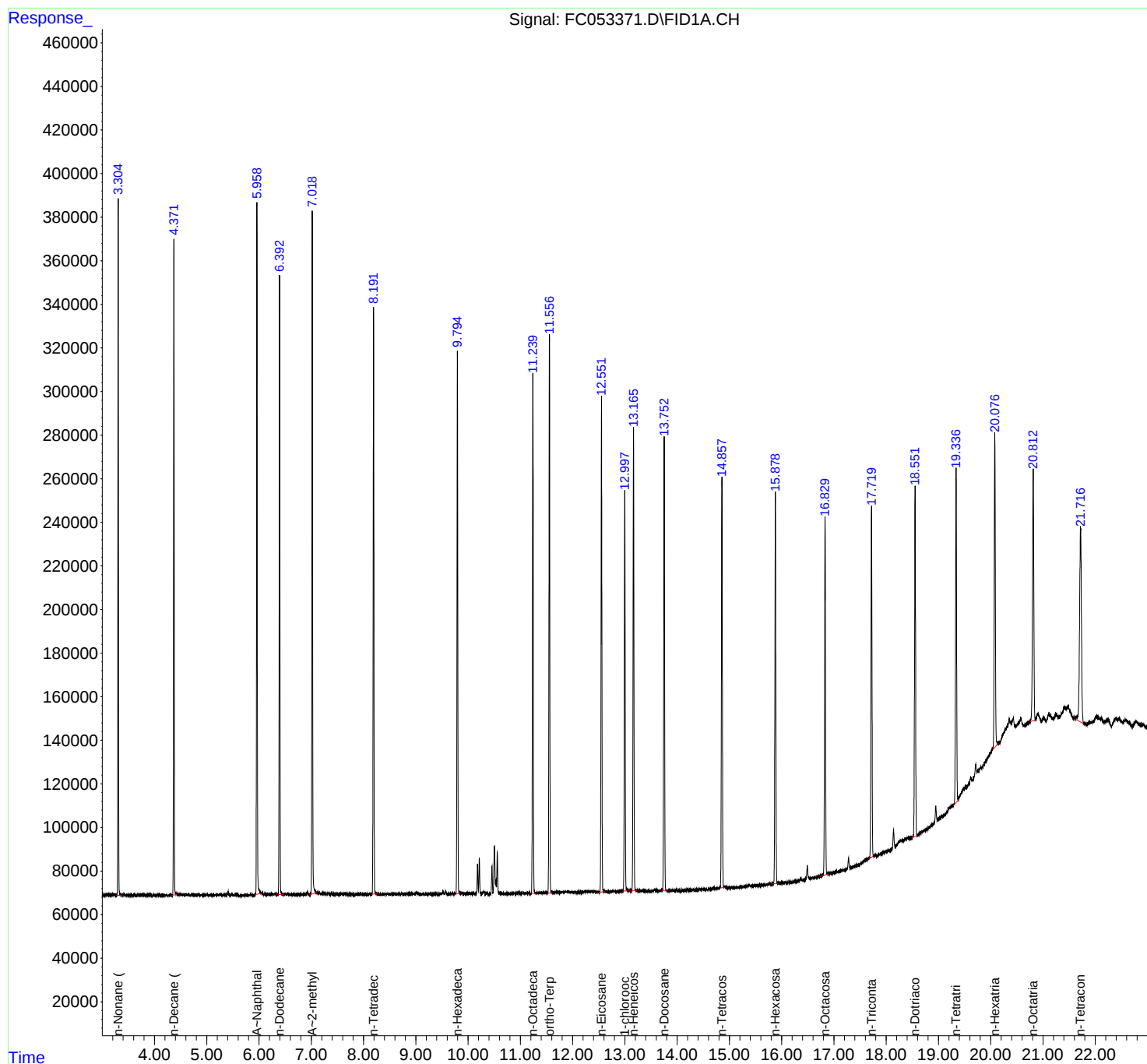
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

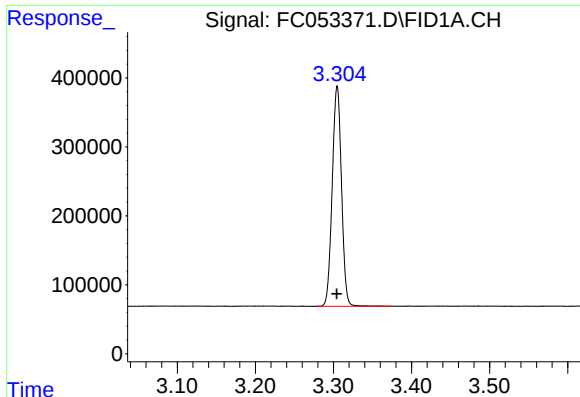
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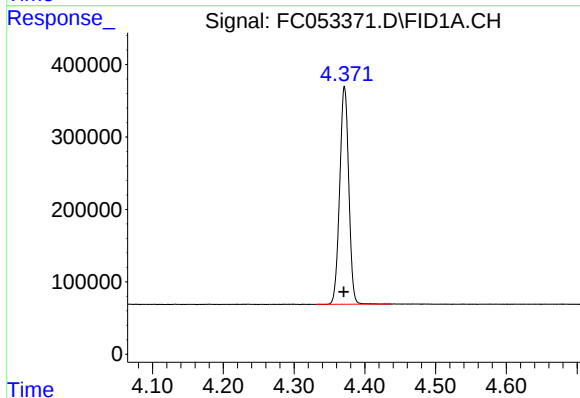
#1 n-Nonane (C9)

R.T.: 3.305 min
Delta R.T.: 0.000 min
Response: 2642110
Conc: 22.77 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

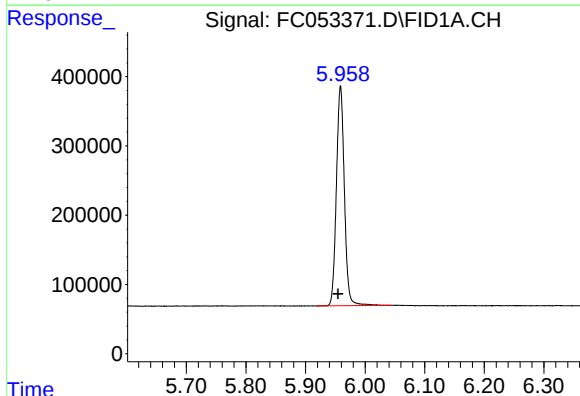
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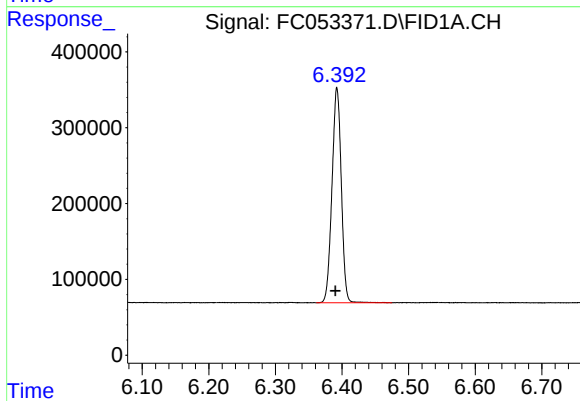
#2 n-Decane (C10)

R.T.: 4.371 min
Delta R.T.: 0.001 min
Response: 2675124
Conc: 22.86 ug/ml



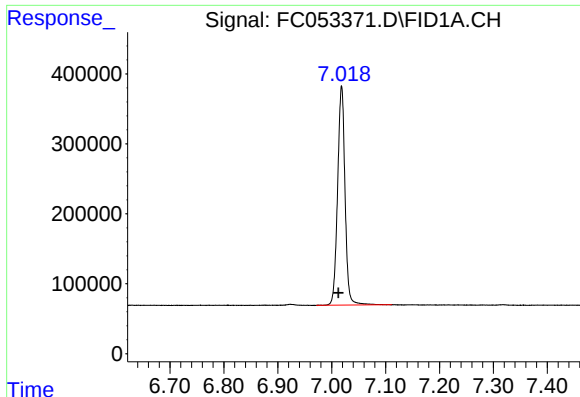
#3 A~Naphthalene (C11.7)

R.T.: 5.959 min
Delta R.T.: 0.004 min
Response: 2955304
Conc: 22.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.392 min
Delta R.T.: 0.002 min
Response: 2754304
Conc: 23.08 ug/ml



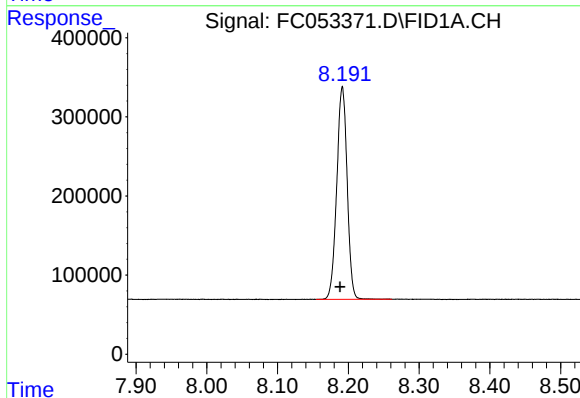
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.018 min
Delta R.T.: 0.005 min
Response: 3002640
Conc: 22.72 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

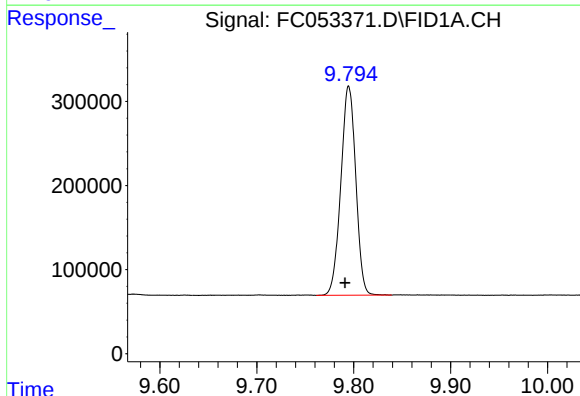
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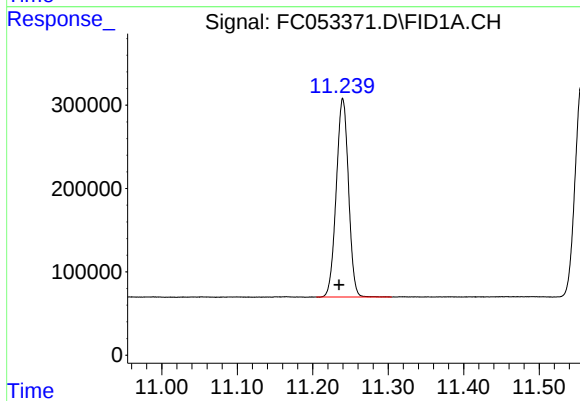
#6 n-Tetradecane (C14)

R.T.: 8.192 min
Delta R.T.: 0.003 min
Response: 2746175
Conc: 22.56 ug/ml



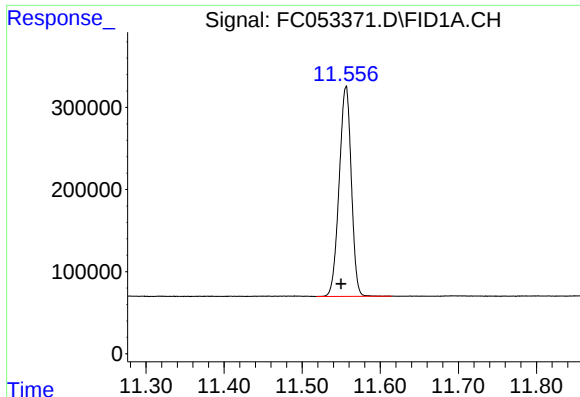
#7 n-Hexadecane (C16)

R.T.: 9.795 min
Delta R.T.: 0.004 min
Response: 2658879
Conc: 22.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.240 min
Delta R.T.: 0.005 min
Response: 2683739
Conc: 21.18 ug/ml



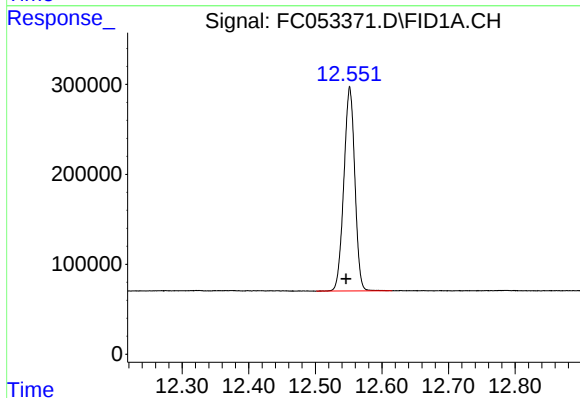
#9 ortho-Terphenyl (SURR)

R.T.: 11.556 min
Delta R.T.: 0.006 min
Response: 2757916
Conc: 19.93 ug/ml

Instrument :
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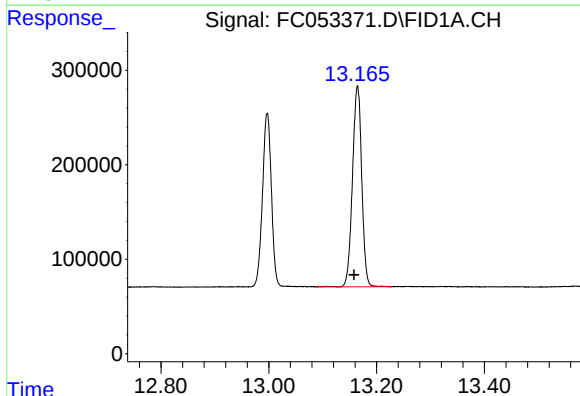
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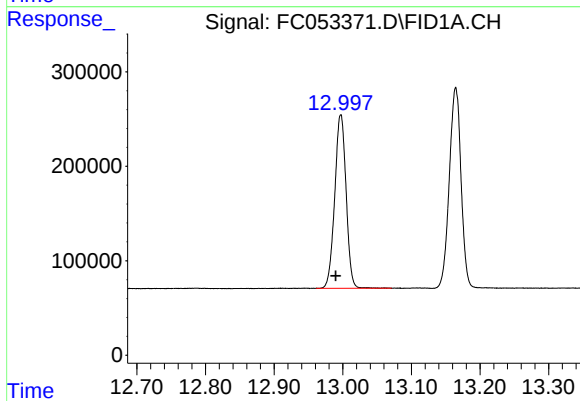
#10 n-Eicosane (C20)

R.T.: 12.552 min
Delta R.T.: 0.005 min
Response: 2593888
Conc: 20.23 ug/ml



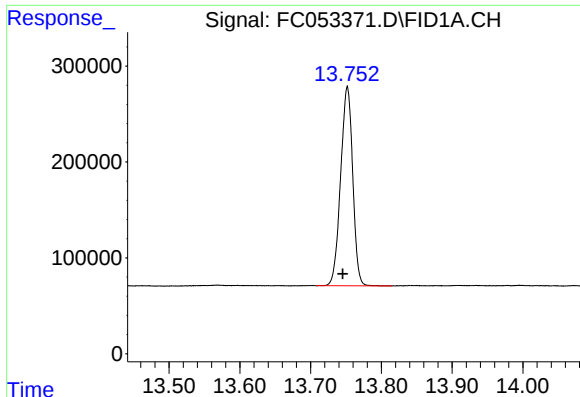
#11 n-Heneicosane (C21)

R.T.: 13.165 min
Delta R.T.: 0.006 min
Response: 2530481
Conc: 19.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.997 min
Delta R.T.: 0.007 min
Response: 2112779
Conc: 19.52 ug/ml



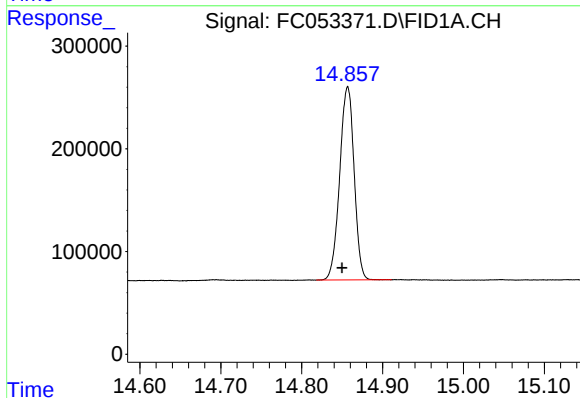
#13 n-Docosane (C22)

R.T.: 13.752 min
Delta R.T.: 0.006 min
Response: 2462857
Conc: 19.11 ug/ml

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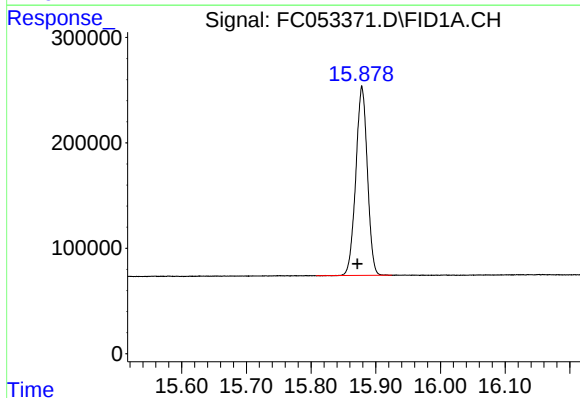
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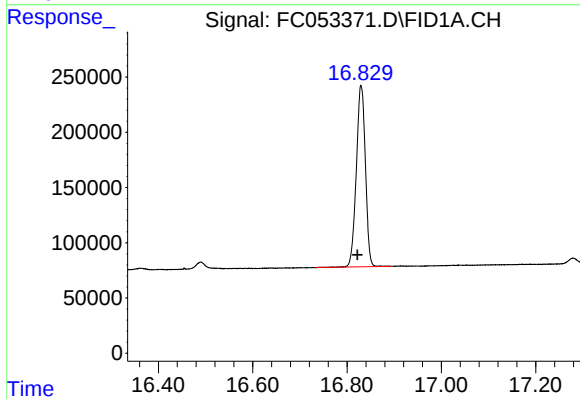
#14 n-Tetracosane (C24)

R.T.: 14.857 min
Delta R.T.: 0.007 min
Response: 2335551
Conc: 18.08 ug/ml



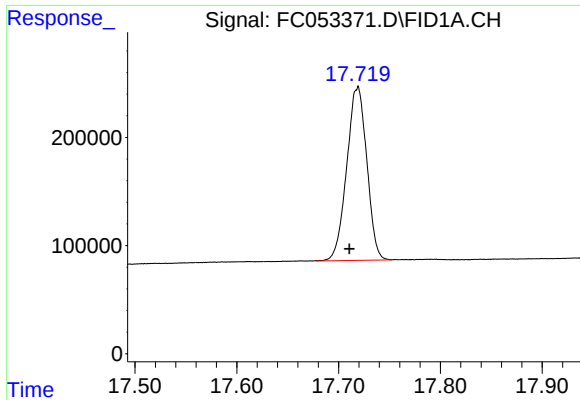
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: 0.007 min
Response: 2228699
Conc: 17.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: 0.008 min
Response: 2195582
Conc: 16.95 ug/ml



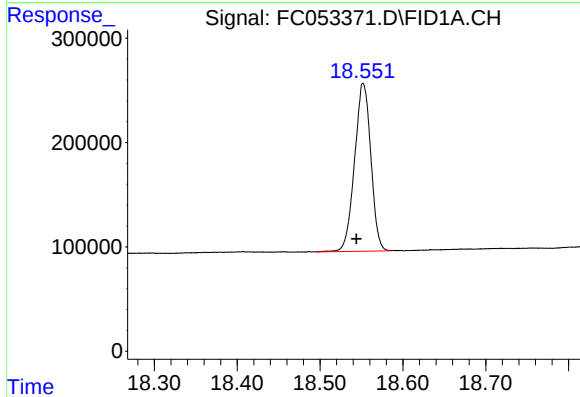
#17 n-Tricontane (C30)

R.T.: 17.719 min
Delta R.T.: 0.008 min
Response: 2195581
Conc: 16.30 ug/ml m

Instrument :
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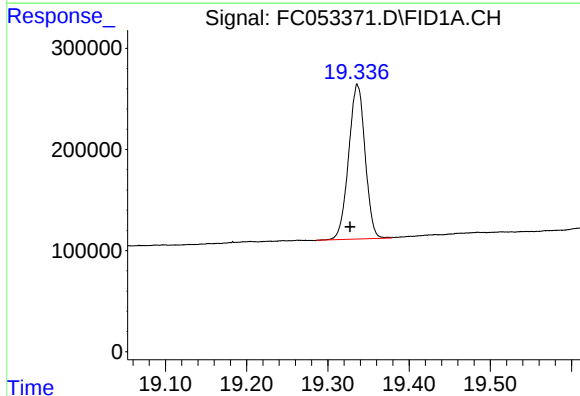
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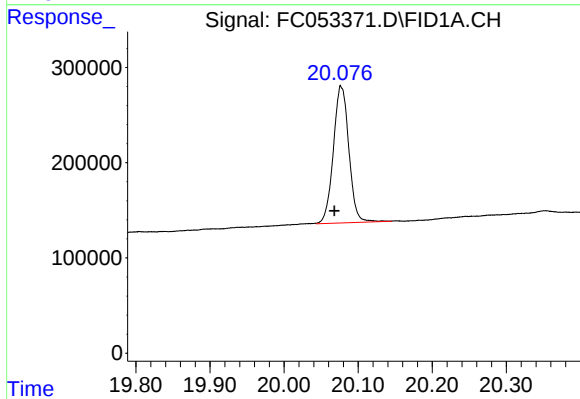
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: 0.008 min
Response: 2193221
Conc: 15.99 ug/ml m



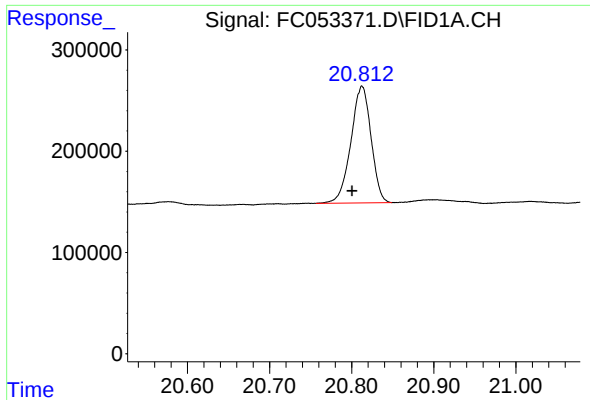
#19 n-Tetratriacontane (C34)

R.T.: 19.336 min
Delta R.T.: 0.008 min
Response: 2153331
Conc: 16.50 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.076 min
Delta R.T.: 0.008 min
Response: 2085648
Conc: 17.23 ug/ml m



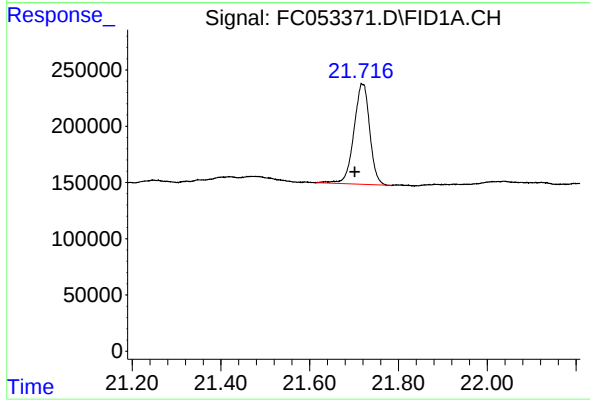
#21 n-Octatriacontane (C38)

R.T.: 20.812 min
Delta R.T.: 0.012 min
Response: 1969410
Conc: 18.69 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.719 min
Delta R.T.: 0.018 min
Response: 2207818
Conc: 21.09 ug/ml