

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC073020AL\
 Data File : FC048786.D
 Signal(s) : FID1A.CH
 Acq On : 31 Jul 2020 8:17
 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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 7/31/2020 1:11:43 PM

Integration File: autoint1.e
 Quant Time: Jul 31 08:50:47 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 070820.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 08 03:03:00 2020
 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)	11.679	2689459	19.595 ug/ml
Spiked Amount 50.000		Recovery =	39.19%
12) S 1-chlorooctadecane (S...	13.113	2164284	19.206 ug/ml
Spiked Amount 50.000		Recovery =	38.41%
Target Compounds			
1) T n-Nonane (C9)	3.412	2623497	22.008 ug/ml
2) T n-Decane (C10)	4.486	2679914	22.264 ug/ml
3) T A~Naphthalene (C11.7)	6.083	2943396	21.872 ug/ml
4) T n-Dodecane (C12)	6.512	2713967	22.183 ug/ml
5) T A~2-methylnaphthalene...	7.143	2983098	21.643 ug/ml
6) T n-Tetradecane (C14)	8.311	2716567	22.052 ug/ml
7) T n-Hexadecane (C16)	9.914	2601132	21.249 ug/ml
8) T n-Octadecane (C18)	11.358	2634976	20.589 ug/ml
10) T n-Eicosane (C20)	12.667	2564686	19.830 ug/ml
11) T n-Heneicosane (C21)	13.280	2513162	19.388 ug/ml
13) T n-Docosane (C22)	13.866	2475834	19.069 ug/ml
14) T n-Tetracosane (C24)	14.968	2405611	18.351 ug/ml
15) T n-Hexacosane (C26)	15.989	2319512	17.838 ug/ml
16) T n-Octacosane (C28)	16.937	2299760	17.600 ug/ml
17) T n-Tricontane (C30)	17.821	2265439	17.622 ug/ml
18) T n-Dotriacontane (C32)	18.656	2115415	17.906 ug/ml
19) T n-Tetratriacontane (C34)	19.435	1979240	17.732 ug/ml
20) T n-Hexatriacontane (C36)	20.172	1897123	18.038 ug/mlm
21) T n-Octatriacontane (C38)	20.929	1828302	18.624 ug/ml
22) T n-Tetracontane (C40)	21.881	1852704	19.065 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

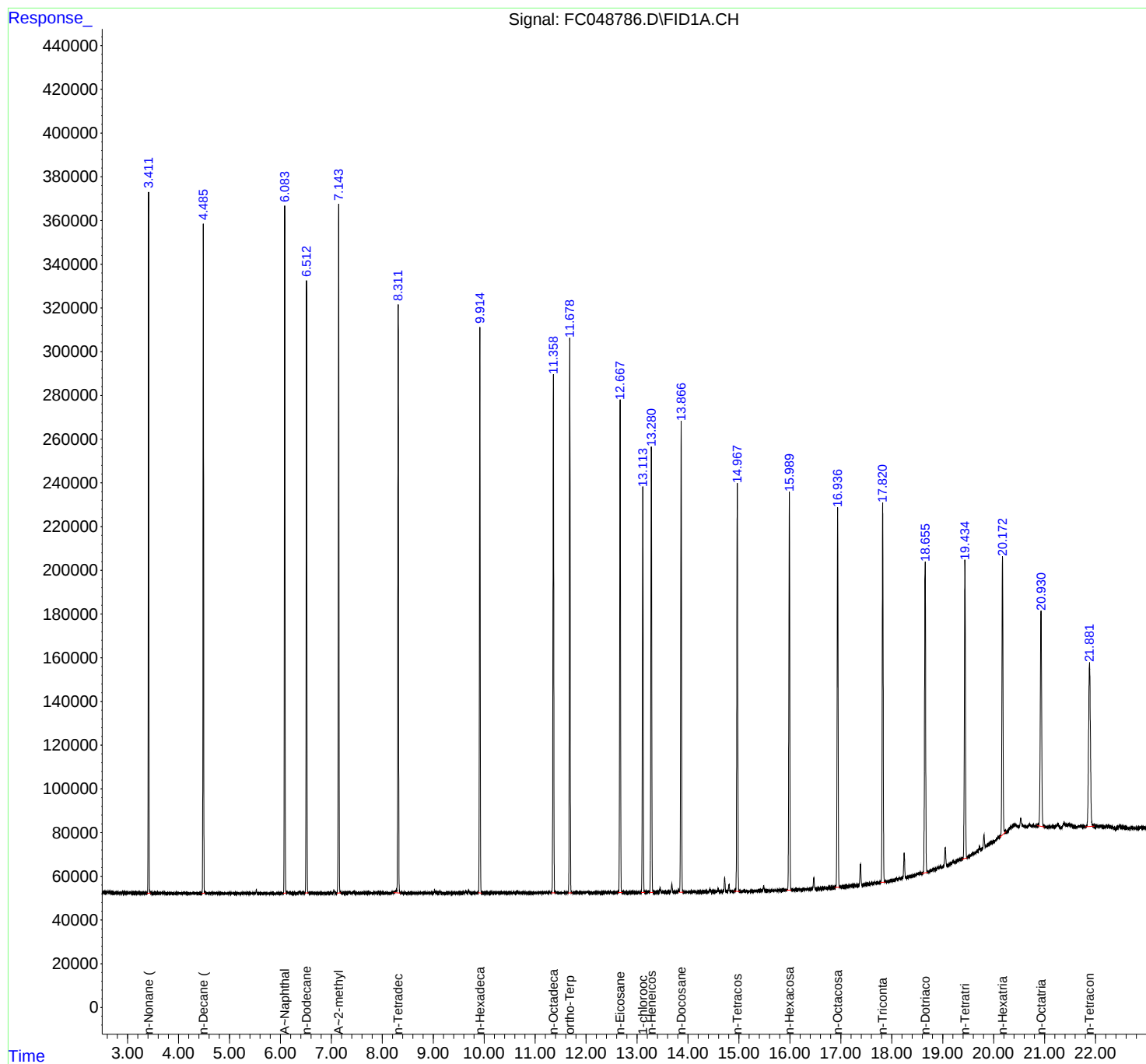
Instrument :
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20 PPM ALIPHATIC HC STD

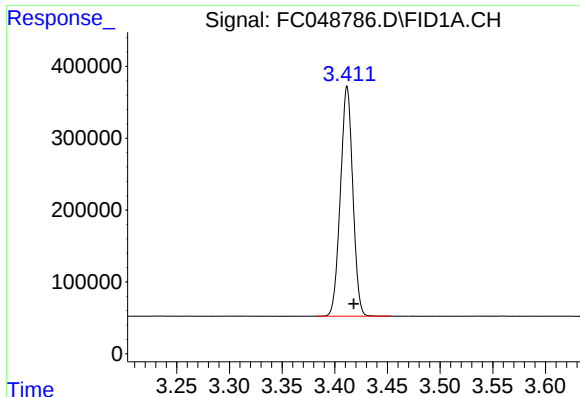
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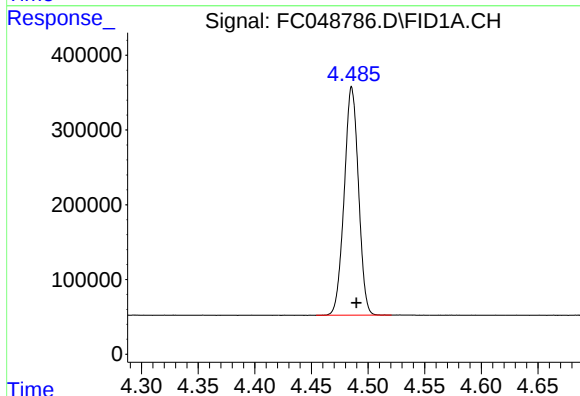
#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.006 min
Response: 2623497
Conc: 22.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

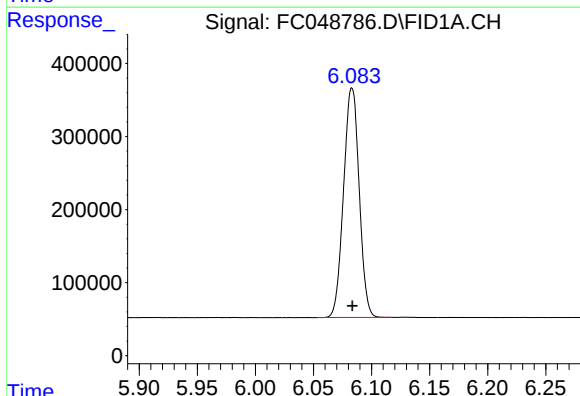
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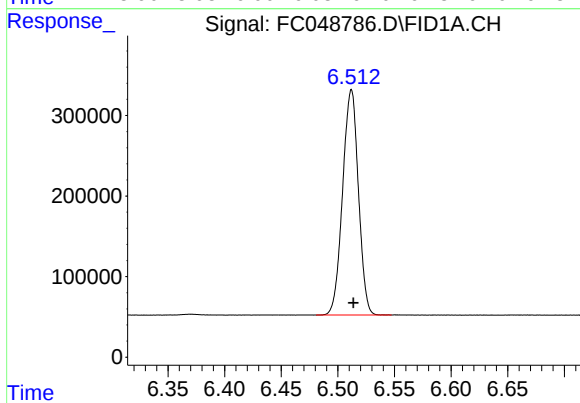
#2 n-Decane (C10)

R.T.: 4.486 min
Delta R.T.: -0.004 min
Response: 2679914
Conc: 22.26 ug/ml



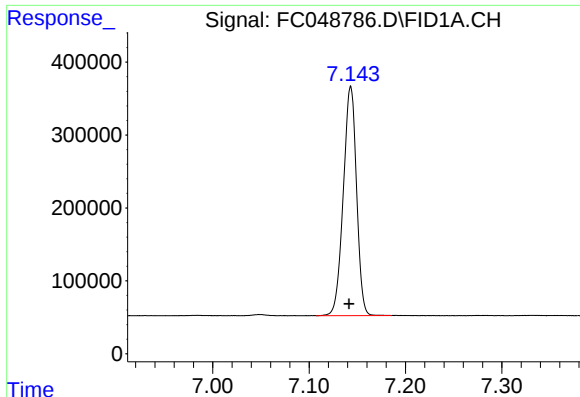
#3 A~Naphthalene (C11.7)

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 2943396
Conc: 21.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.512 min
Delta R.T.: -0.002 min
Response: 2713967
Conc: 22.18 ug/ml



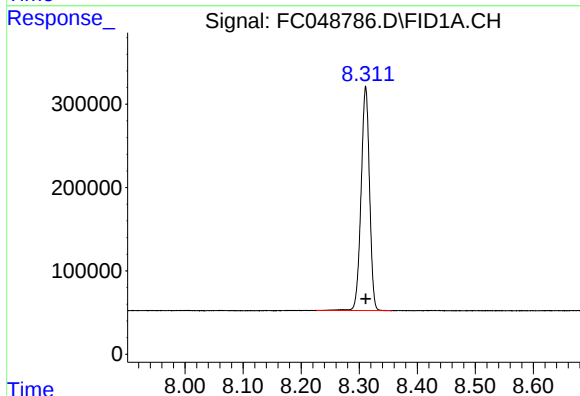
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.143 min
Delta R.T.: 0.002 min
Response: 2983098
Conc: 21.64 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

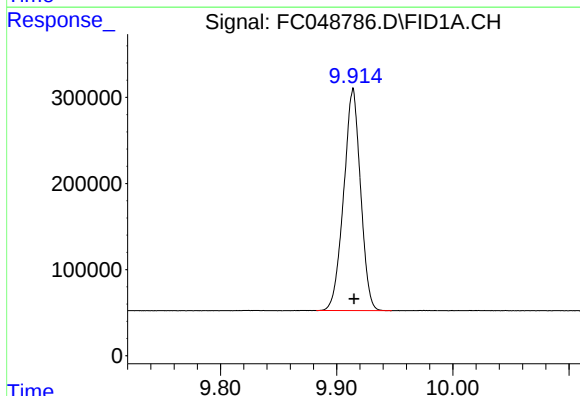
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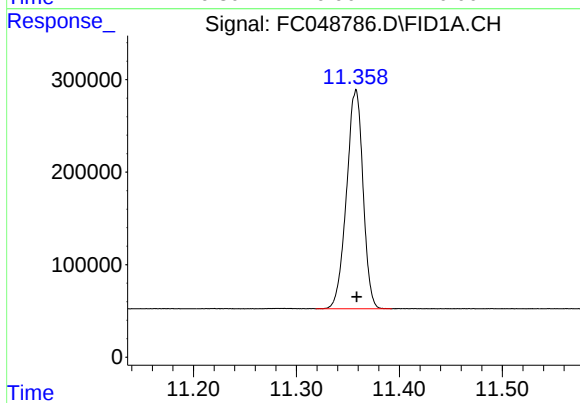
#6 n-Tetradecane (C14)

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 2716567
Conc: 22.05 ug/ml



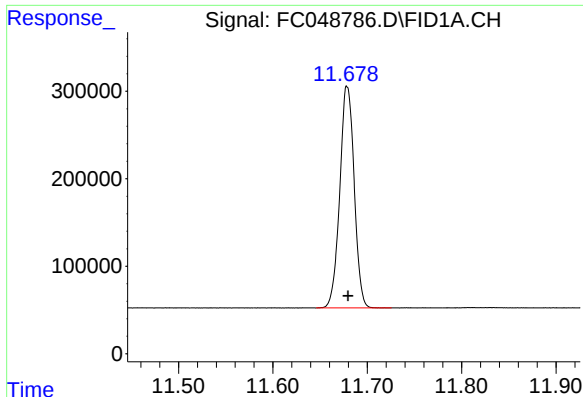
#7 n-Hexadecane (C16)

R.T.: 9.914 min
Delta R.T.: -0.001 min
Response: 2601132
Conc: 21.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.358 min
Delta R.T.: 0.000 min
Response: 2634976
Conc: 20.59 ug/ml



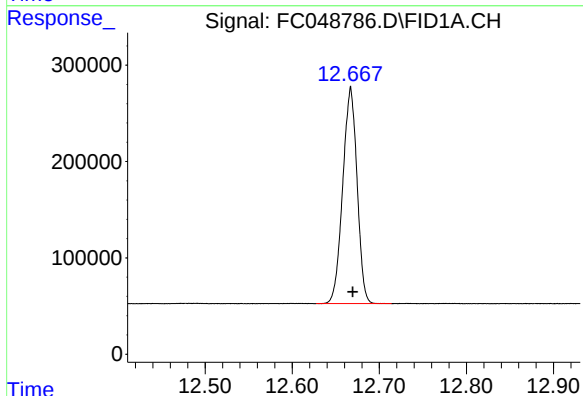
#9 ortho-Terphenyl (SURR)

R.T.: 11.679 min
Delta R.T.: 0.000 min
Response: 2689459
Conc: 19.60 ug/ml

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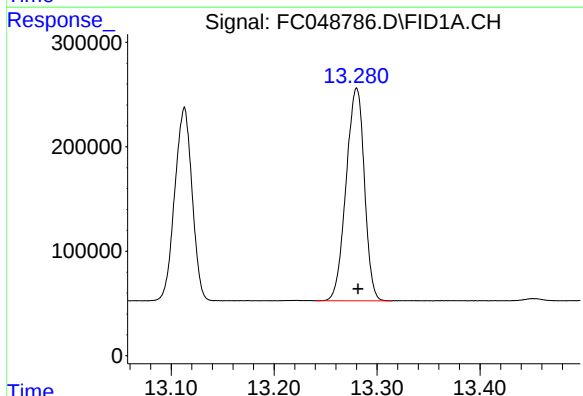
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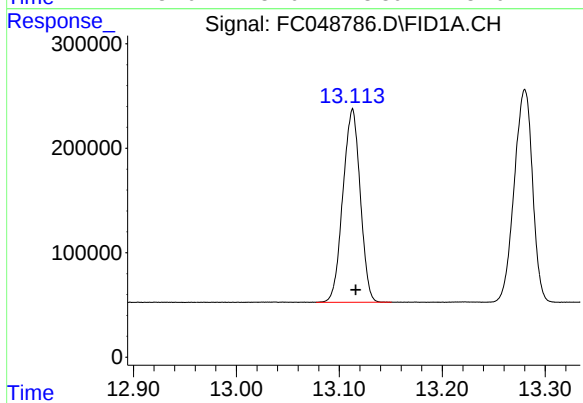
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.002 min
Response: 2564686
Conc: 19.83 ug/ml



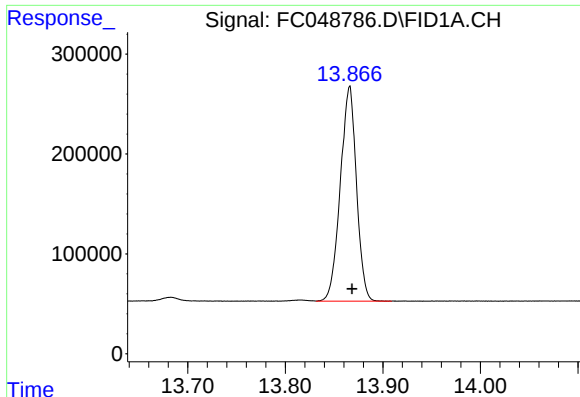
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.001 min
Response: 2513162
Conc: 19.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.003 min
Response: 2164284
Conc: 19.21 ug/ml



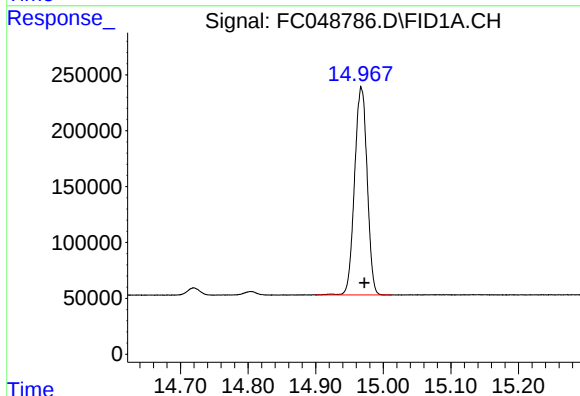
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.002 min
Response: 2475834
Conc: 19.07 ug/ml

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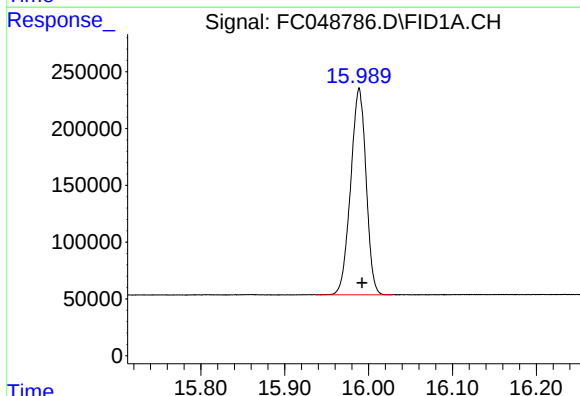
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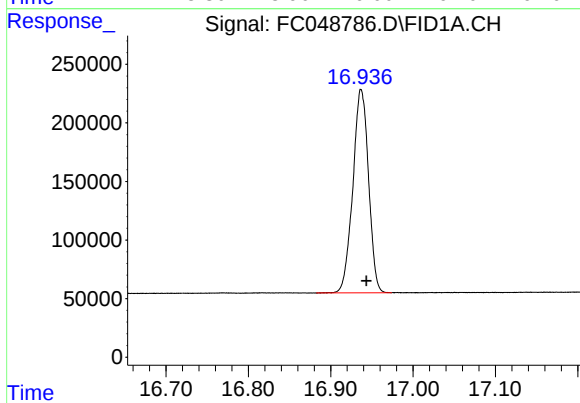
#14 n-Tetracosane (C24)

R.T.: 14.968 min
Delta R.T.: -0.004 min
Response: 2405611
Conc: 18.35 ug/ml



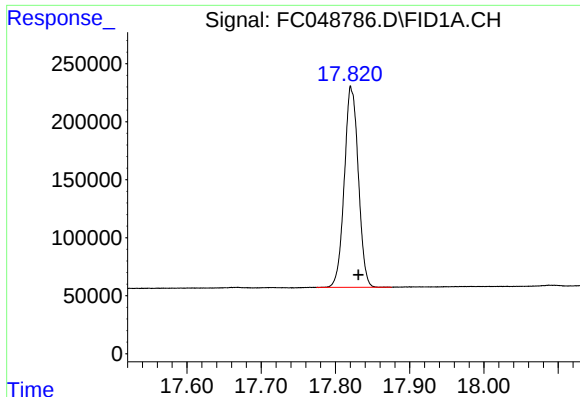
#15 n-Hexacosane (C26)

R.T.: 15.989 min
Delta R.T.: -0.004 min
Response: 2319512
Conc: 17.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.937 min
Delta R.T.: -0.006 min
Response: 2299760
Conc: 17.60 ug/ml



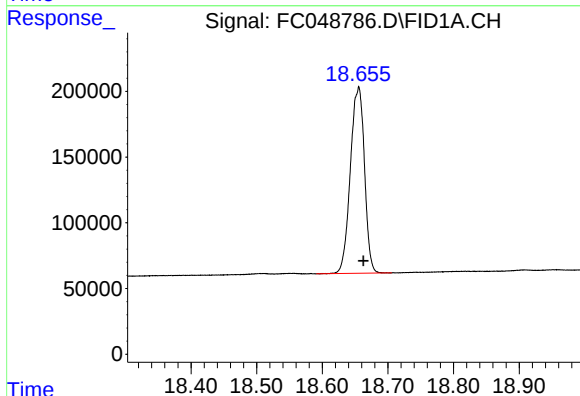
#17 n-Tricontane (C30)

R.T.: 17.821 min
Delta R.T.: -0.010 min
Response: 2265439
Conc: 17.62 ug/ml

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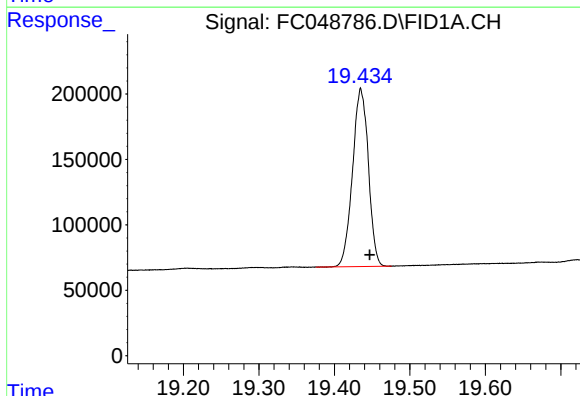
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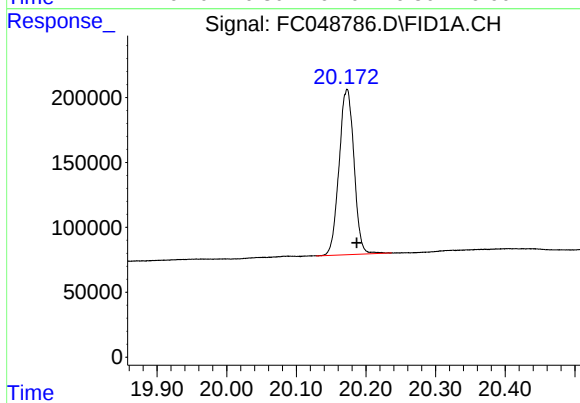
#18 n-Dotriacontane (C32)

R.T.: 18.656 min
Delta R.T.: -0.007 min
Response: 2115415
Conc: 17.91 ug/ml



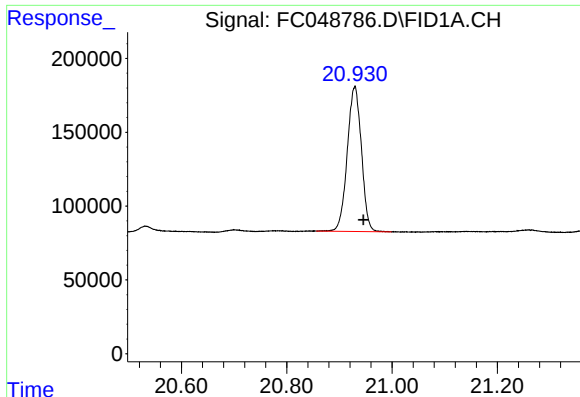
#19 n-Tetratriacontane (C34)

R.T.: 19.435 min
Delta R.T.: -0.012 min
Response: 1979240
Conc: 17.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.172 min
Delta R.T.: -0.015 min
Response: 1897123
Conc: 18.04 ug/ml m



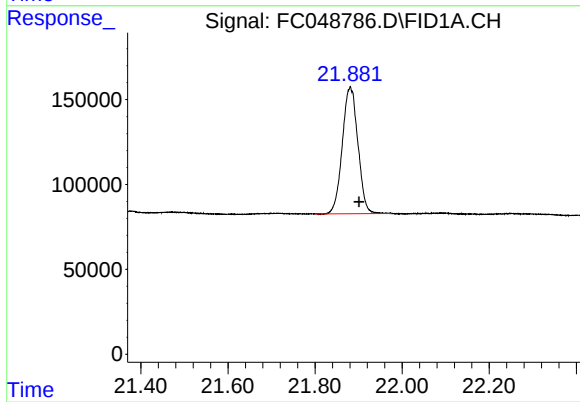
#21 n-Octatriacontane (C38)

R.T.: 20.929 min
Delta R.T.: -0.016 min
Response: 1828302
Conc: 18.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.881 min
Delta R.T.: -0.021 min
Response: 1852704
Conc: 19.07 ug/ml