

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC073020AL\
 Data File : FC048779.D
 Signal(s) : FID1A.CH
 Acq On : 31 Jul 2020 4:02
 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 1:11:41 PM

Integration File: autoint1.e
 Quant Time: Jul 31 04:43:09 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)	11.681	2636511	19.210 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
12) S 1-chlorooctadecane (S...	13.115	2122269	18.833 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
Target Compounds			
1) T n-Nonane (C9)	3.412	2576018	21.610 ug/ml
2) T n-Decane (C10)	4.487	2627246	21.827 ug/ml
3) T A~Naphthalene (C11.7)	6.084	2890456	21.479 ug/ml
4) T n-Dodecane (C12)	6.513	2664908	21.782 ug/ml
5) T A~2-methylnaphthalene...	7.145	2929314	21.253 ug/ml
6) T n-Tetradecane (C14)	8.312	2630890	21.357 ug/ml
7) T n-Hexadecane (C16)	9.915	2552155	20.849 ug/ml
8) T n-Octadecane (C18)	11.359	2582393	20.178 ug/ml
10) T n-Eicosane (C20)	12.669	2514302	19.440 ug/ml
11) T n-Heneicosane (C21)	13.281	2464235	19.010 ug/ml
13) T n-Docosane (C22)	13.867	2424930	18.677 ug/ml
14) T n-Tetracosane (C24)	14.969	2336413	17.824 ug/ml
15) T n-Hexacosane (C26)	15.990	2263427	17.407 ug/ml
16) T n-Octacosane (C28)	16.938	2245291	17.183 ug/ml
17) T n-Tricontane (C30)	17.823	2209467	17.187 ug/ml
18) T n-Dotriacontane (C32)	18.653	2051782	17.367 ug/mlm
19) T n-Tetratriacontane (C34)	19.437	1929861	17.289 ug/mlm
20) T n-Hexatriacontane (C36)	20.177	1908411	18.145 ug/mlm
21) T n-Octatriacontane (C38)	20.931	1958993	19.955 ug/ml
22) T n-Tetracontane (C40)	21.885	1794759	18.469 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 2 Sample Multiplier: 1

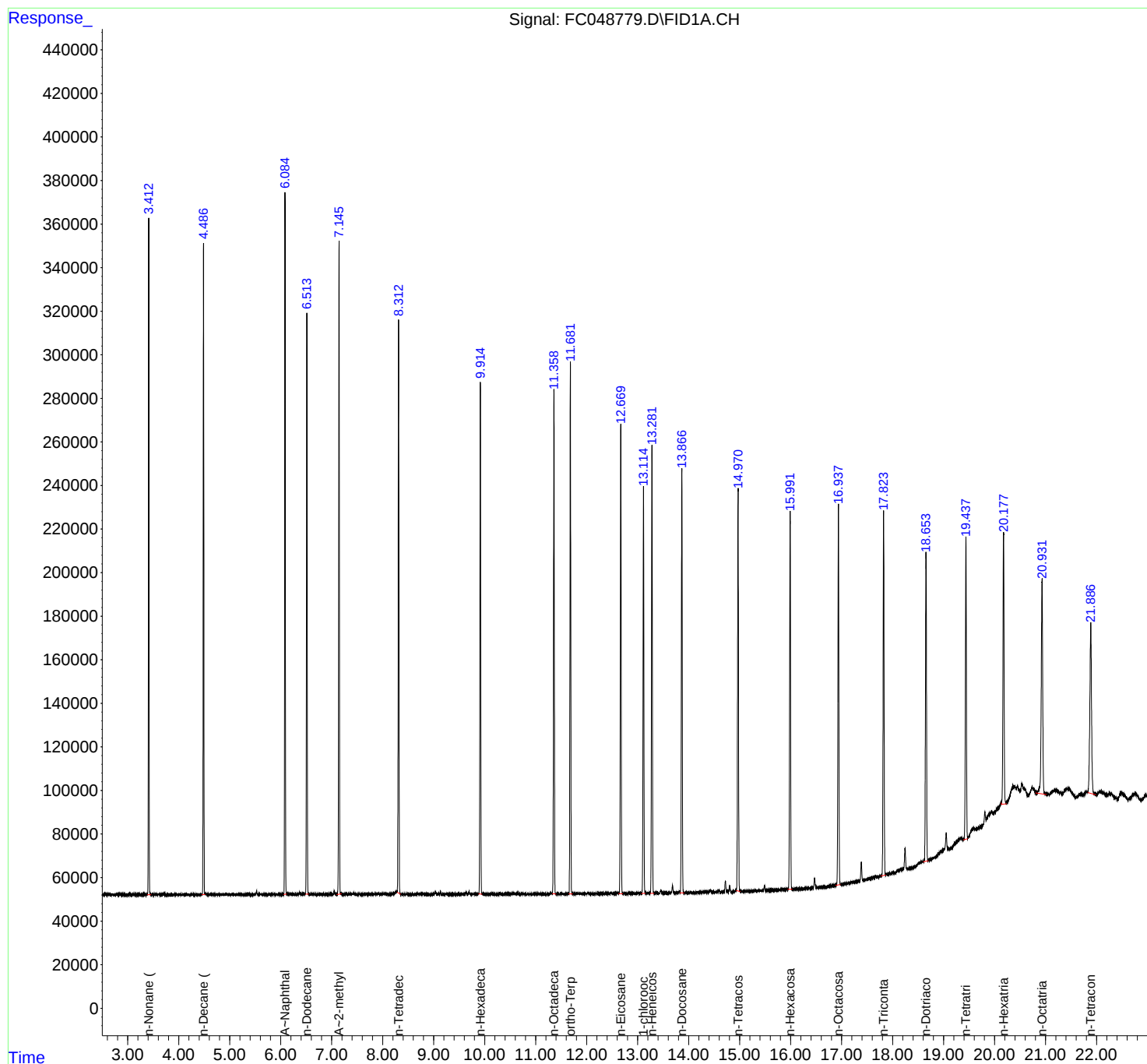
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

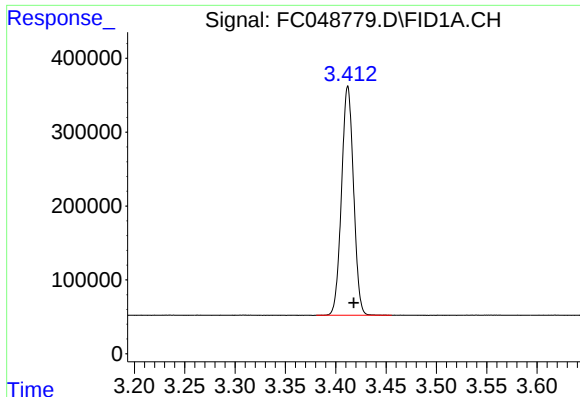
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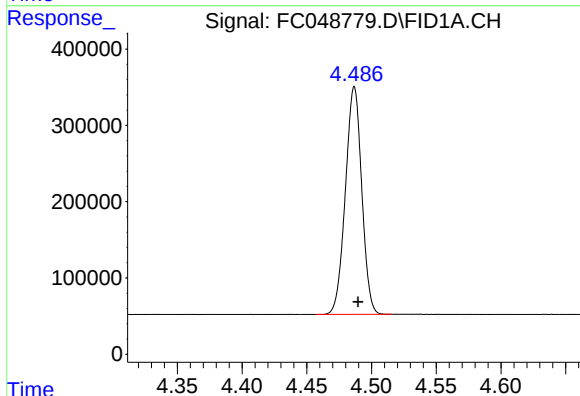
#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.006 min
Response: 2576018
Conc: 21.61 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

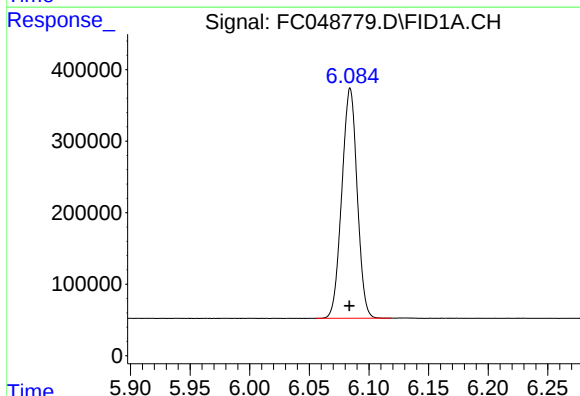
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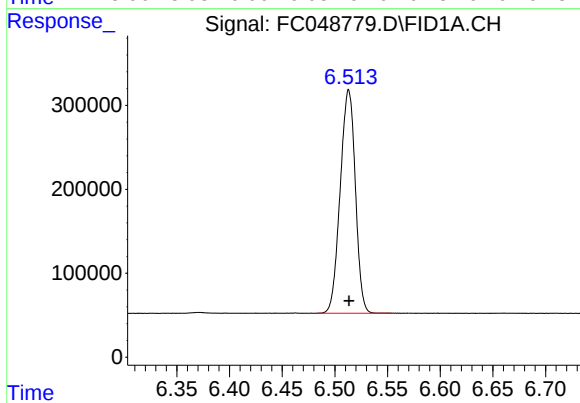
#2 n-Decane (C10)

R.T.: 4.487 min
Delta R.T.: -0.003 min
Response: 2627246
Conc: 21.83 ug/ml



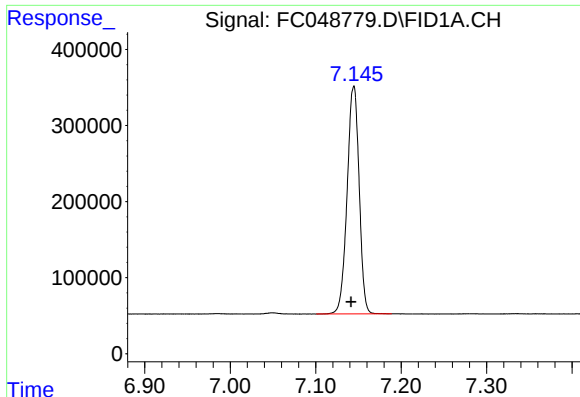
#3 A~Naphthalene (C11.7)

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 2890456
Conc: 21.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.513 min
Delta R.T.: 0.000 min
Response: 2664908
Conc: 21.78 ug/ml



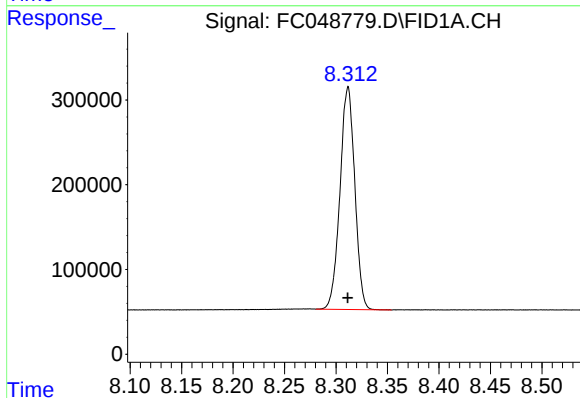
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.145 min
Delta R.T.: 0.003 min
Response: 2929314
Conc: 21.25 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

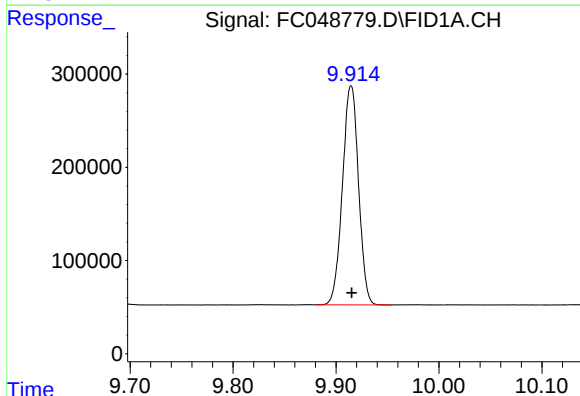
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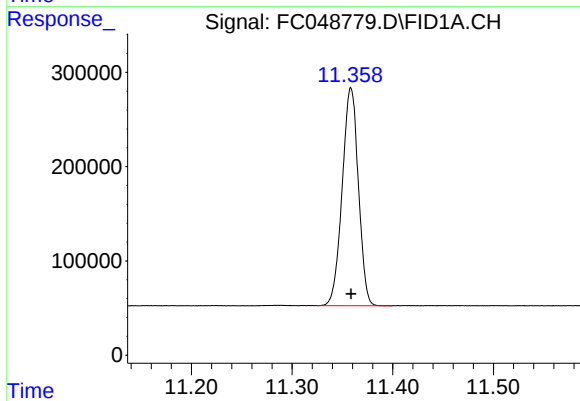
#6 n-Tetradecane (C14)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 2630890
Conc: 21.36 ug/ml



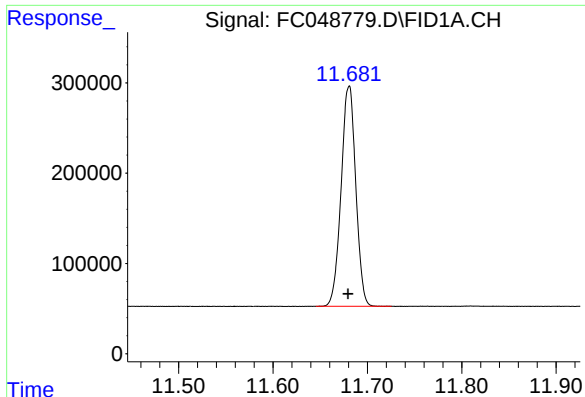
#7 n-Hexadecane (C16)

R.T.: 9.915 min
Delta R.T.: 0.000 min
Response: 2552155
Conc: 20.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.359 min
Delta R.T.: 0.000 min
Response: 2582393
Conc: 20.18 ug/ml



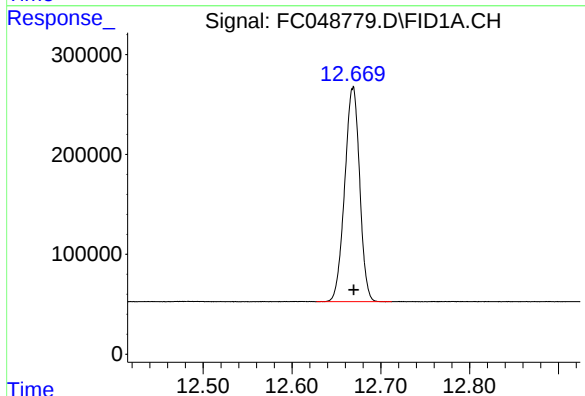
#9 ortho-Terphenyl (SURR)

R.T.: 11.681 min
Delta R.T.: 0.000 min
Response: 2636511
Conc: 19.21 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

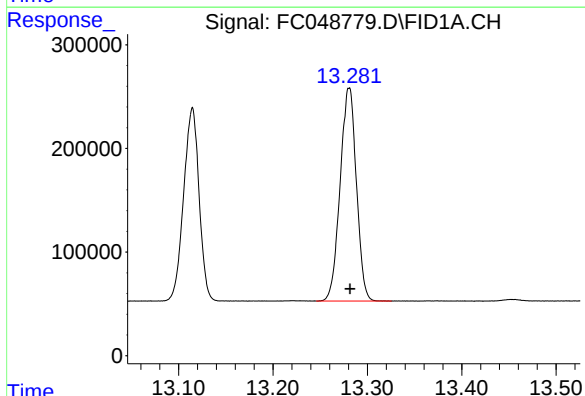
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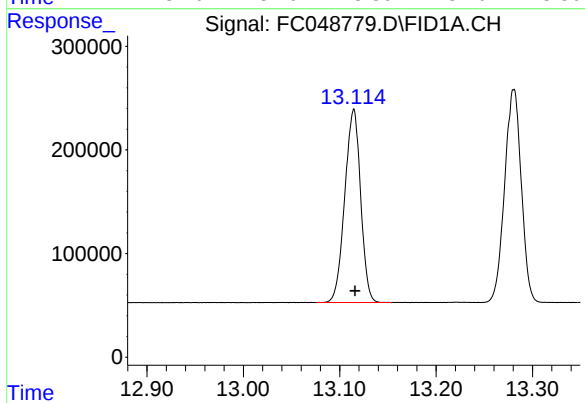
#10 n-Eicosane (C20)

R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 2514302
Conc: 19.44 ug/ml



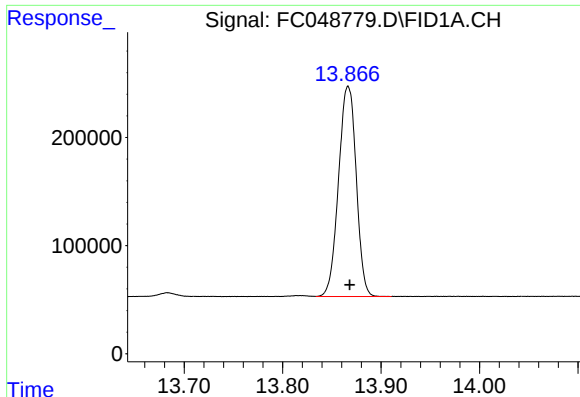
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 2464235
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.001 min
Response: 2122269
Conc: 18.83 ug/ml



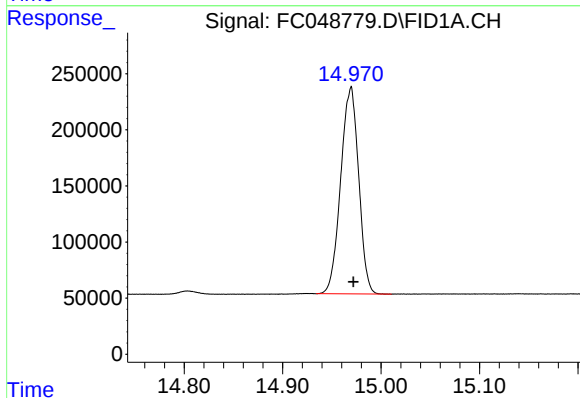
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.002 min
Response: 2424930
Conc: 18.68 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

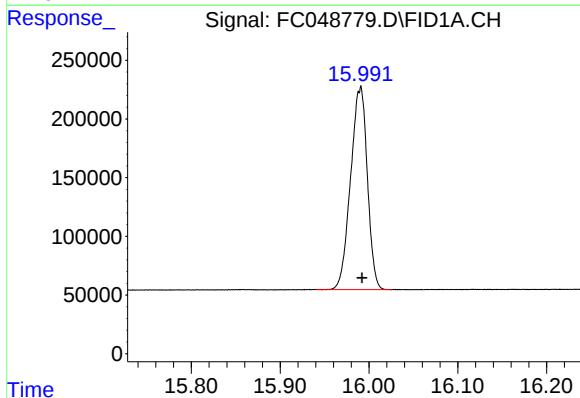
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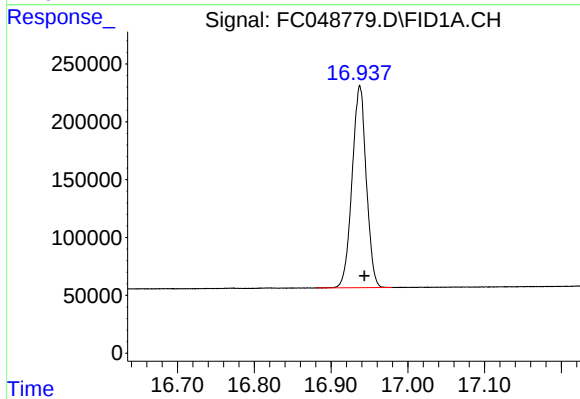
#14 n-Tetracosane (C24)

R.T.: 14.969 min
Delta R.T.: -0.002 min
Response: 2336413
Conc: 17.82 ug/ml



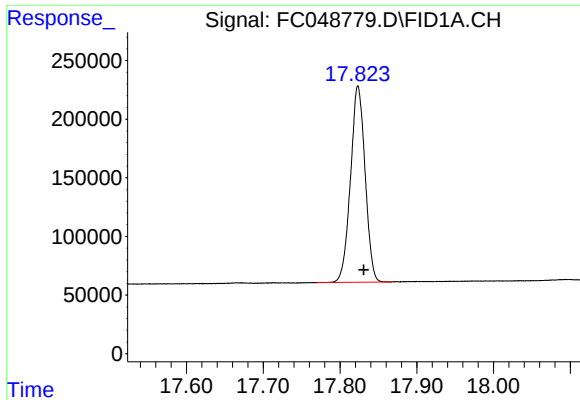
#15 n-Hexacosane (C26)

R.T.: 15.990 min
Delta R.T.: -0.002 min
Response: 2263427
Conc: 17.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.938 min
Delta R.T.: -0.006 min
Response: 2245291
Conc: 17.18 ug/ml



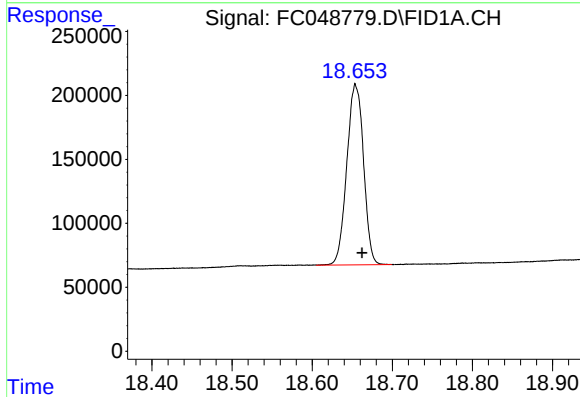
#17 n-Tricontane (C30)

R.T.: 17.823 min
Delta R.T.: -0.008 min
Response: 2209467
Conc: 17.19 ug/ml

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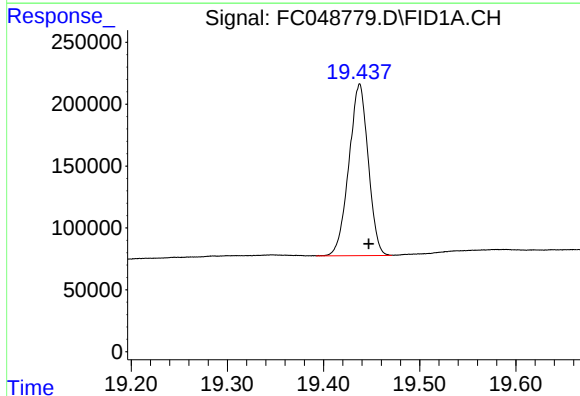
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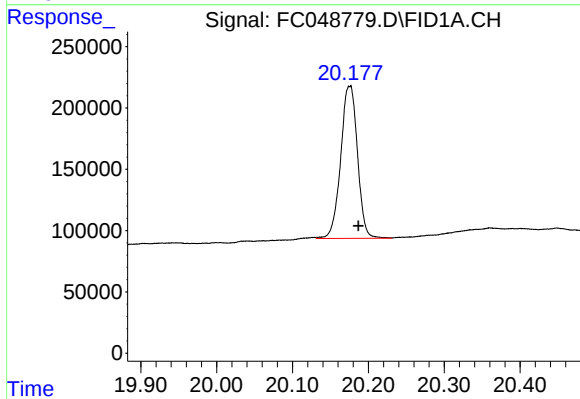
#18 n-Dotriacontane (C32)

R.T.: 18.653 min
Delta R.T.: -0.009 min
Response: 2051782
Conc: 17.37 ug/ml m



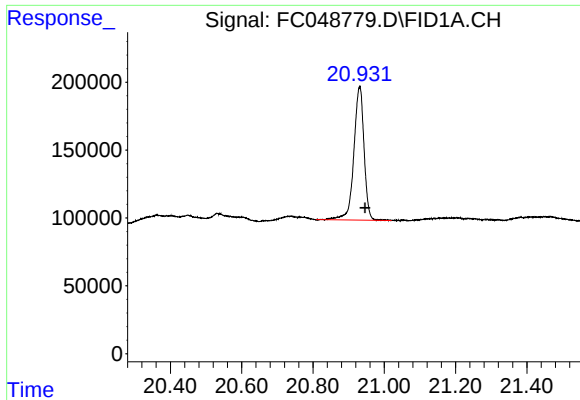
#19 n-Tetratriacontane (C34)

R.T.: 19.437 min
Delta R.T.: -0.009 min
Response: 1929861
Conc: 17.29 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.177 min
Delta R.T.: -0.010 min
Response: 1908411
Conc: 18.15 ug/ml m



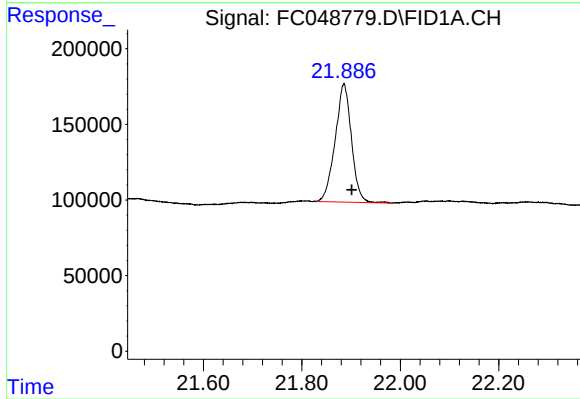
#21 n-Octatriacontane (C38)

R.T.: 20.931 min
Delta R.T.: -0.014 min
Response: 1958993
Conc: 19.96 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.885 min
Delta R.T.: -0.016 min
Response: 1794759
Conc: 18.47 ug/ml