

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052521AL\
 Data File : FC053936.D
 Signal(s) : FID1A.CH
 Acq On : 26 May 2021 3:29
 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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 5/26/2021 4:05:04 PM

Integration File: autoint1.e
 Quant Time: May 26 04:01:42 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 050321.M
 Quant Title : GC Extractables
 QLast Update : Tue May 04 11:44:19 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)	11.522	2411238	17.416 ug/ml
Spiked Amount 50.000		Recovery =	34.83%
12) S 1-chlorooctadecane (S...	12.963	1885771	16.908 ug/ml
Spiked Amount 50.000		Recovery =	33.82%
Target Compounds			
1) T n-Nonane (C9)	3.285	2381900	20.166 ug/ml
2) T n-Decane (C10)	4.349	2430640	20.526 ug/ml
3) T A~Naphthalene (C11.7)	5.933	2613099	20.054 ug/ml
4) T n-Dodecane (C12)	6.367	2476564	20.467 ug/ml
5) T A~2-methylnaphthalene...	6.991	2631452	19.903 ug/ml
6) T n-Tetradecane (C14)	8.163	2471432	20.288 ug/ml
7) T n-Hexadecane (C16)	9.765	2385010	19.473 ug/ml
8) T n-Octadecane (C18)	11.208	2421061	18.590 ug/ml
10) T n-Eicosane (C20)	12.518	2342641	17.699 ug/ml
11) T n-Heneicosane (C21)	13.131	2284217	17.199 ug/ml
13) T n-Docosane (C22)	13.718	2243770	16.869 ug/ml
14) T n-Tetracosane (C24)	14.822	2192300	16.424 ug/ml
15) T n-Hexacosane (C26)	15.845	2101024	15.891 ug/ml
16) T n-Octacosane (C28)	16.794	2069086	15.806 ug/ml
17) T n-Tricontane (C30)	17.683	2071580	15.883 ug/ml
18) T n-Dotriacontane (C32)	18.517	2046047	16.215 ug/ml
19) T n-Tetratriacontane (C34)	19.300	2022713	16.601 ug/mlm
20) T n-Hexatriacontane (C36)	20.043	1961768	16.779 ug/mlm
21) T n-Octatriacontane (C38)	20.770	1903953	18.508 ug/ml
22) T n-Tetracontane (C40)	21.665	1913724	19.205 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

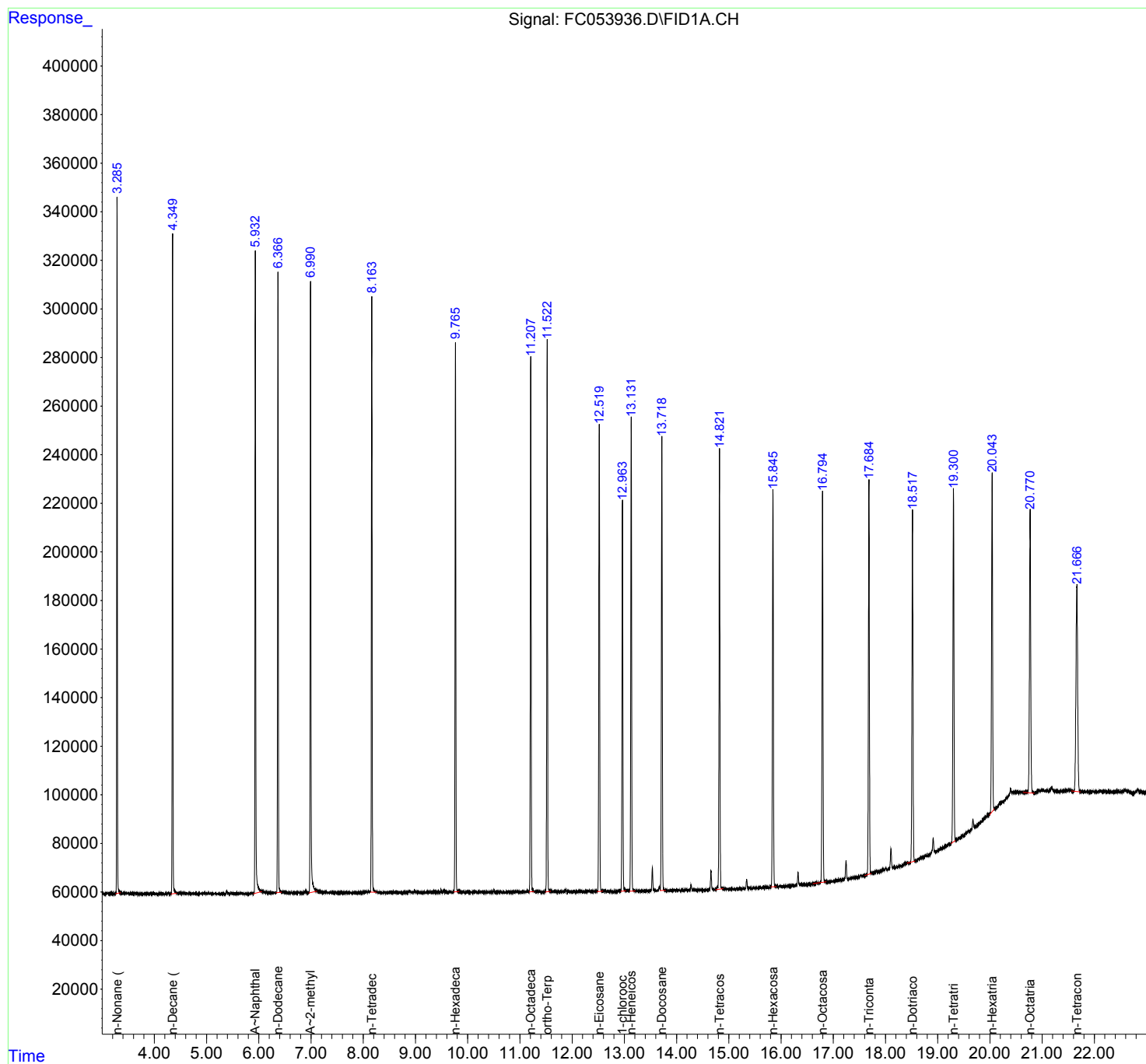
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

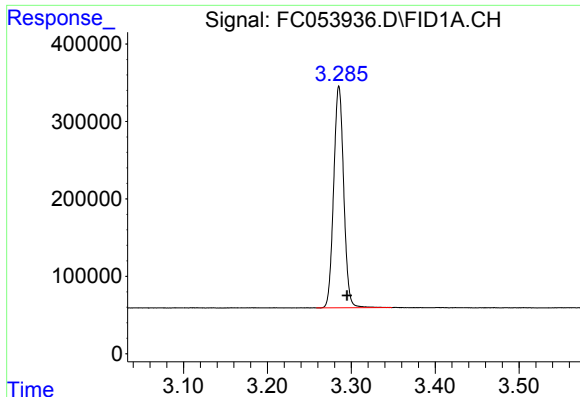
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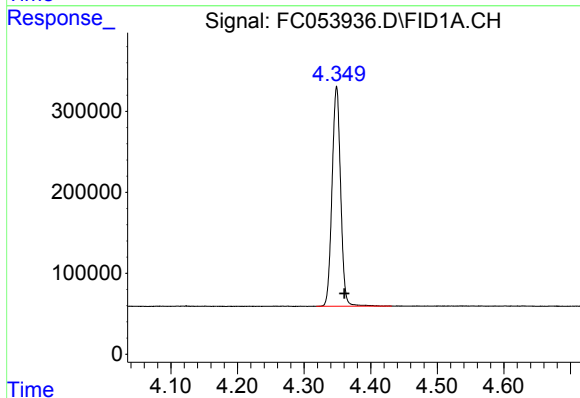
#1 n-Nonane (C9)

R.T.: 3.285 min
Delta R.T.: -0.010 min
Response: 2381900
Conc: 20.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

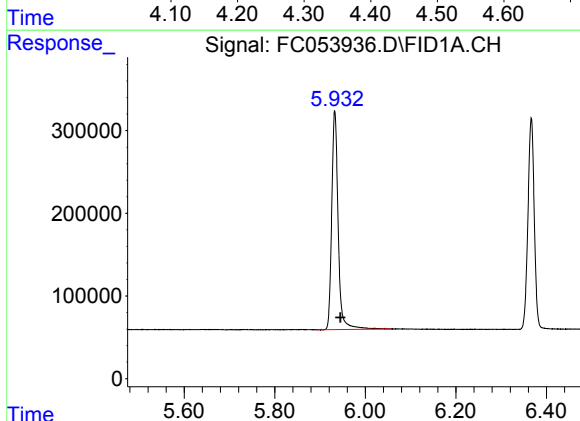
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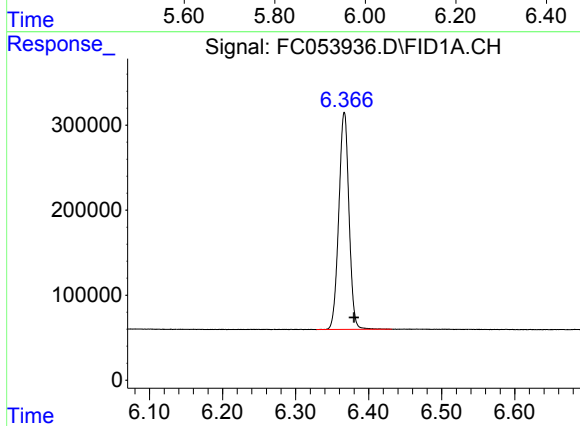
#2 n-Decane (C10)

R.T.: 4.349 min
Delta R.T.: -0.012 min
Response: 2430640
Conc: 20.53 ug/ml



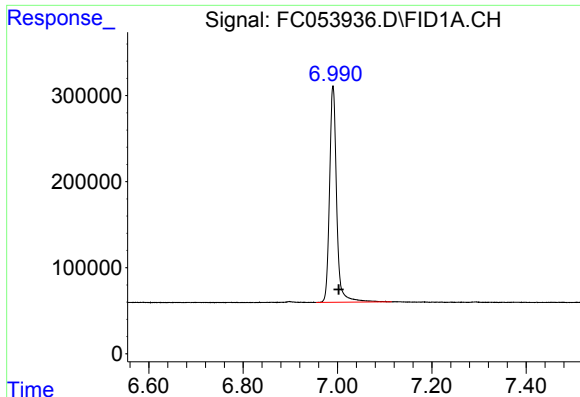
#3 A~Naphthalene (C11.7)

R.T.: 5.933 min
Delta R.T.: -0.012 min
Response: 2613099
Conc: 20.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.367 min
Delta R.T.: -0.014 min
Response: 2476564
Conc: 20.47 ug/ml



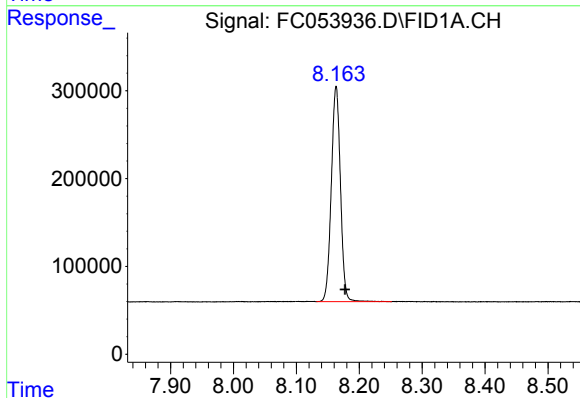
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.991 min
Delta R.T.: -0.012 min
Response: 2631452
Conc: 19.90 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

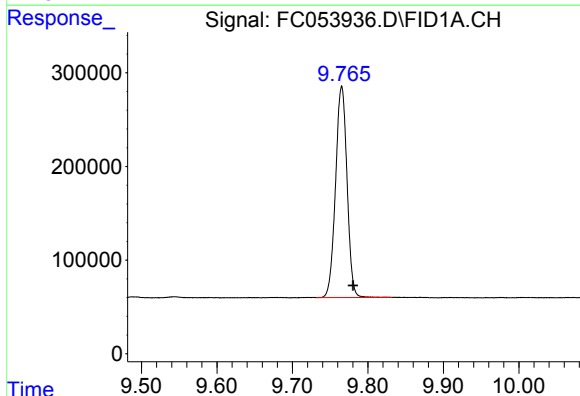
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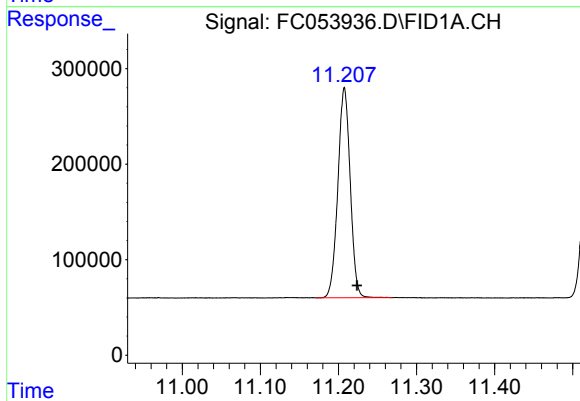
#6 n-Tetradecane (C14)

R.T.: 8.163 min
Delta R.T.: -0.015 min
Response: 2471432
Conc: 20.29 ug/ml



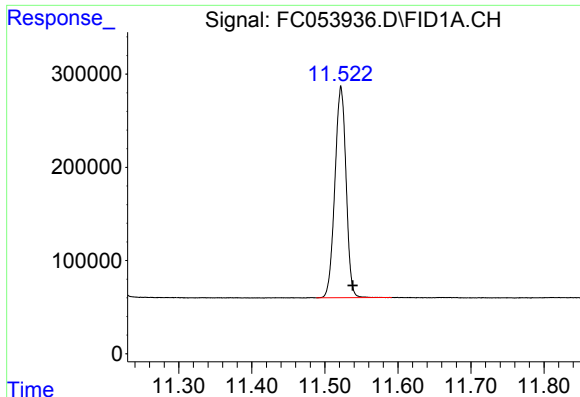
#7 n-Hexadecane (C16)

R.T.: 9.765 min
Delta R.T.: -0.015 min
Response: 2385010
Conc: 19.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.208 min
Delta R.T.: -0.016 min
Response: 2421061
Conc: 18.59 ug/ml



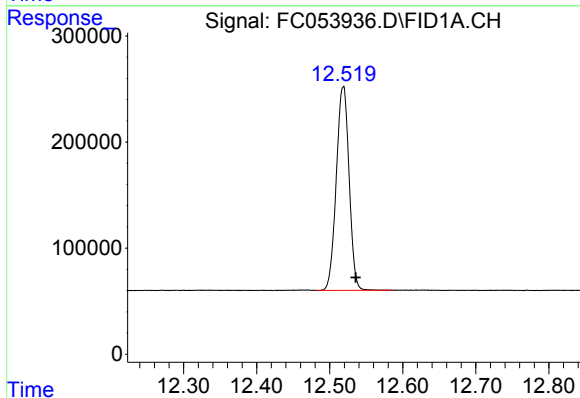
#9 ortho-Terphenyl (SURR)

R.T.: 11.522 min
Delta R.T.: -0.016 min
Response: 2411238
Conc: 17.42 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

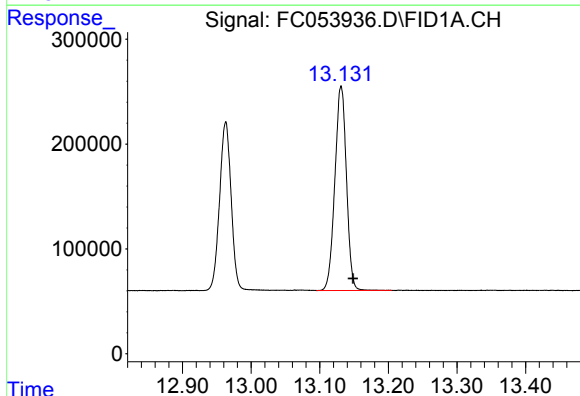
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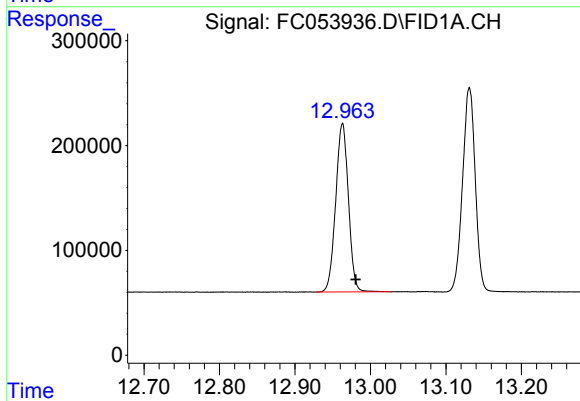
#10 n-Eicosane (C20)

R.T.: 12.518 min
Delta R.T.: -0.017 min
Response: 2342641
Conc: 17.70 ug/ml



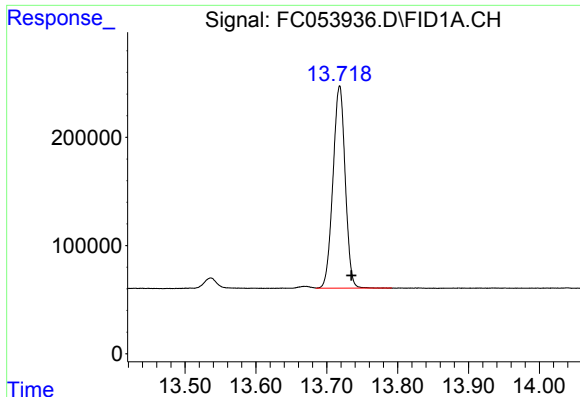
#11 n-Heneicosane (C21)

R.T.: 13.131 min
Delta R.T.: -0.017 min
Response: 2284217
Conc: 17.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.963 min
Delta R.T.: -0.018 min
Response: 1885771
Conc: 16.91 ug/ml



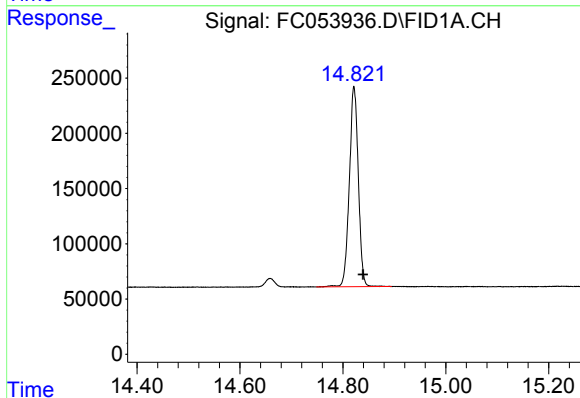
#13 n-Docosane (C22)

R.T.: 13.718 min
Delta R.T.: -0.017 min
Response: 2243770
Conc: 16.87 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

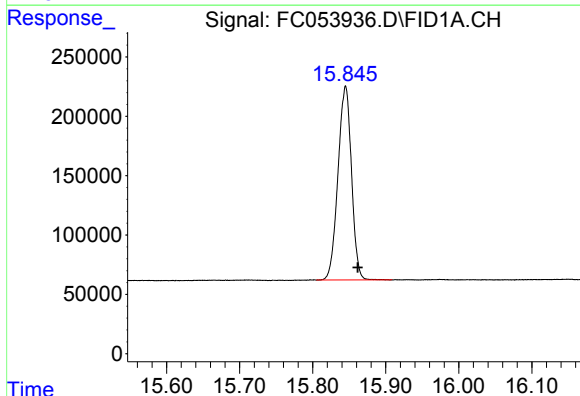
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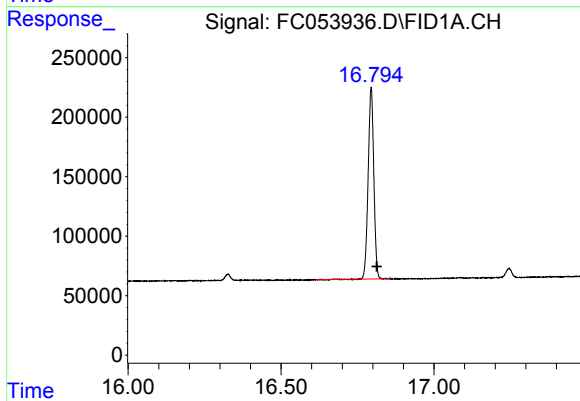
#14 n-Tetracosane (C24)

R.T.: 14.822 min
Delta R.T.: -0.018 min
Response: 2192300
Conc: 16.42 ug/ml



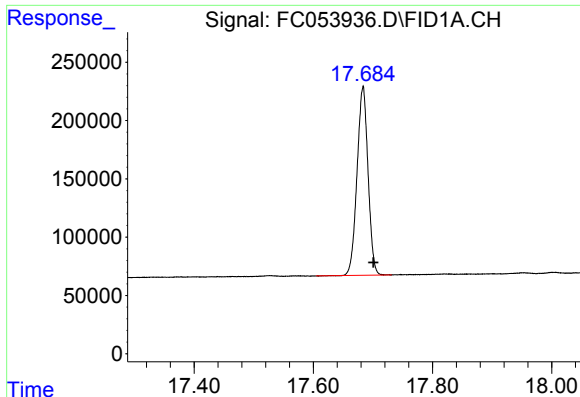
#15 n-Hexacosane (C26)

R.T.: 15.845 min
Delta R.T.: -0.017 min
Response: 2101024
Conc: 15.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.794 min
Delta R.T.: -0.018 min
Response: 2069086
Conc: 15.81 ug/ml



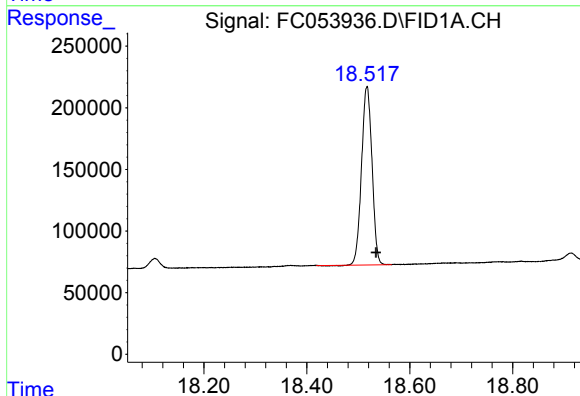
#17 n-Tricontane (C30)

R.T.: 17.683 min
Delta R.T.: -0.018 min
Response: 2071580
Conc: 15.88 ug/ml

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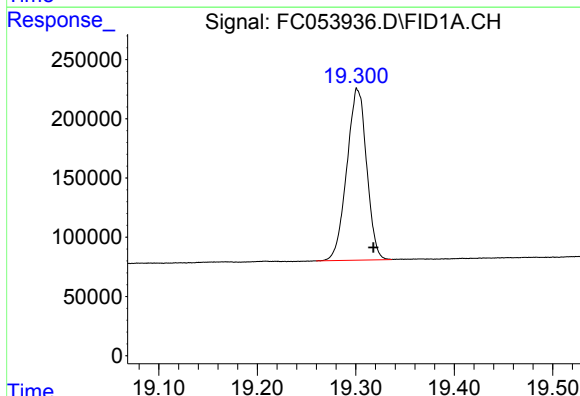
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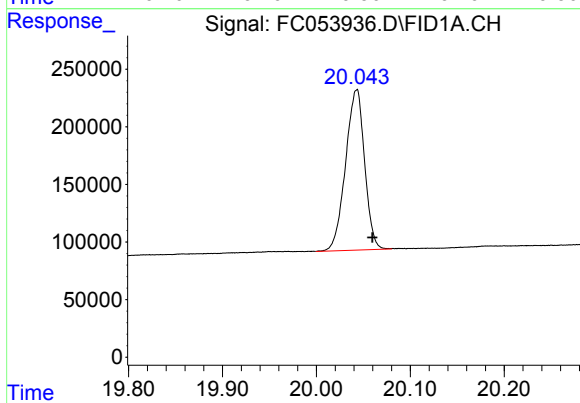
#18 n-Dotriacontane (C32)

R.T.: 18.517 min
Delta R.T.: -0.018 min
Response: 2046047
Conc: 16.22 ug/ml



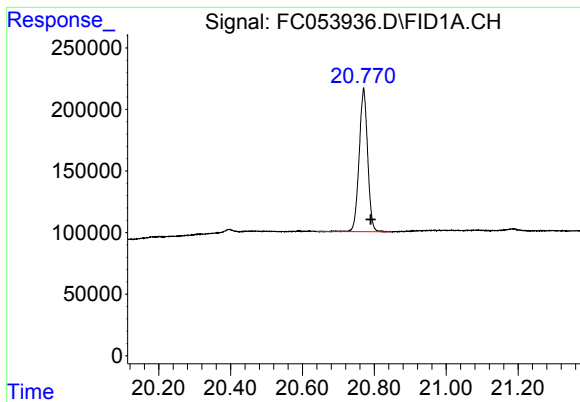
#19 n-Tetratriacontane (C34)

R.T.: 19.300 min
Delta R.T.: -0.018 min
Response: 2022713
Conc: 16.60 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.043 min
Delta R.T.: -0.016 min
Response: 1961768
Conc: 16.78 ug/ml m



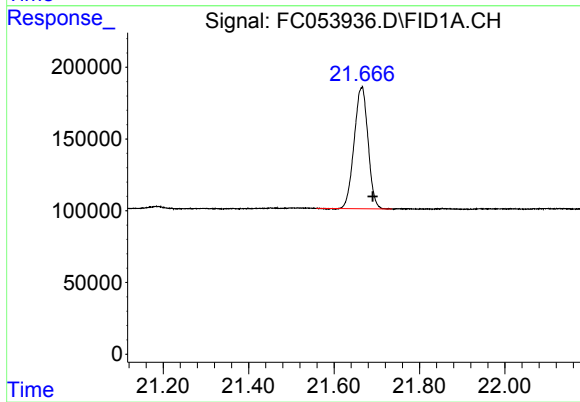
#21 n-Octatriacontane (C38)

R.T.: 20.770 min
Delta R.T.: -0.020 min
Response: 1903953
Conc: 18.51 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.665 min
Delta R.T.: -0.026 min
Response: 1913724
Conc: 19.21 ug/ml