

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102120AL\
 Data File : FC050245.D
 Signal(s) : FID1A.CH
 Acq On : 21 Oct 2020 9:03
 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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 10/22/2020 5:30:27 PM

Integration File: autoint1.e
 Quant Time: Oct 21 16:35:16 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 100620.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 07 04:53:04 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)	11.631	2227258	19.870 ug/ml
Spiked Amount 50.000		Recovery =	39.74%
12) S 1-chlorooctadecane (S...	13.064	1714666	19.794 ug/ml
Spiked Amount 50.000		Recovery =	39.59%
Target Compounds			
1) T n-Nonane (C9)	3.375	2133618	21.530 ug/ml
2) T n-Decane (C10)	4.447	2143393	21.528 ug/ml
3) T A~Naphthalene (C11.7)	6.041	2329182	21.132 ug/ml
4) T n-Dodecane (C12)	6.468	2164284	21.449 ug/ml
5) T A~2-methylnaphthalene...	7.099	2343832	21.058 ug/ml
6) T n-Tetradecane (C14)	8.265	2138762	21.349 ug/ml
7) T n-Hexadecane (C16)	9.867	2084130	21.147 ug/ml
8) T n-Octadecane (C18)	11.309	2142907	20.750 ug/ml
10) T n-Eicosane (C20)	12.619	2105042	20.230 ug/ml
11) T n-Heneicosane (C21)	13.231	2072057	19.940 ug/ml
13) T n-Docosane (C22)	13.816	2048481	19.734 ug/ml
14) T n-Tetracosane (C24)	14.918	1986071	19.121 ug/ml
15) T n-Hexacosane (C26)	15.938	1926645	18.697 ug/ml
16) T n-Octacosane (C28)	16.887	1900686	18.365 ug/ml
17) T n-Tricontane (C30)	17.774	1849400	18.123 ug/ml
18) T n-Dotriacontane (C32)	18.604	1741334	18.126 ug/ml
19) T n-Tetratriacontane (C34)	19.389	1676629	18.279 ug/mlm
20) T n-Hexatriacontane (C36)	20.126	1639551	18.510 ug/mlm
21) T n-Octatriacontane (C38)	20.872	1566267	18.995 ug/mlm
22) T n-Tetracontane (C40)	21.804	1614785	19.311 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
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Misc :
ALS Vial : 2 Sample Multiplier: 1

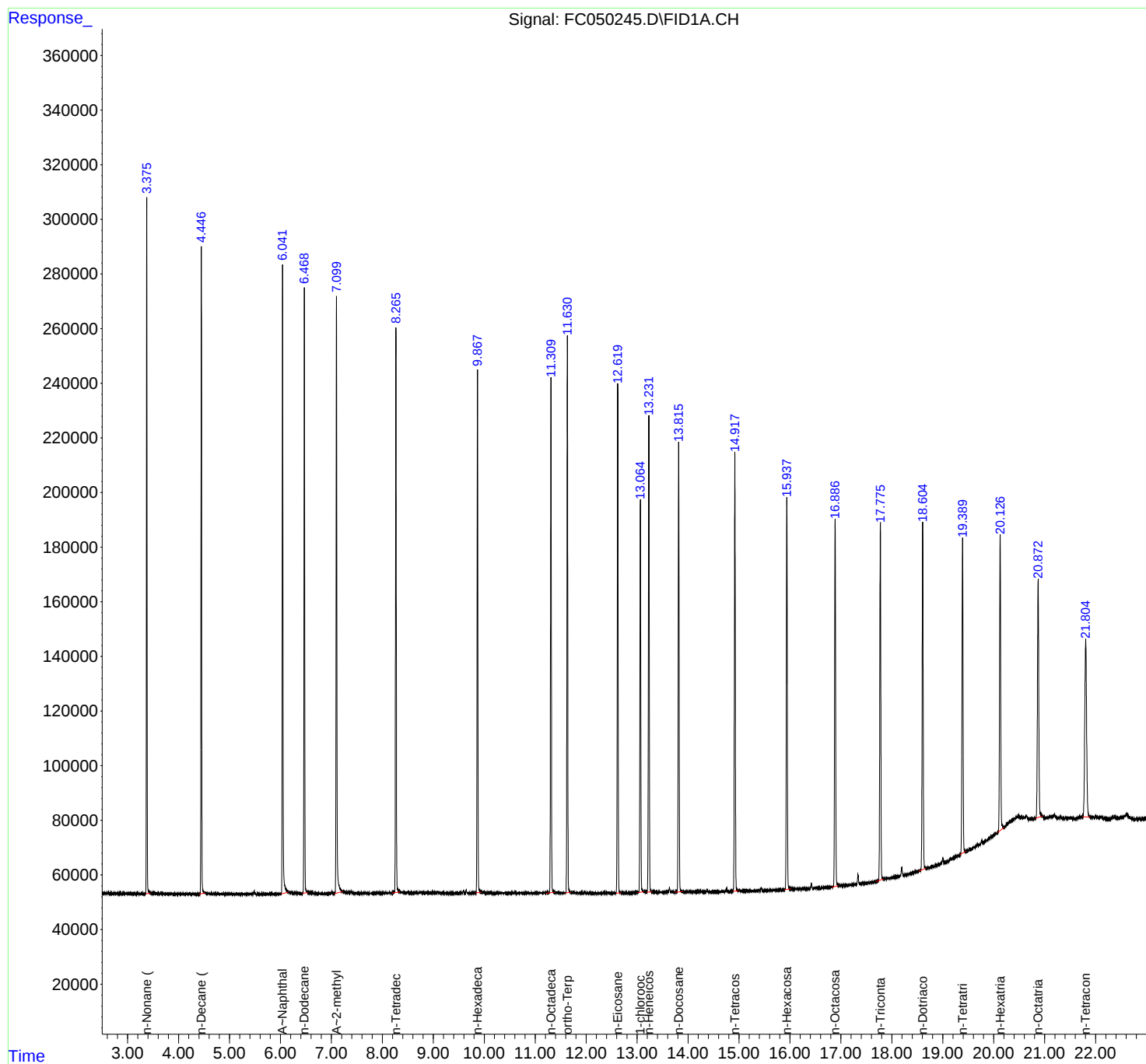
Instrument :
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20 PPM ALIPHATIC HC STD

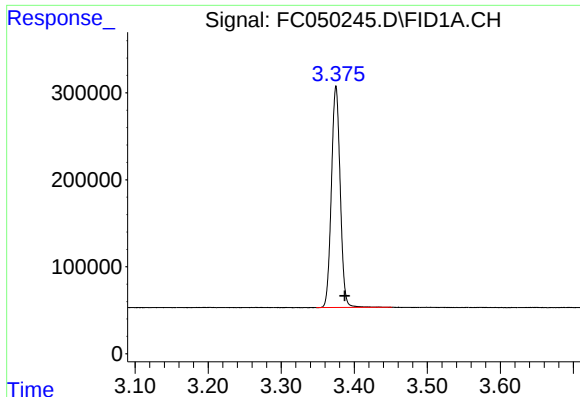
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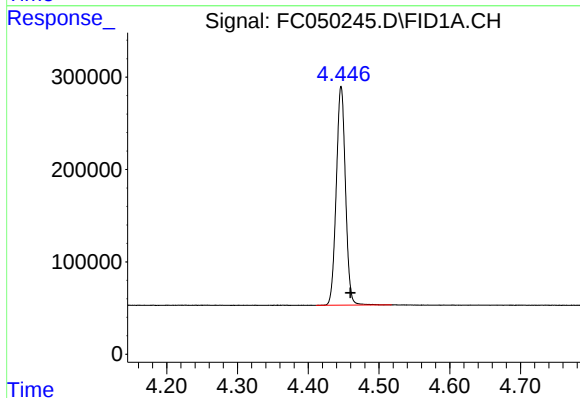
#1 n-Nonane (C9)

R.T.: 3.375 min
Delta R.T.: -0.012 min
Response: 2133618
Conc: 21.53 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

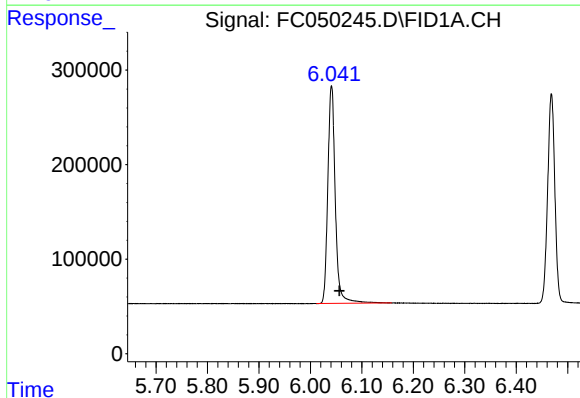
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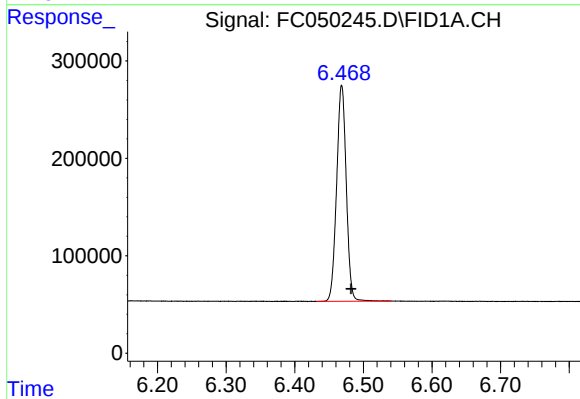
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.013 min
Response: 2143393
Conc: 21.53 ug/ml



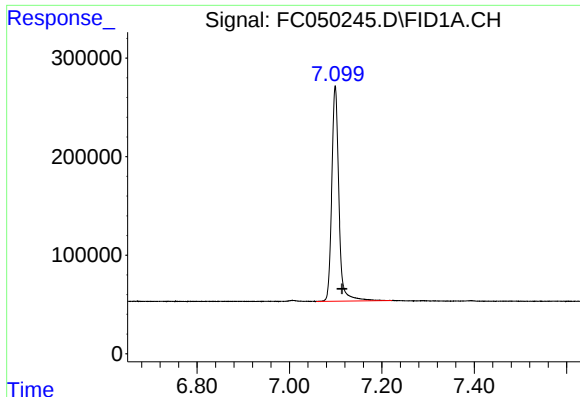
#3 A~Naphthalene (C11.7)

R.T.: 6.041 min
Delta R.T.: -0.015 min
Response: 2329182
Conc: 21.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.468 min
Delta R.T.: -0.013 min
Response: 2164284
Conc: 21.45 ug/ml



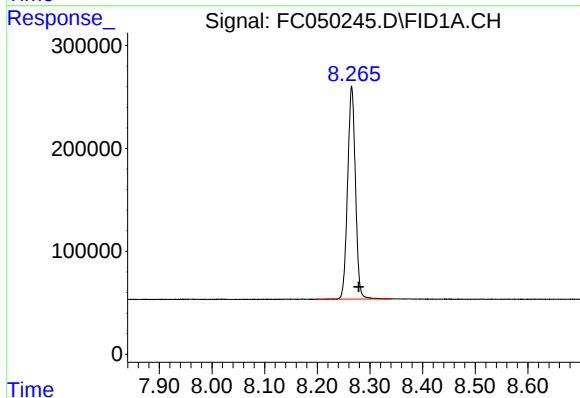
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.099 min
Delta R.T.: -0.015 min
Response: 2343832
Conc: 21.06 ug/ml

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20 PPM ALIPHATIC HC STD

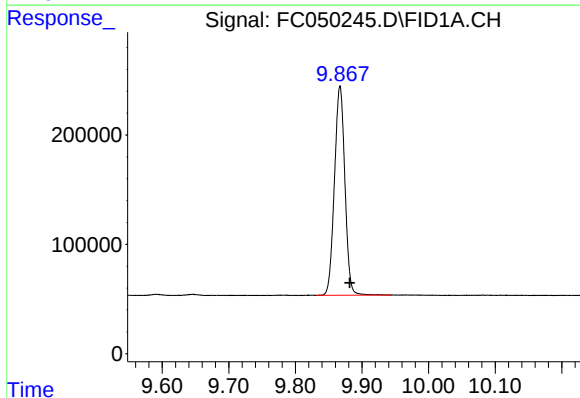
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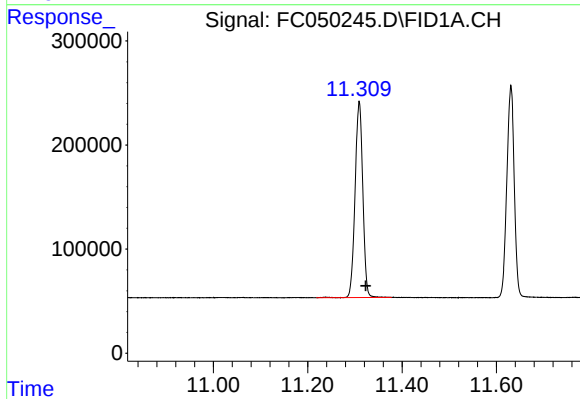
#6 n-Tetradecane (C14)

R.T.: 8.265 min
Delta R.T.: -0.014 min
Response: 2138762
Conc: 21.35 ug/ml



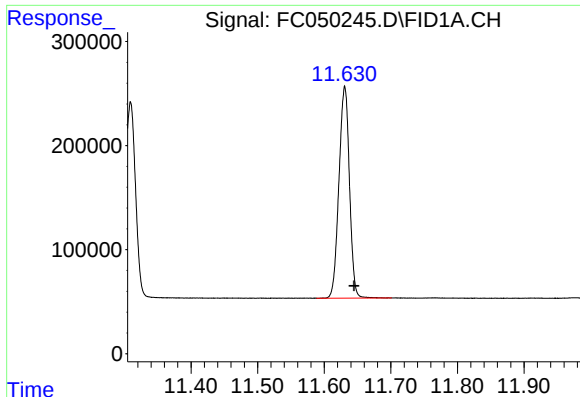
#7 n-Hexadecane (C16)

R.T.: 9.867 min
Delta R.T.: -0.015 min
Response: 2084130
Conc: 21.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.309 min
Delta R.T.: -0.014 min
Response: 2142907
Conc: 20.75 ug/ml



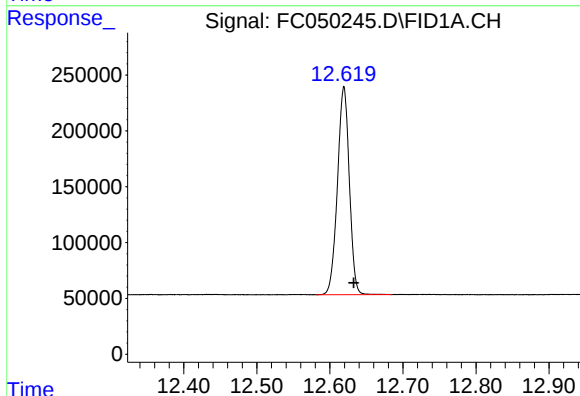
#9 ortho-Terphenyl (SURR)

R.T.: 11.631 min
Delta R.T.: -0.014 min
Response: 2227258
Conc: 19.87 ug/ml

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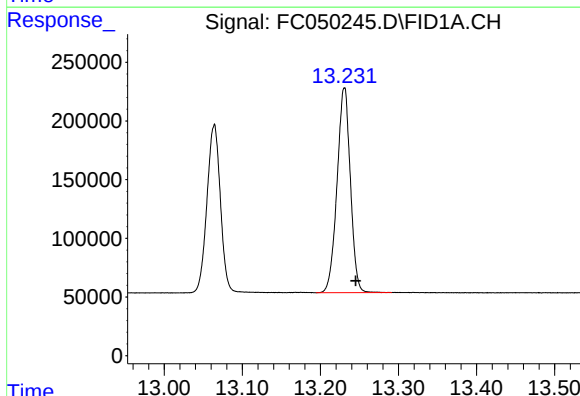
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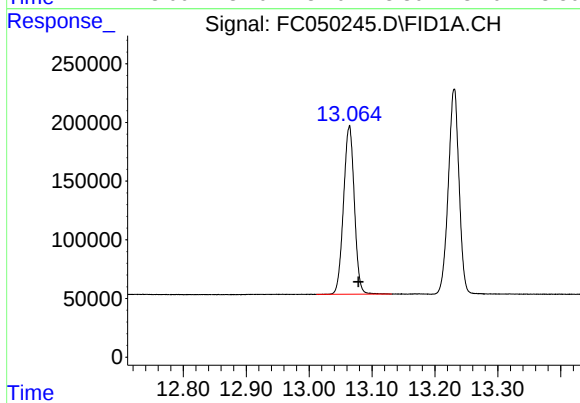
#10 n-Eicosane (C20)

R.T.: 12.619 min
Delta R.T.: -0.013 min
Response: 2105042
Conc: 20.23 ug/ml



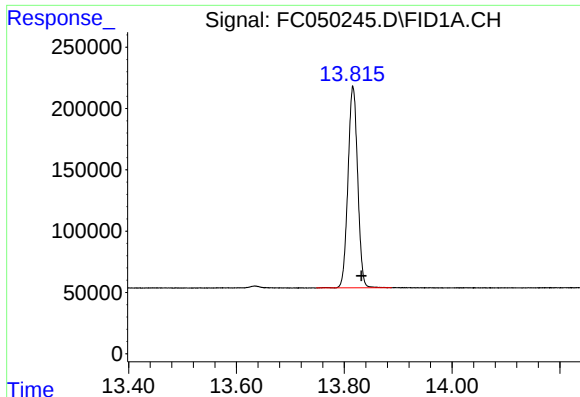
#11 n-Heneicosane (C21)

R.T.: 13.231 min
Delta R.T.: -0.015 min
Response: 2072057
Conc: 19.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.064 min
Delta R.T.: -0.015 min
Response: 1714666
Conc: 19.79 ug/ml



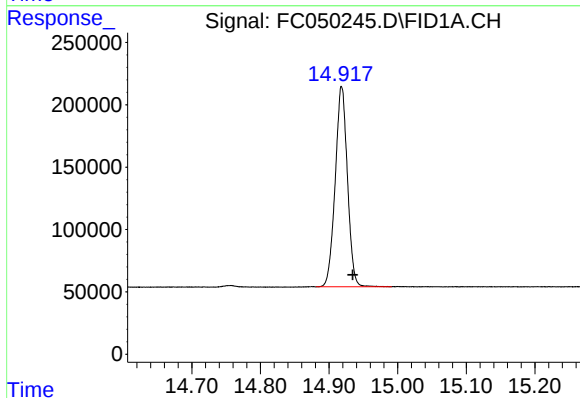
#13 n-Docosane (C22)

R.T.: 13.816 min
Delta R.T.: -0.015 min
Response: 2048481
Conc: 19.73 ug/ml

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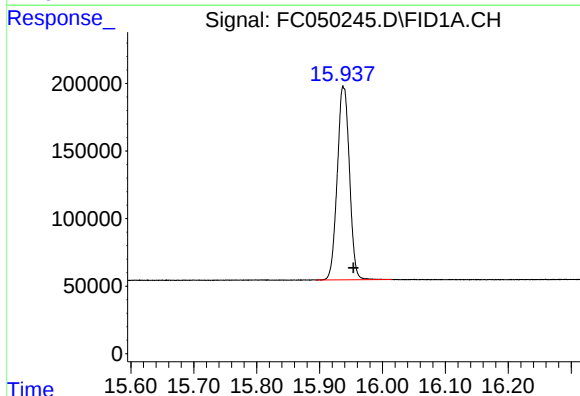
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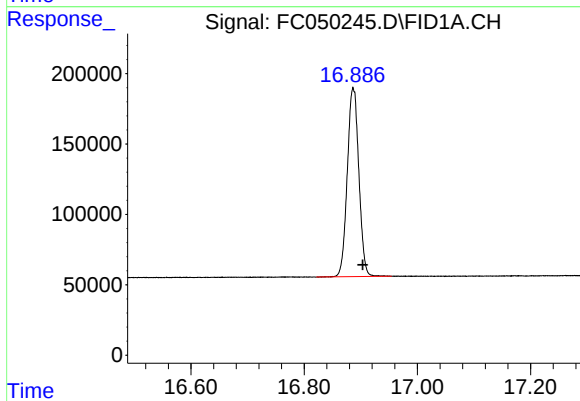
#14 n-Tetracosane (C24)

R.T.: 14.918 min
Delta R.T.: -0.016 min
Response: 1986071
Conc: 19.12 ug/ml



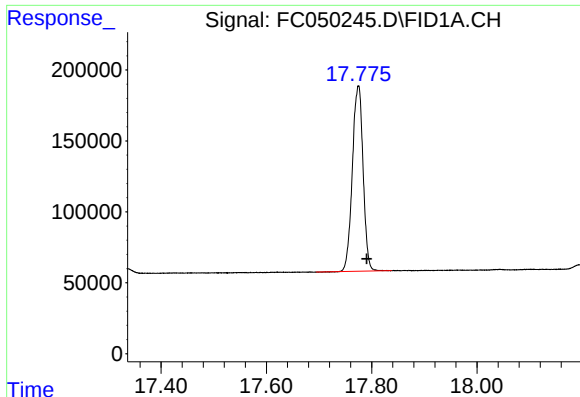
#15 n-Hexacosane (C26)

R.T.: 15.938 min
Delta R.T.: -0.016 min
Response: 1926645
Conc: 18.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.887 min
Delta R.T.: -0.017 min
Response: 1900686
Conc: 18.37 ug/ml



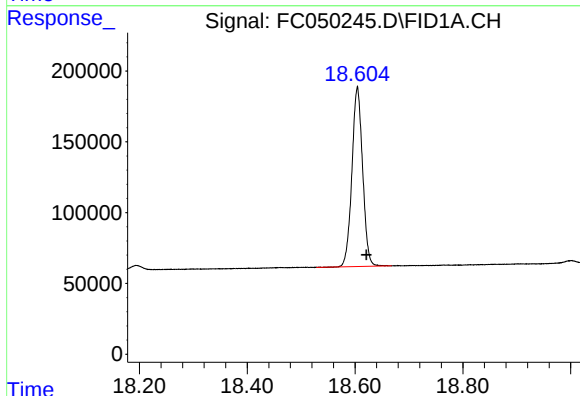
#17 n-Tricontane (C30)

R.T.: 17.774 min
Delta R.T.: -0.017 min
Response: 1849400
Conc: 18.12 ug/ml

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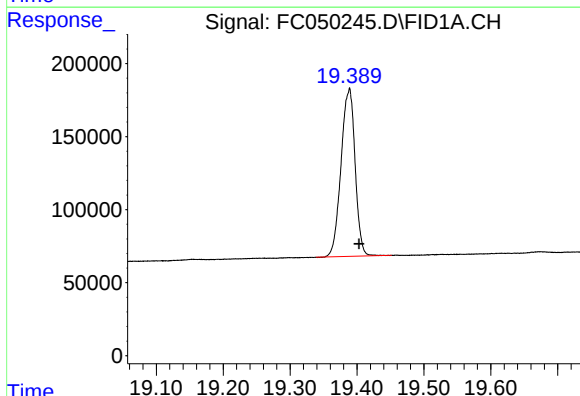
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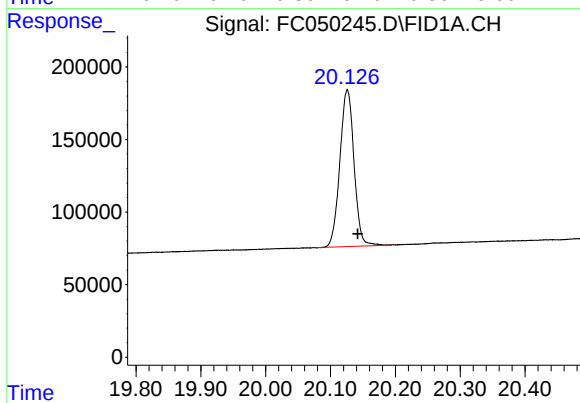
#18 n-Dotriacontane (C32)

R.T.: 18.604 min
Delta R.T.: -0.017 min
Response: 1741334
Conc: 18.13 ug/ml



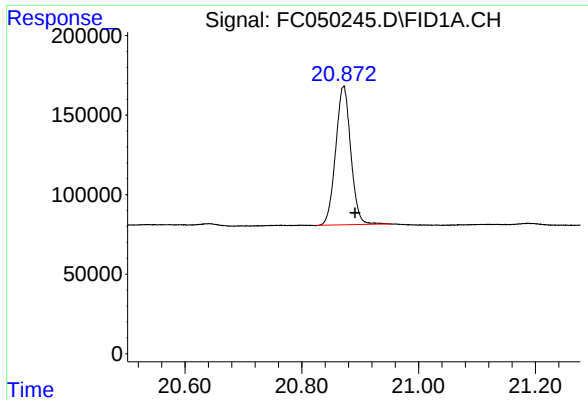
#19 n-Tetratriacontane (C34)

R.T.: 19.389 min
Delta R.T.: -0.014 min
Response: 1676629
Conc: 18.28 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.126 min
Delta R.T.: -0.017 min
Response: 1639551
Conc: 18.51 ug/ml m



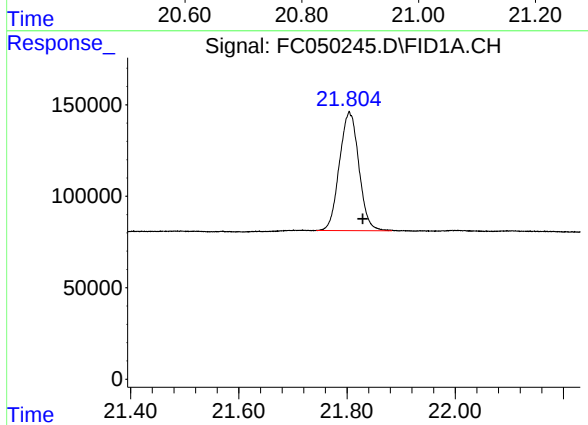
#21 n-Octatriacontane (C38)

R.T.: 20.872 min
Delta R.T.: -0.019 min
Response: 1566267
Conc: 18.99 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.804 min
Delta R.T.: -0.025 min
Response: 1614785
Conc: 19.31 ug/ml m