

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120720AL\
 Data File : FC051157.D
 Signal(s) : FID1A.CH
 Acq On : 07 Dec 2020 12:15
 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

Ankita
 12/8/2020 10:30:24 AM

Integration File: autoint1.e
 Quant Time: Dec 08 02:23:41 2020
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 112720.M
 Quant Title : GC Extractables
 QLast Update : Mon Nov 30 10:42:25 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)	11.605	2225113	18.084 ug/ml
Spiked Amount 50.000		Recovery =	36.17%
12) S 1-chlorooctadecane (S...	13.039	1729861	17.733 ug/ml
Spiked Amount 50.000		Recovery =	35.47%
Target Compounds			
1) T n-Nonane (C9)	3.347	2171532	20.405 ug/ml
2) T n-Decane (C10)	4.418	2178872	20.515 ug/ml
3) T A~Naphthalene (C11.7)	6.015	2294506	20.409 ug/ml
4) T n-Dodecane (C12)	6.439	2216432	20.370 ug/ml
5) T A~2-methylnaphthalene...	7.074	2288762	20.252 ug/ml
6) T n-Tetradecane (C14)	8.237	2195233	20.289 ug/ml
7) T n-Hexadecane (C16)	9.840	2122805	19.781 ug/ml
8) T n-Octadecane (C18)	11.283	2157149	18.913 ug/ml
10) T n-Eicosane (C20)	12.593	2105622	18.125 ug/ml
11) T n-Heneicosane (C21)	13.205	2072424	17.887 ug/ml
13) T n-Docosane (C22)	13.791	2037763	17.594 ug/ml
14) T n-Tetracosane (C24)	14.895	1986770	17.275 ug/ml
15) T n-Hexacosane (C26)	15.916	1930085	17.142 ug/ml
16) T n-Octacosane (C28)	16.866	1907796	17.230 ug/ml
17) T n-Tricontane (C30)	17.753	1886521	17.759 ug/mlm
18) T n-Dotriacontane (C32)	18.585	1795327	18.374 ug/mlm
19) T n-Tetratriacontane (C34)	19.368	1895429	21.237 ug/mlm
20) T n-Hexatriacontane (C36)	20.109	1731113	20.756 ug/mlm
21) T n-Octatriacontane (C38)	20.850	1721776	22.109 ug/mlm
22) T n-Tetracontane (C40)	21.782	1528154	18.456 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

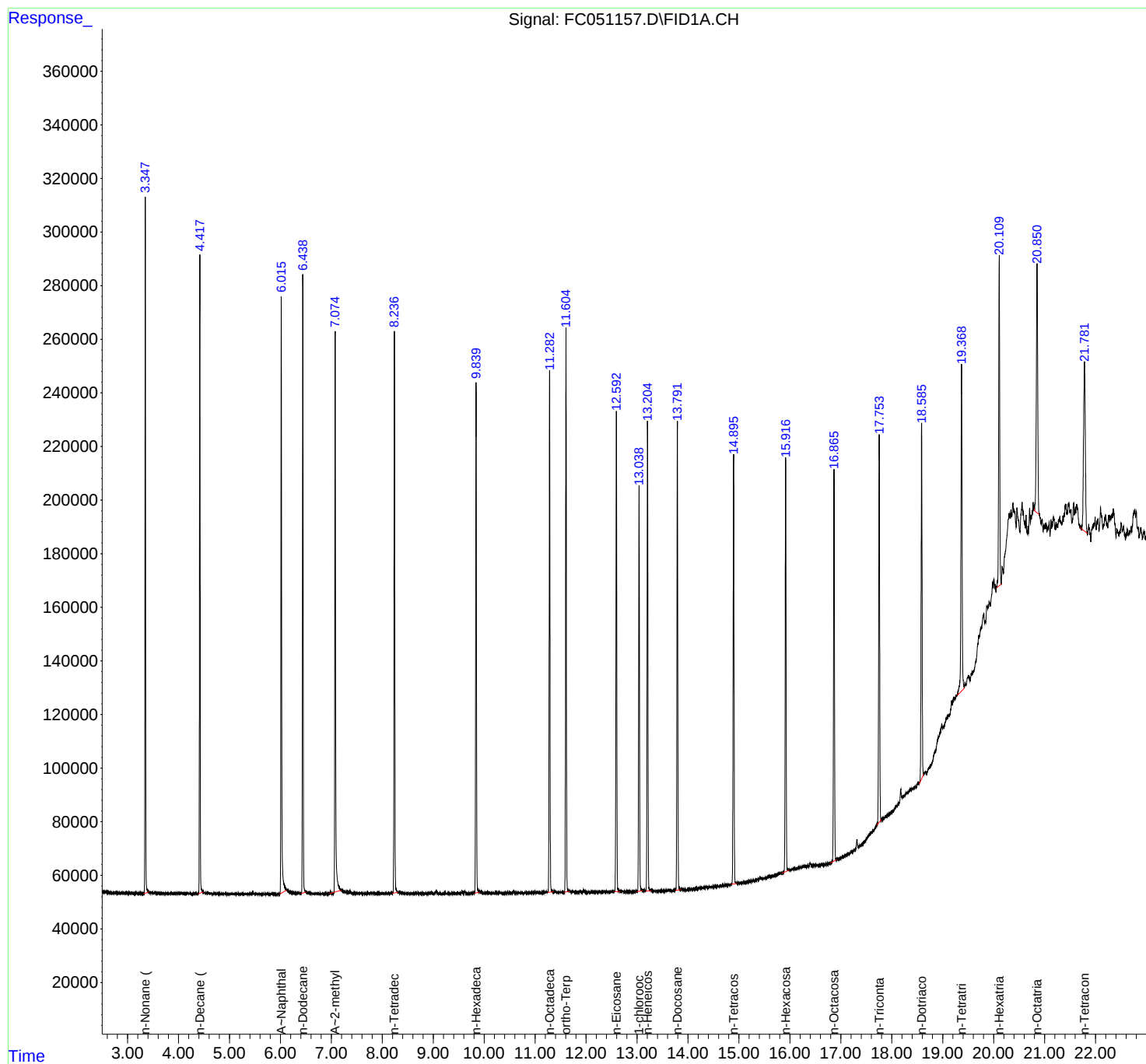
Instrument :
FID_C
Client Sampled :
20 PPM ALIPHATIC HC STD

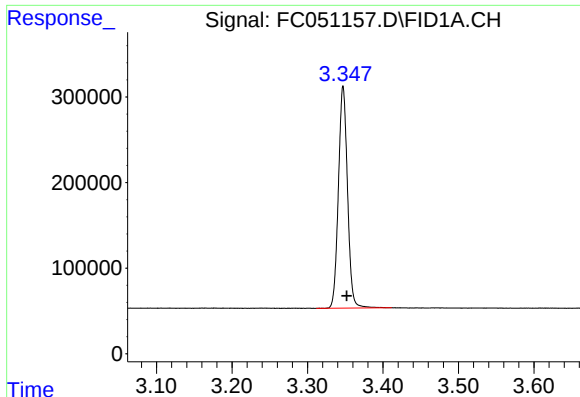
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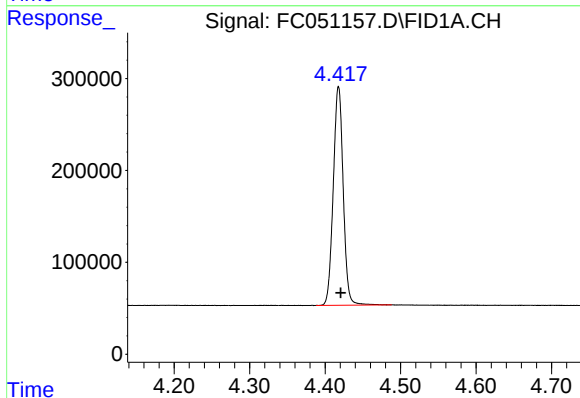
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.005 min
Response: 2171532
Conc: 20.41 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

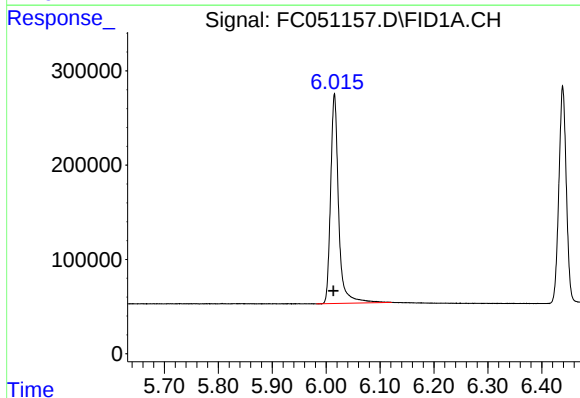
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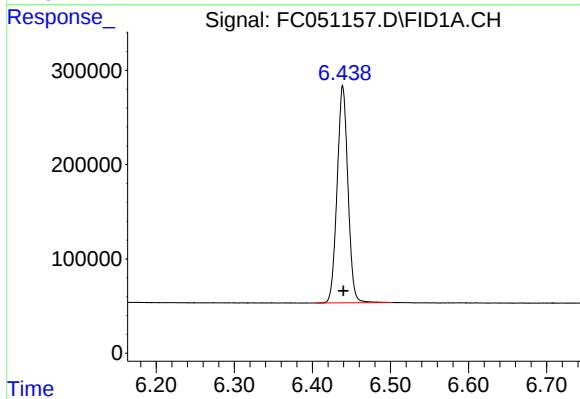
#2 n-Decane (C10)

R.T.: 4.418 min
Delta R.T.: -0.003 min
Response: 2178872
Conc: 20.52 ug/ml



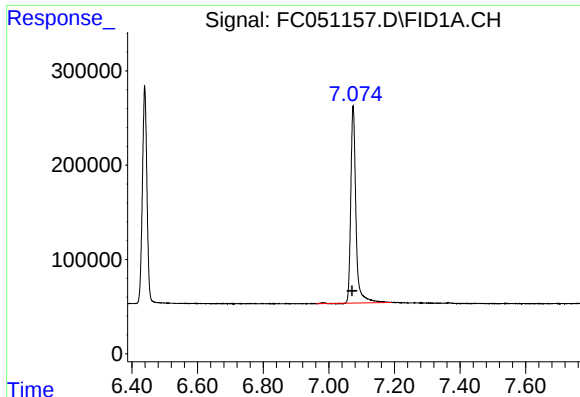
#3 A~Naphthalene (C11.7)

R.T.: 6.015 min
Delta R.T.: 0.002 min
Response: 2294506
Conc: 20.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.439 min
Delta R.T.: 0.000 min
Response: 2216432
Conc: 20.37 ug/ml



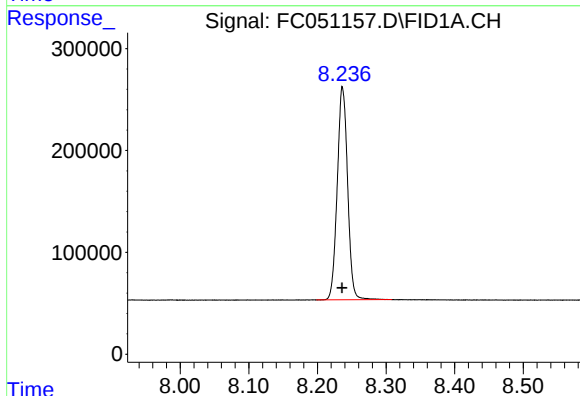
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.074 min
Delta R.T.: 0.003 min
Response: 2288762
Conc: 20.25 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

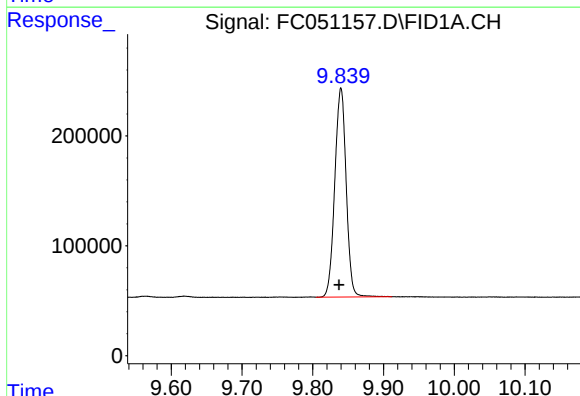
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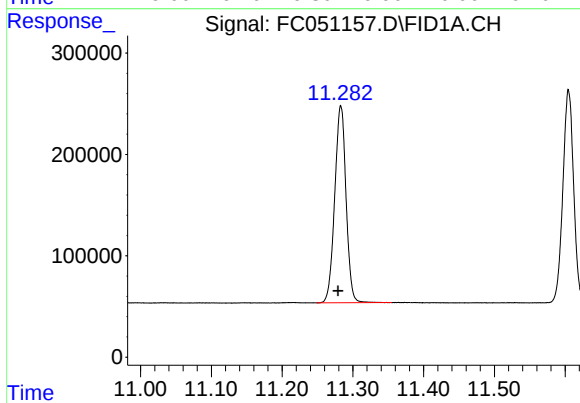
#6 n-Tetradecane (C14)

R.T.: 8.237 min
Delta R.T.: 0.000 min
Response: 2195233
Conc: 20.29 ug/ml



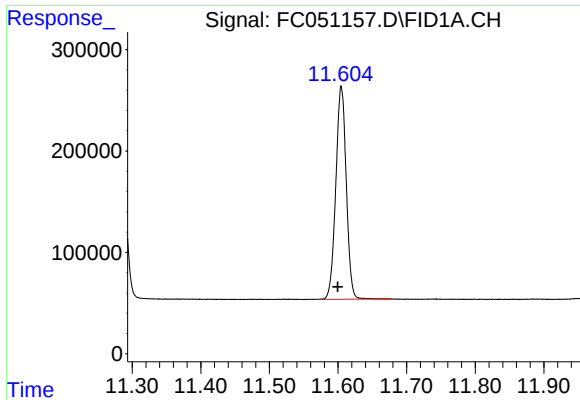
#7 n-Hexadecane (C16)

R.T.: 9.840 min
Delta R.T.: 0.003 min
Response: 2122805
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.283 min
Delta R.T.: 0.004 min
Response: 2157149
Conc: 18.91 ug/ml



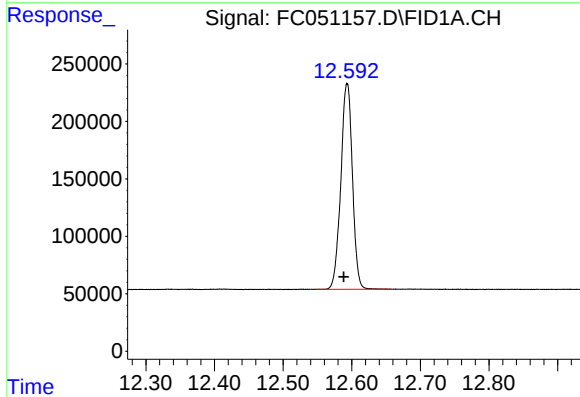
#9 ortho-Terphenyl (SURR)

R.T.: 11.605 min
Delta R.T.: 0.005 min
Response: 2225113
Conc: 18.08 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

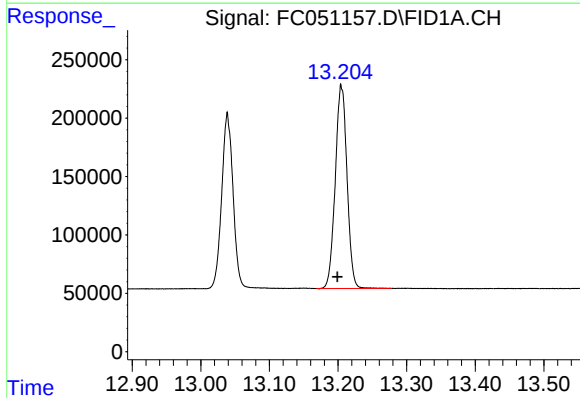
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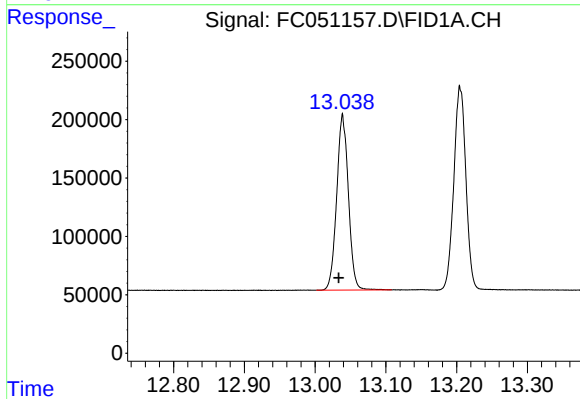
#10 n-Eicosane (C20)

R.T.: 12.593 min
Delta R.T.: 0.005 min
Response: 2105622
Conc: 18.13 ug/ml



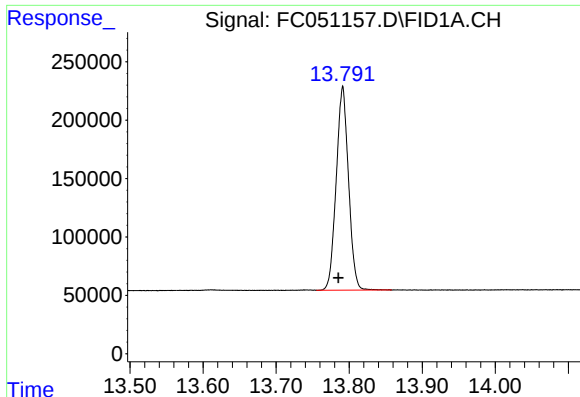
#11 n-Heneicosane (C21)

R.T.: 13.205 min
Delta R.T.: 0.006 min
Response: 2072424
Conc: 17.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.039 min
Delta R.T.: 0.006 min
Response: 1729861
Conc: 17.73 ug/ml



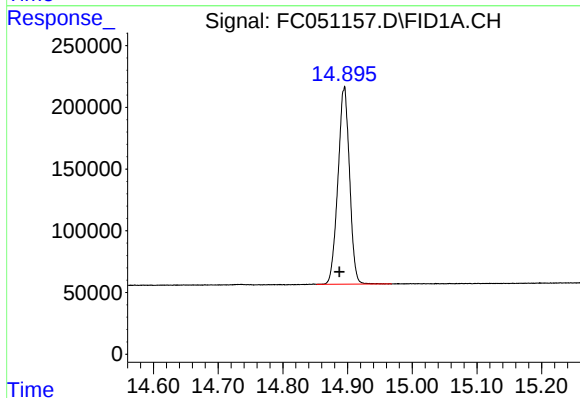
#13 n-Docosane (C22)

R.T.: 13.791 min
Delta R.T.: 0.006 min
Response: 2037763
Conc: 17.59 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

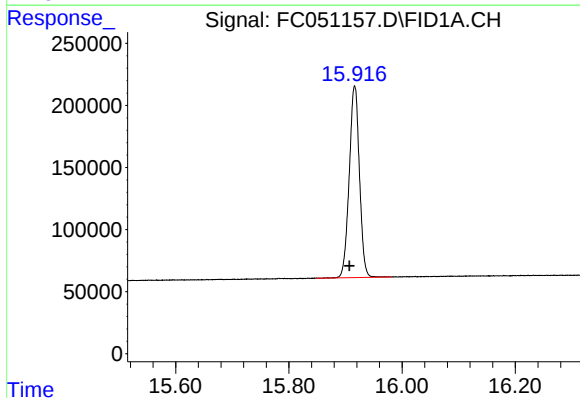
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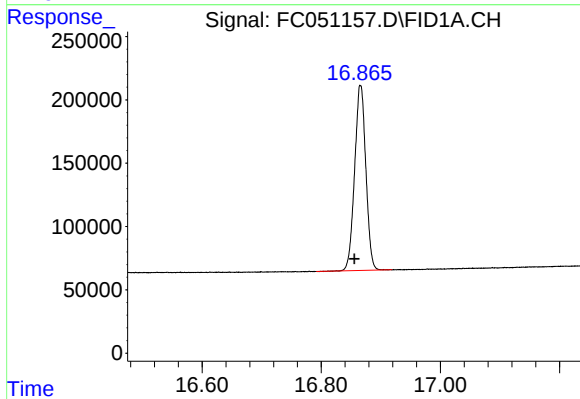
#14 n-Tetracosane (C24)

R.T.: 14.895 min
Delta R.T.: 0.008 min
Response: 1986770
Conc: 17.27 ug/ml



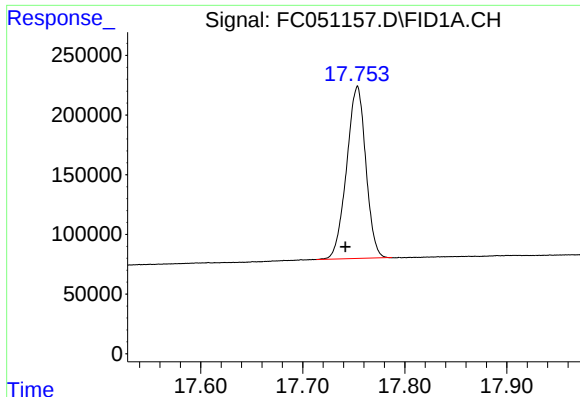
#15 n-Hexacosane (C26)

R.T.: 15.916 min
Delta R.T.: 0.009 min
Response: 1930085
Conc: 17.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.866 min
Delta R.T.: 0.010 min
Response: 1907796
Conc: 17.23 ug/ml



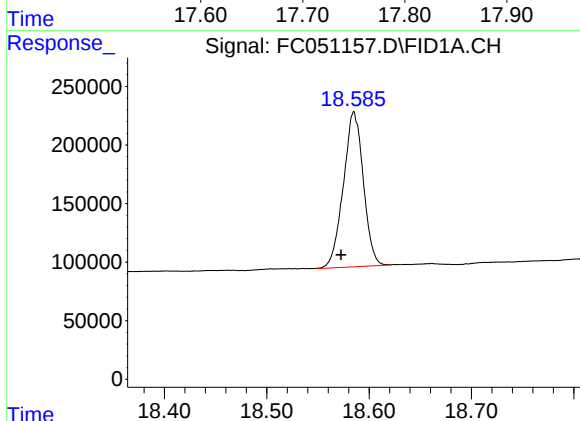
#17 n-Tricontane (C30)

R.T.: 17.753 min
Delta R.T.: 0.011 min
Response: 1886521
Conc: 17.76 ug/ml m

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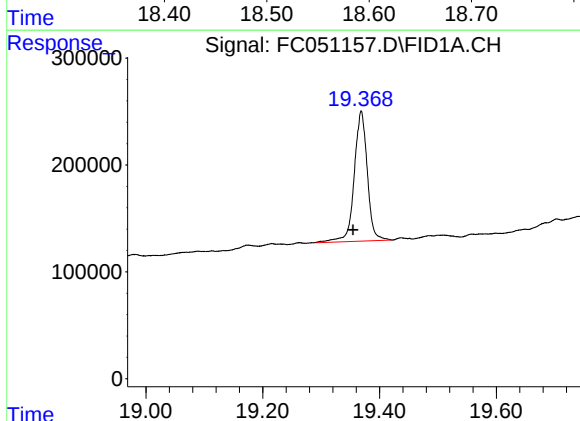
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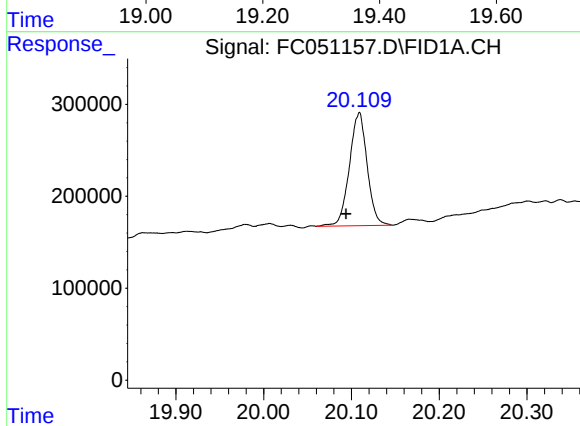
#18 n-Dotriacontane (C32)

R.T.: 18.585 min
Delta R.T.: 0.012 min
Response: 1795327
Conc: 18.37 ug/ml m



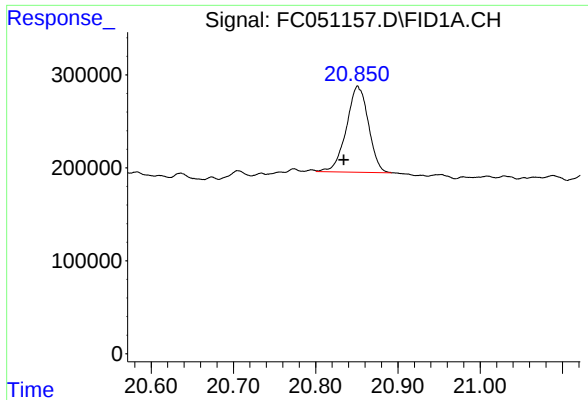
#19 n-Tetratriacontane (C34)

R.T.: 19.368 min
Delta R.T.: 0.014 min
Response: 1895429
Conc: 21.24 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.109 min
Delta R.T.: 0.015 min
Response: 1731113
Conc: 20.76 ug/ml m



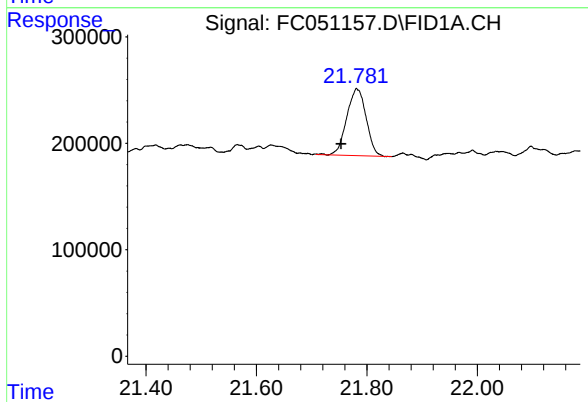
#21 n-Octatriacontane (C38)

R.T.: 20.850 min
Delta R.T.: 0.016 min
Response: 1721776
Conc: 22.11 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.782 min
Delta R.T.: 0.029 min
Response: 1528154
Conc: 18.46 ug/ml