

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC010421AL\
 Data File : FC051529.D
 Signal(s) : FID1A.CH
 Acq On : 04 Jan 2021 9:58
 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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 1/5/2021 11:11:17 AM

Integration File: autoint1.e
 Quant Time: Jan 04 14:14:38 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 122120.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 22 00:33:00 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)	11.566	2264982	19.542 ug/ml
Spiked Amount 50.000		Recovery =	39.08%
12) S 1-chlorooctadecane (S...	12.999	1752963	19.432 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
Target Compounds			
1) T n-Nonane (C9)	3.325	2150194	21.794 ug/ml
2) T n-Decane (C10)	4.392	2154822	21.792 ug/ml
3) T A~Naphthalene (C11.7)	5.984	2254694	21.559 ug/ml
4) T n-Dodecane (C12)	6.411	2210100	21.619 ug/ml
5) T A~2-methylnaphthalene...	7.041	2254877	21.466 ug/ml
6) T n-Tetradecane (C14)	8.205	2176402	21.455 ug/ml
7) T n-Hexadecane (C16)	9.805	2105728	20.908 ug/ml
8) T n-Octadecane (C18)	11.246	2161922	20.270 ug/ml
10) T n-Eicosane (C20)	12.554	2127730	19.758 ug/ml
11) T n-Heneicosane (C21)	13.166	2098228	19.562 ug/ml
13) T n-Docosane (C22)	13.751	2061329	19.302 ug/ml
14) T n-Tetracosane (C24)	14.854	2004655	18.940 ug/ml
15) T n-Hexacosane (C26)	15.873	1943089	18.760 ug/ml
16) T n-Octacosane (C28)	16.821	1931380	18.970 ug/ml
17) T n-Tricontane (C30)	17.707	1910398	19.399 ug/ml
18) T n-Dotriacontane (C32)	18.538	1817752	20.064 ug/mlm
19) T n-Tetratriacontane (C34)	19.322	1750441	20.594 ug/mlm
20) T n-Hexatriacontane (C36)	20.060	1707983	20.143 ug/mlm
21) T n-Octatriacontane (C38)	20.791	1696242	22.156 ug/mlm
22) T n-Tetracontane (C40)	21.699	1775876	22.457 ug/mlm

(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

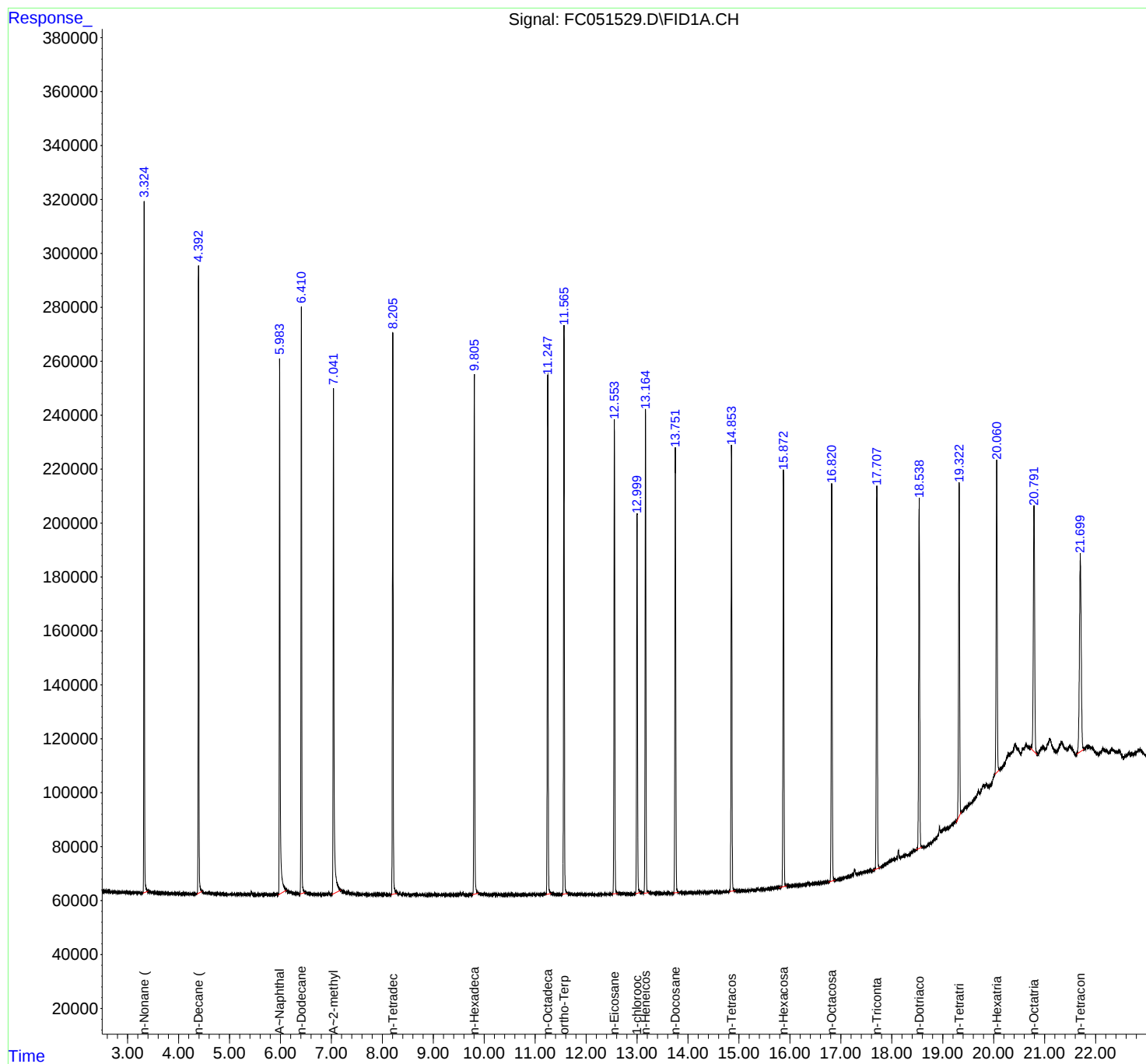
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

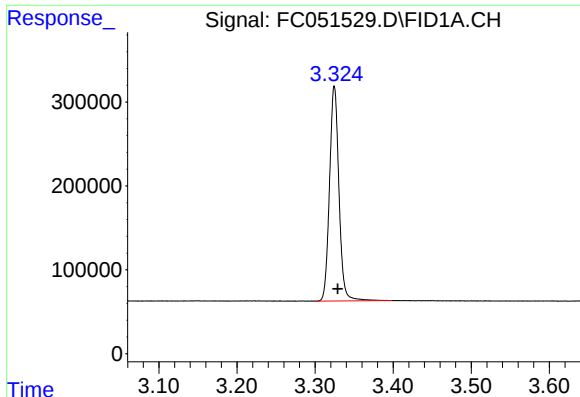
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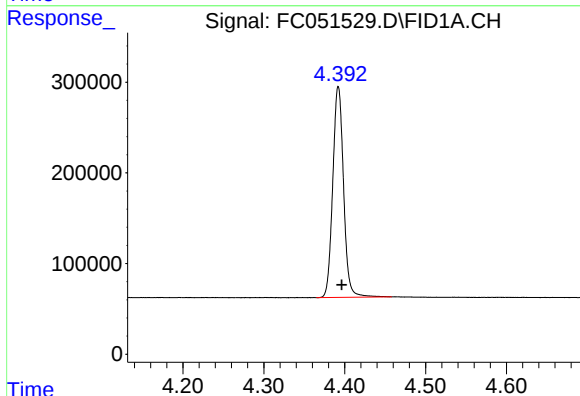
#1 n-Nonane (C9)

R.T.: 3.325 min
Delta R.T.: -0.004 min
Response: 2150194
Conc: 21.79 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

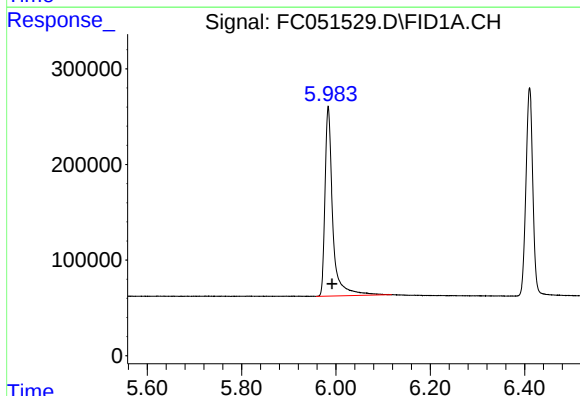
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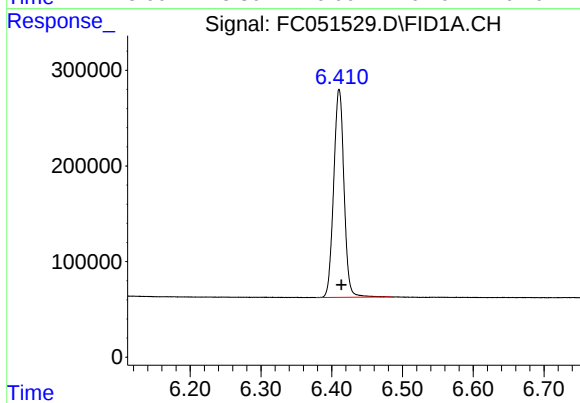
#2 n-Decane (C10)

R.T.: 4.392 min
Delta R.T.: -0.004 min
Response: 2154822
Conc: 21.79 ug/ml



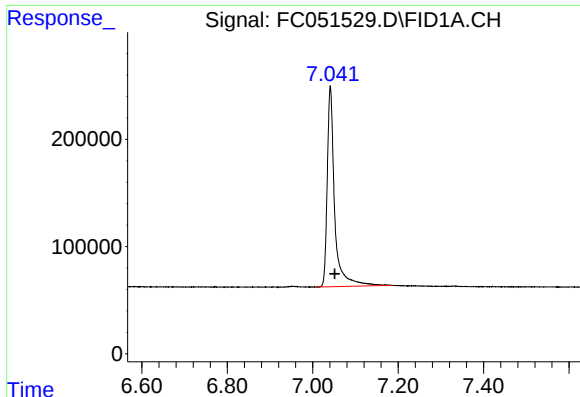
#3 A~Naphthalene (C11.7)

R.T.: 5.984 min
Delta R.T.: -0.008 min
Response: 2254694
Conc: 21.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.411 min
Delta R.T.: -0.003 min
Response: 2210100
Conc: 21.62 ug/ml



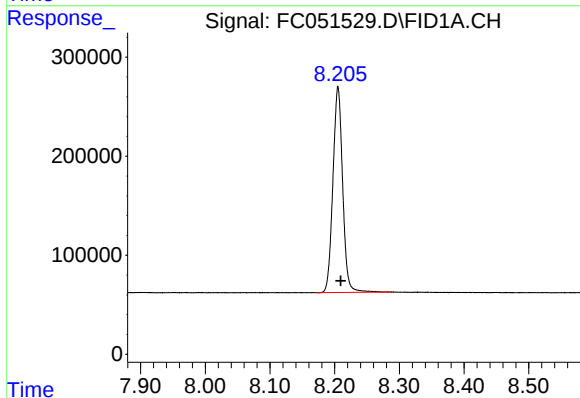
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.041 min
Delta R.T.: -0.010 min
Response: 2254877
Conc: 21.47 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

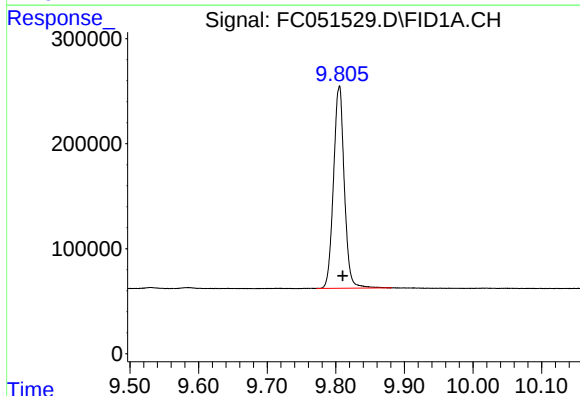
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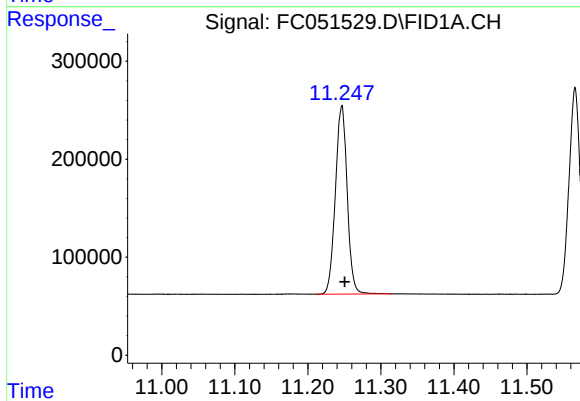
#6 n-Tetradecane (C14)

R.T.: 8.205 min
Delta R.T.: -0.004 min
Response: 2176402
Conc: 21.45 ug/ml



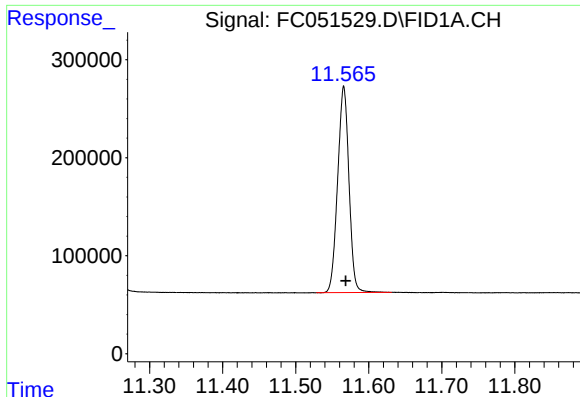
#7 n-Hexadecane (C16)

R.T.: 9.805 min
Delta R.T.: -0.005 min
Response: 2105728
Conc: 20.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.246 min
Delta R.T.: -0.004 min
Response: 2161922
Conc: 20.27 ug/ml



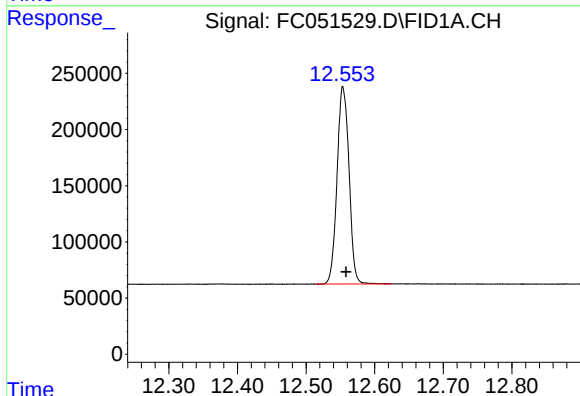
#9 ortho-Terphenyl (SURR)

R.T.: 11.566 min
Delta R.T.: -0.003 min
Response: 2264982
Conc: 19.54 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

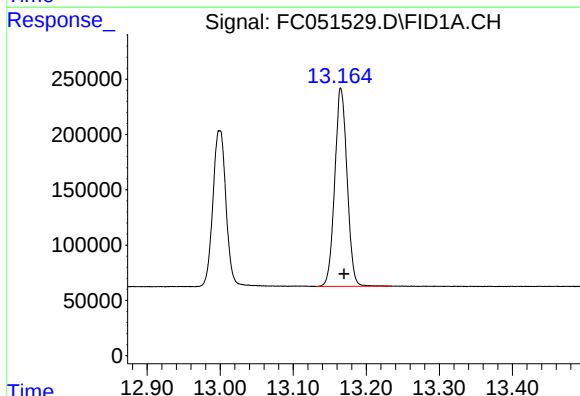
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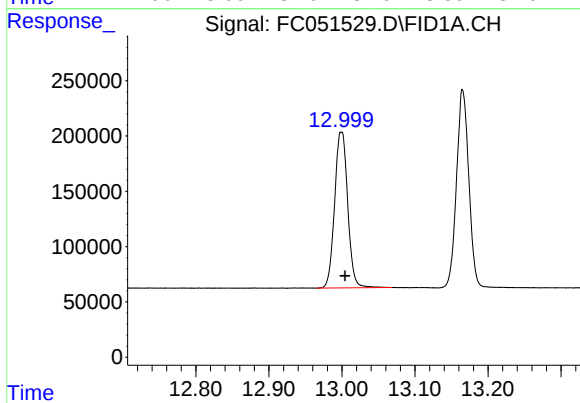
#10 n-Eicosane (C20)

R.T.: 12.554 min
Delta R.T.: -0.004 min
Response: 2127730
Conc: 19.76 ug/ml



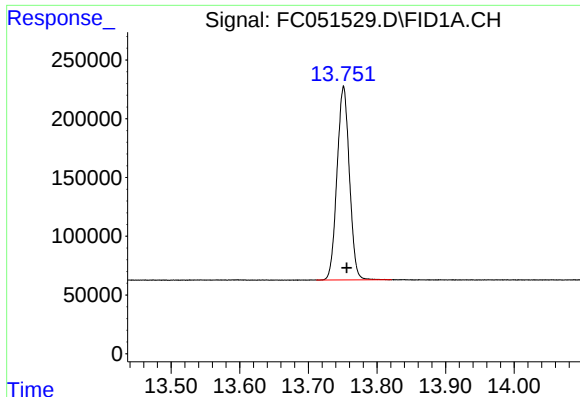
#11 n-Heneicosane (C21)

R.T.: 13.166 min
Delta R.T.: -0.004 min
Response: 2098228
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.999 min
Delta R.T.: -0.005 min
Response: 1752963
Conc: 19.43 ug/ml



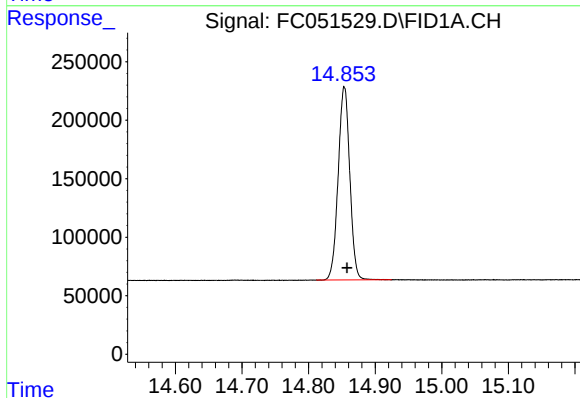
#13 n-Docosane (C22)

R.T.: 13.751 min
Delta R.T.: -0.005 min
Response: 2061329
Conc: 19.30 ug/ml

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20 PPM ALIPHATIC HC STD

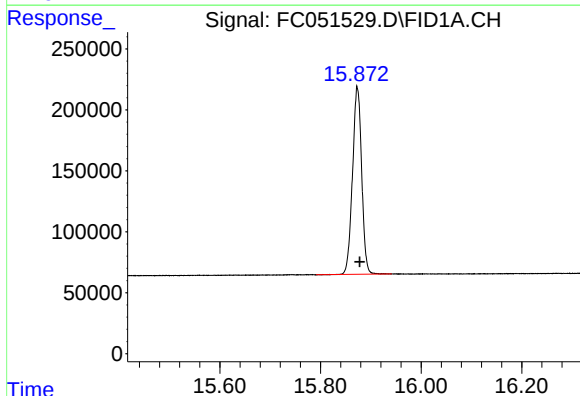
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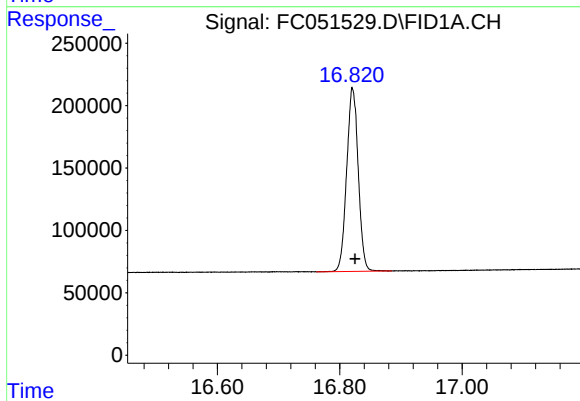
#14 n-Tetracosane (C24)

R.T.: 14.854 min
Delta R.T.: -0.004 min
Response: 2004655
Conc: 18.94 ug/ml



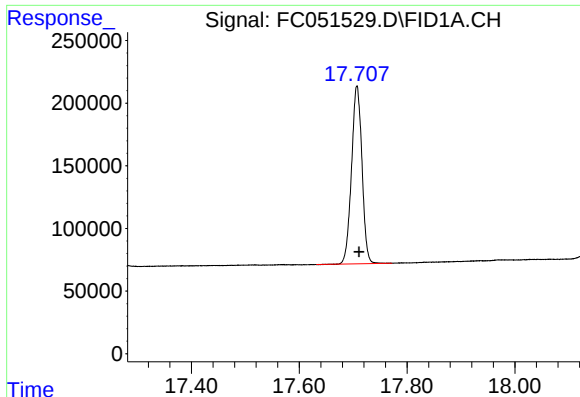
#15 n-Hexacosane (C26)

R.T.: 15.873 min
Delta R.T.: -0.004 min
Response: 1943089
Conc: 18.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.821 min
Delta R.T.: -0.004 min
Response: 1931380
Conc: 18.97 ug/ml



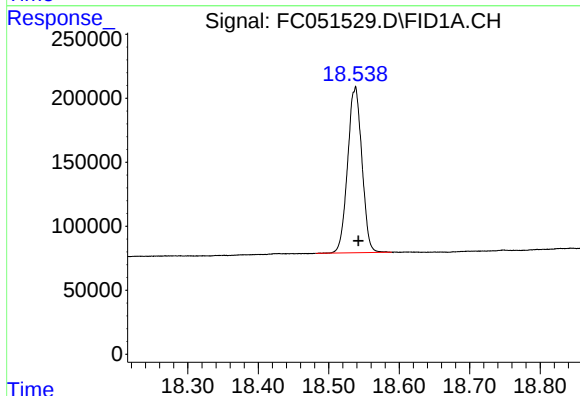
#17 n-Tricontane (C30)

R.T.: 17.707 min
Delta R.T.: -0.004 min
Response: 1910398
Conc: 19.40 ug/ml

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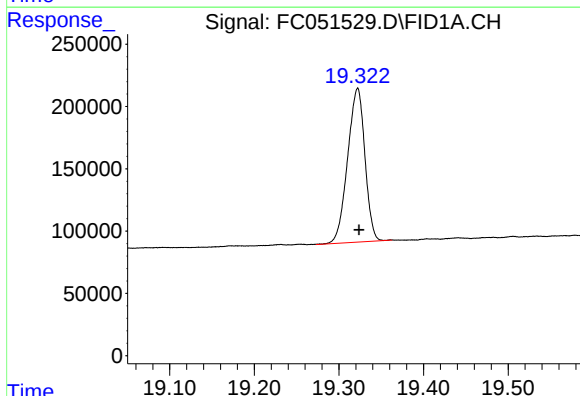
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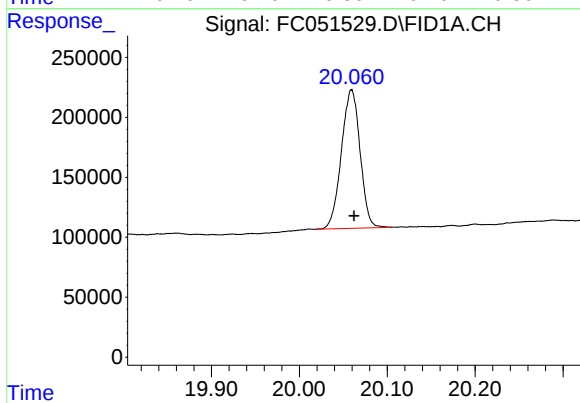
#18 n-Dotriacontane (C32)

R.T.: 18.538 min
Delta R.T.: -0.004 min
Response: 1817752
Conc: 20.06 ug/ml m



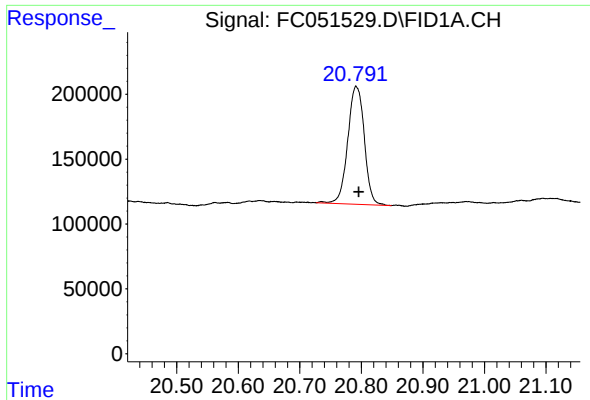
#19 n-Tetratriacontane (C34)

R.T.: 19.322 min
Delta R.T.: -0.002 min
Response: 1750441
Conc: 20.59 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.060 min
Delta R.T.: -0.003 min
Response: 1707983
Conc: 20.14 ug/ml m



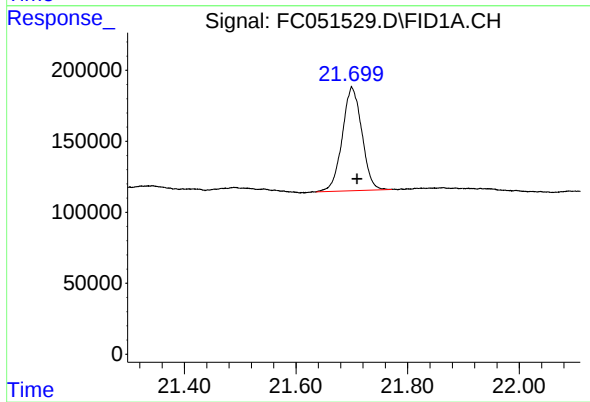
#21 n-Octatriacontane (C38)

R.T.: 20.791 min
Delta R.T.: -0.005 min
Response: 1696242
Conc: 22.16 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.699 min
Delta R.T.: -0.010 min
Response: 1775876
Conc: 22.46 ug/ml m