

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030922AL\
 Data File : FC058633.D
 Signal(s) : FID1A.CH
 Acq On : 09 Mar 2022 10:18
 Operator : UA/NP
 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

Reviewed By :Yogesh Patel 03/10/2022
 Supervised By :Ankita Jodhani 03/10/2022

Integration File: autoint1.e
 Quant Time: Mar 10 01:41:50 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 23 17:15:11 2022
 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)	11.398	2548667	17.498 ug/ml
Spiked Amount 50.000		Recovery =	35.00%
12) S 1-chlorooctadecane (S...	12.830	1954107	17.239 ug/ml
Spiked Amount 50.000		Recovery =	34.48%
Target Compounds			
1) T n-Nonane (C9)	3.254	2318726	19.282 ug/ml
2) T n-Decane (C10)	4.304	2309515	19.408 ug/ml
3) T A~Naphthalene (C11.7)	5.864	2462490	18.974 ug/ml
4) T n-Dodecane (C12)	6.297	2401776	19.524 ug/ml
5) T A~2-methylnaphthalene...	6.909	2485654	19.066 ug/ml
6) T n-Tetradecane (C14)	8.075	2400758	19.159 ug/ml
7) T n-Hexadecane (C16)	9.661	2413391	18.740 ug/ml
8) T n-Octadecane (C18)	11.092	2390633	18.167 ug/ml
10) T n-Eicosane (C20)	12.391	2345554	17.837 ug/ml
11) T n-Heneicosane (C21)	12.998	2303418	17.429 ug/ml
13) T n-Docosane (C22)	13.581	2293259	17.590 ug/ml
14) T n-Tetracosane (C24)	14.676	2285823	17.701 ug/ml
15) T n-Hexacosane (C26)	15.691	2195012	17.745 ug/ml
16) T n-Octacosane (C28)	16.636	2200672	18.488 ug/mlm
17) T n-Tricontane (C30)	17.518	2202124	19.563 ug/ml
18) T n-Dotriacontane (C32)	18.347	2119460	19.710 ug/ml
19) T n-Tetratriacontane (C34)	19.126	1977627	20.411 ug/ml
20) T n-Hexatriacontane (C36)	19.863	1822528	20.202 ug/ml
21) T n-Octatriacontane (C38)	20.568	1757555	20.196 ug/ml
22) T n-Tetracontane (C40)	21.394	1732205	20.642 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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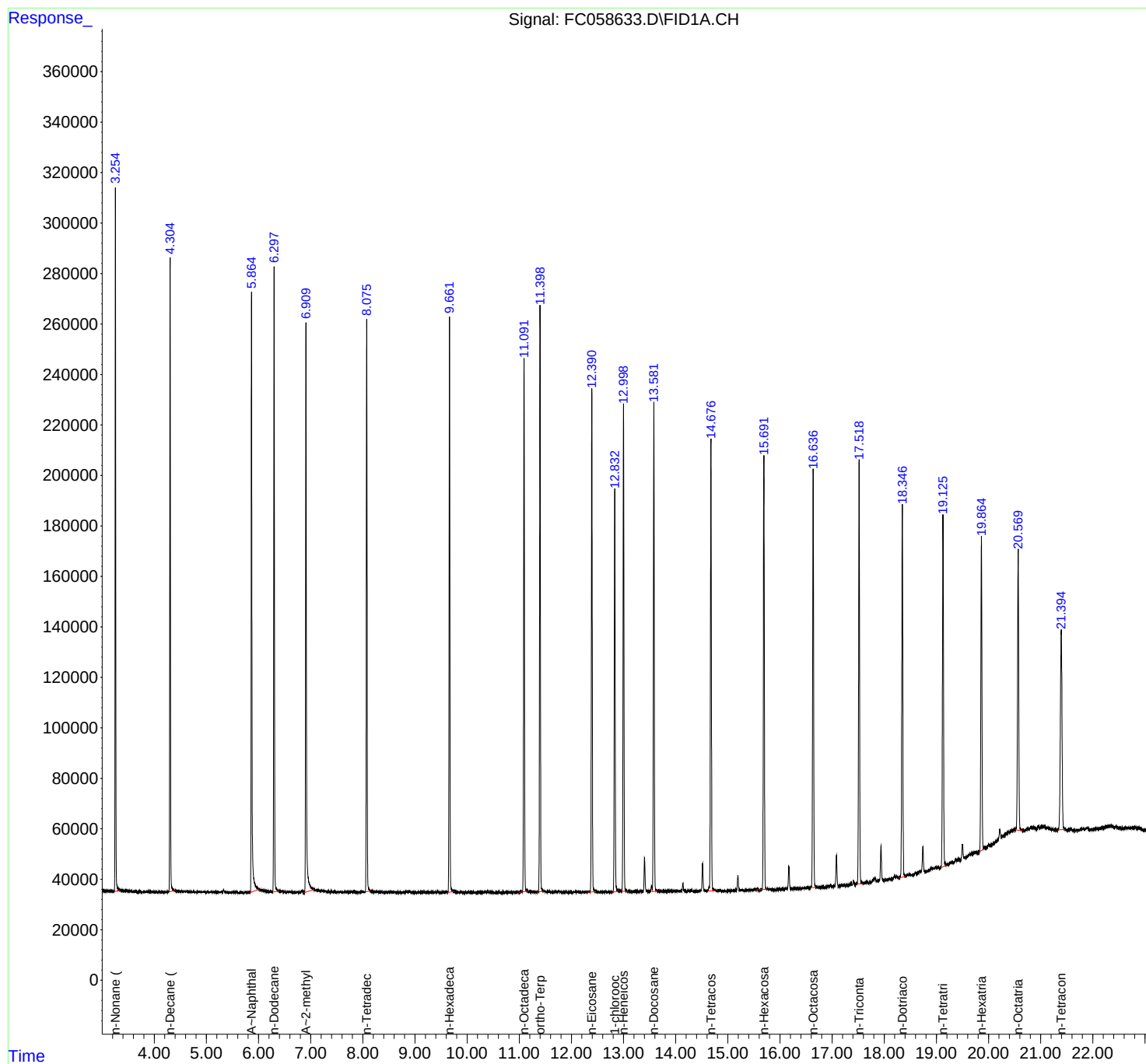
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20 PPM ALIPHATIC HC STD

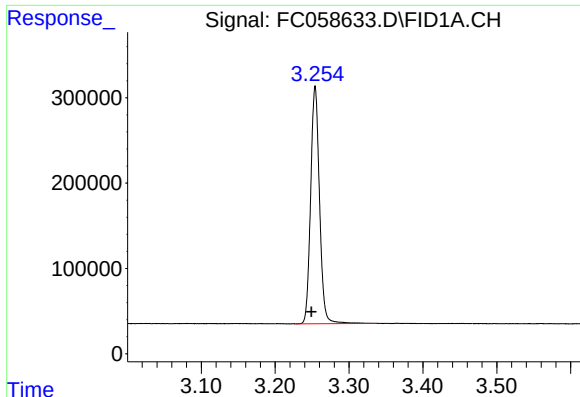
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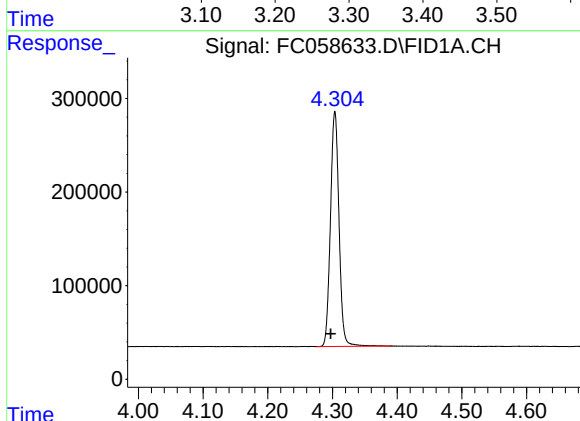
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.005 min
Response: 2318726
Conc: 19.28 ug/ml

Instrument :
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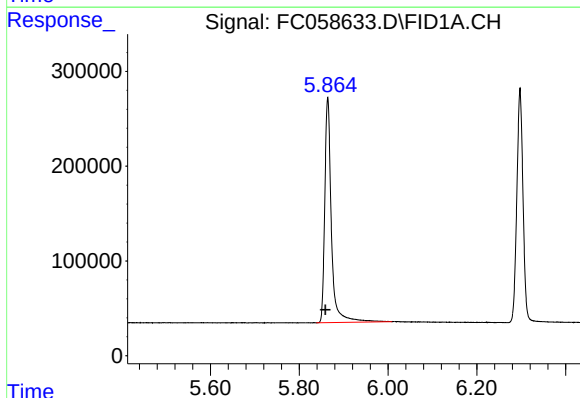
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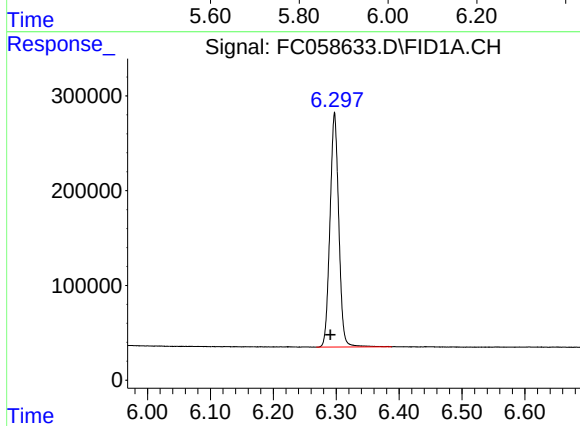
#2 n-Decane (C10)

R.T.: 4.304 min
Delta R.T.: 0.006 min
Response: 2309515
Conc: 19.41 ug/ml



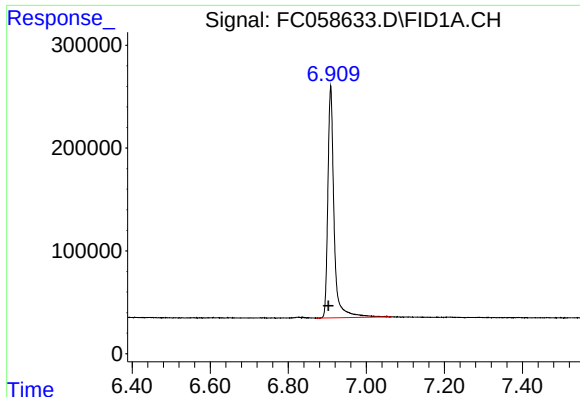
#3 A~Naphthalene (C11.7)

R.T.: 5.864 min
Delta R.T.: 0.005 min
Response: 2462490
Conc: 18.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.297 min
Delta R.T.: 0.006 min
Response: 2401776
Conc: 19.52 ug/ml



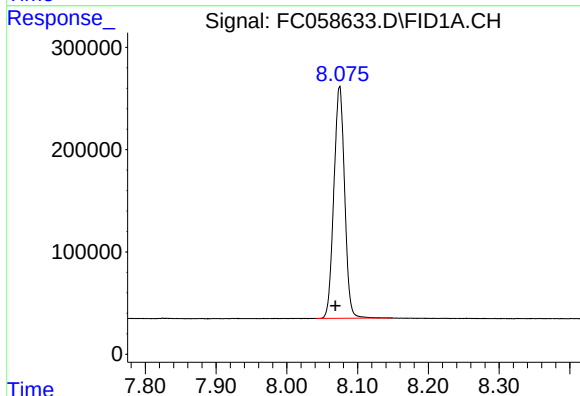
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.909 min
Delta R.T.: 0.006 min
Response: 2485654
Conc: 19.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

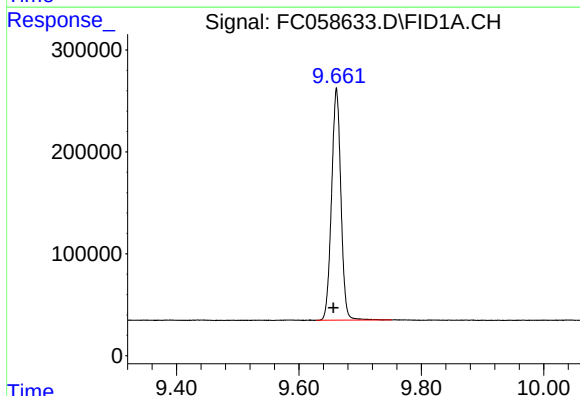
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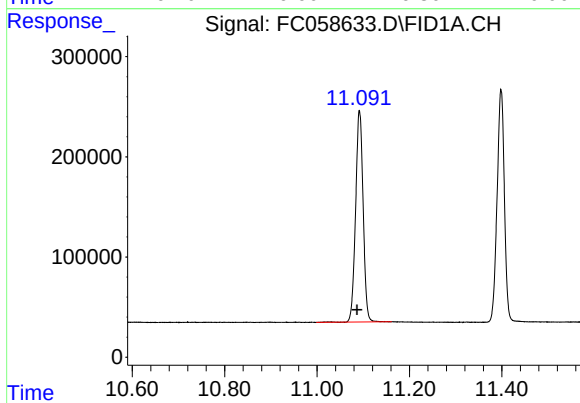
#6 n-Tetradecane (C14)

R.T.: 8.075 min
Delta R.T.: 0.006 min
Response: 2400758
Conc: 19.16 ug/ml



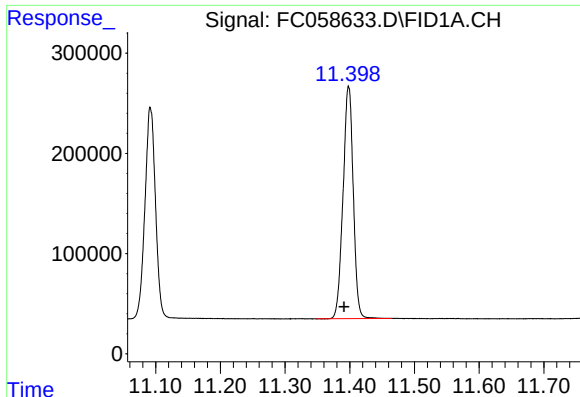
#7 n-Hexadecane (C16)

R.T.: 9.661 min
Delta R.T.: 0.005 min
Response: 2413391
Conc: 18.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.092 min
Delta R.T.: 0.005 min
Response: 2390633
Conc: 18.17 ug/ml



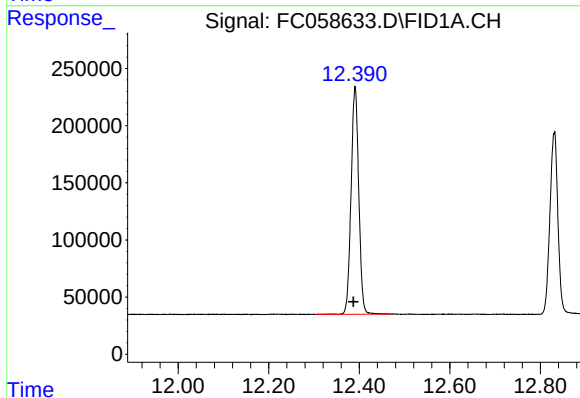
#9 ortho-Terphenyl (SURR)

R.T.: 11.398 min
Delta R.T.: 0.007 min
Response: 2548667
Conc: 17.50 ug/ml

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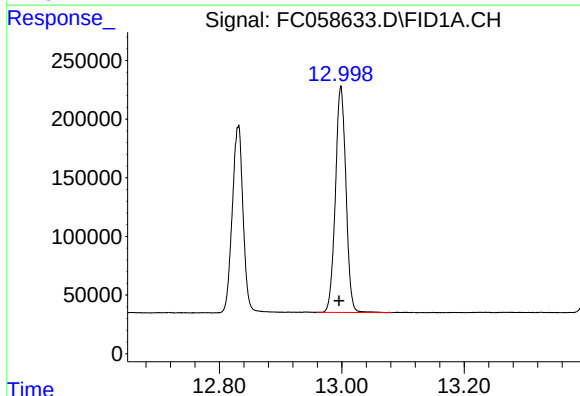
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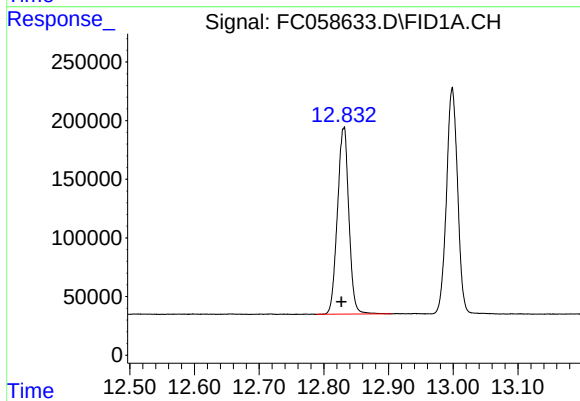
#10 n-Eicosane (C20)

R.T.: 12.391 min
Delta R.T.: 0.003 min
Response: 2345554
Conc: 17.84 ug/ml



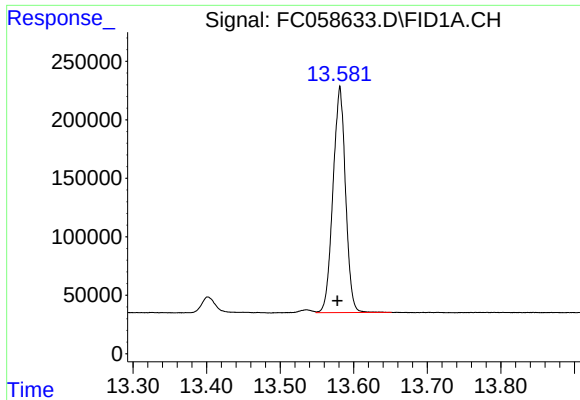
#11 n-Heneicosane (C21)

R.T.: 12.998 min
Delta R.T.: 0.003 min
Response: 2303418
Conc: 17.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.830 min
Delta R.T.: 0.004 min
Response: 1954107
Conc: 17.24 ug/ml



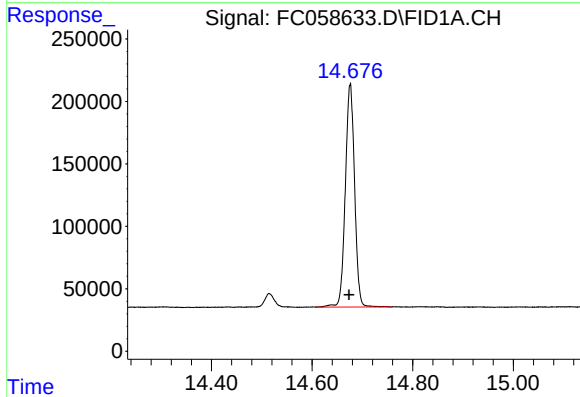
#13 n-Docosane (C22)

R.T.: 13.581 min
Delta R.T.: 0.003 min
Response: 2293259
Conc: 17.59 ug/ml

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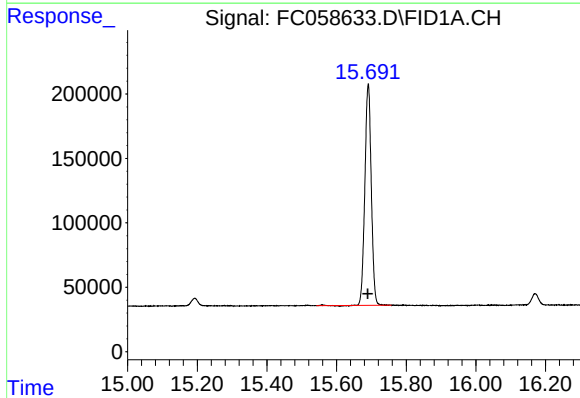
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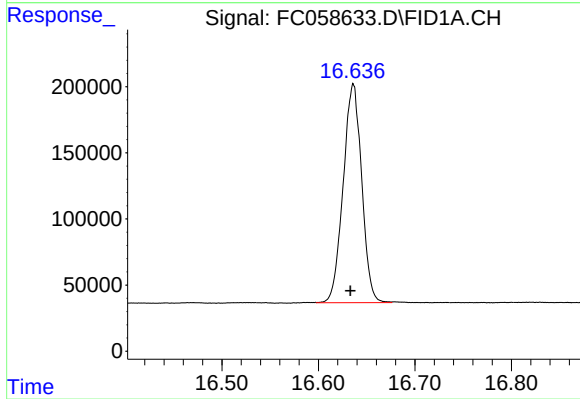
#14 n-Tetracosane (C24)

R.T.: 14.676 min
Delta R.T.: 0.002 min
Response: 2285823
Conc: 17.70 ug/ml



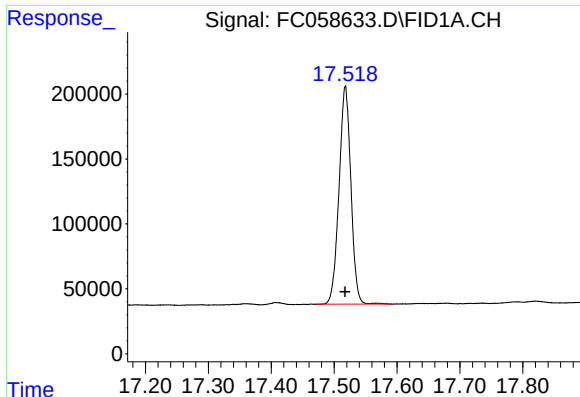
#15 n-Hexacosane (C26)

R.T.: 15.691 min
Delta R.T.: 0.001 min
Response: 2195012
Conc: 17.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.636 min
Delta R.T.: 0.003 min
Response: 2200672
Conc: 18.49 ug/ml m



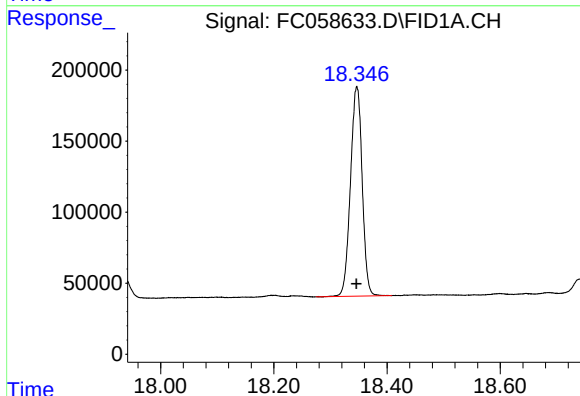
#17 n-Tricontane (C30)

R.T.: 17.518 min
Delta R.T.: 0.000 min
Response: 2202124
Conc: 19.56 ug/ml

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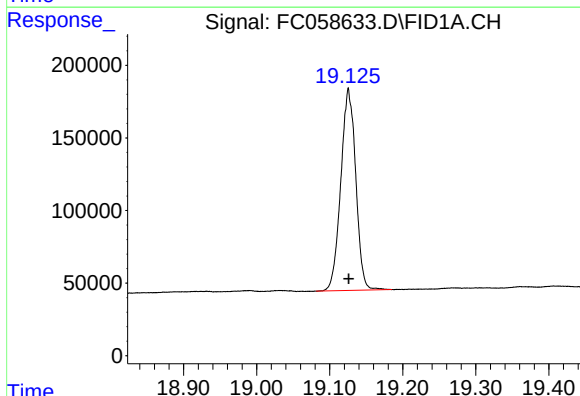
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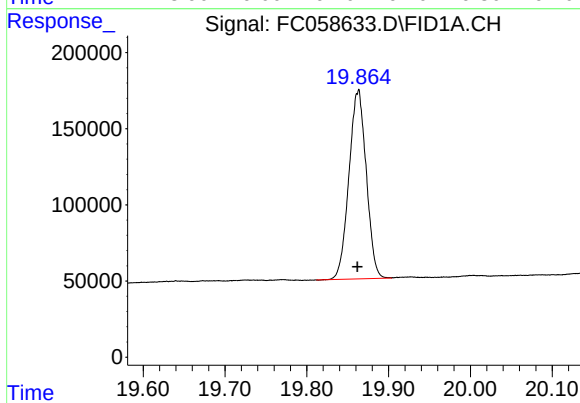
#18 n-Dotriacontane (C32)

R.T.: 18.347 min
Delta R.T.: 0.000 min
Response: 2119460
Conc: 19.71 ug/ml



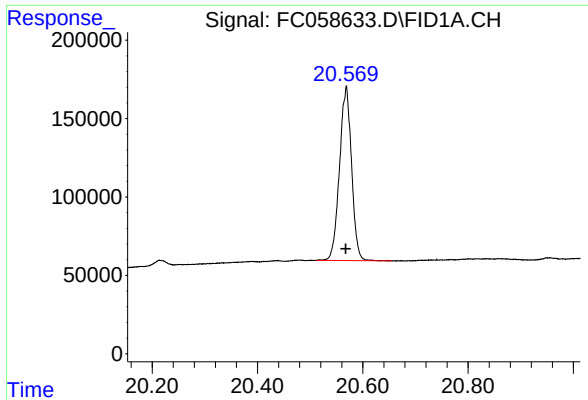
#19 n-Tetratriacontane (C34)

R.T.: 19.126 min
Delta R.T.: 0.000 min
Response: 1977627
Conc: 20.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.863 min
Delta R.T.: 0.000 min
Response: 1822528
Conc: 20.20 ug/ml



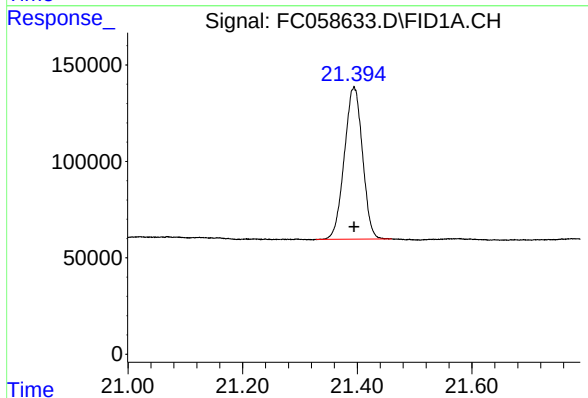
#21 n-Octatriacontane (C38)

R.T.: 20.568 min
Delta R.T.: 0.000 min
Response: 1757555
Conc: 20.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.394 min
Delta R.T.: 0.000 min
Response: 1732205
Conc: 20.64 ug/ml