

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032221AL\
 Data File : FC052632.D
 Signal(s) : FID1A.CH
 Acq On : 23 Mar 2021 4:39
 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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 3/23/2021 12:10:58 PM

Integration File: autoint1.e
 Quant Time: Mar 23 07:50:47 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 031721.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 17 03:47:28 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)	11.568	2650342	19.773 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
12) S 1-chlorooctadecane (S...	13.005	2063308	19.130 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
Target Compounds			
1) T n-Nonane (C9)	3.326	2492017	21.455 ug/ml
2) T n-Decane (C10)	4.392	2537722	21.656 ug/ml
3) T A~Naphthalene (C11.7)	5.979	2815678	21.506 ug/ml
4) T n-Dodecane (C12)	6.412	2607426	21.717 ug/ml
5) T A~2-methylnaphthalene...	7.037	2882185	21.531 ug/ml
6) T n-Tetradecane (C14)	8.209	2597617	21.478 ug/ml
7) T n-Hexadecane (C16)	9.810	2535595	21.082 ug/ml
8) T n-Octadecane (C18)	11.252	2574676	20.406 ug/ml
10) T n-Eicosane (C20)	12.561	2493429	19.527 ug/ml
11) T n-Heneicosane (C21)	13.173	2435453	19.161 ug/ml
13) T n-Docosane (C22)	13.759	2373317	18.735 ug/ml
14) T n-Tetracosane (C24)	14.861	2247906	17.995 ug/ml
15) T n-Hexacosane (C26)	15.881	2109435	17.518 ug/ml
16) T n-Octacosane (C28)	16.830	2014100	17.469 ug/ml
17) T n-Tricontane (C30)	17.717	1959433	17.985 ug/ml
18) T n-Dotriacontane (C32)	18.550	1908144	19.017 ug/ml
19) T n-Tetratriacontane (C34)	19.331	1858494	20.219 ug/mlm
20) T n-Hexatriacontane (C36)	20.070	1799951	19.739 ug/ml
21) T n-Octatriacontane (C38)	20.802	1825230	22.364 ug/mlm
22) T n-Tetracontane (C40)	21.705	1916201	22.245 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 23 Mar 2021 4:39
Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

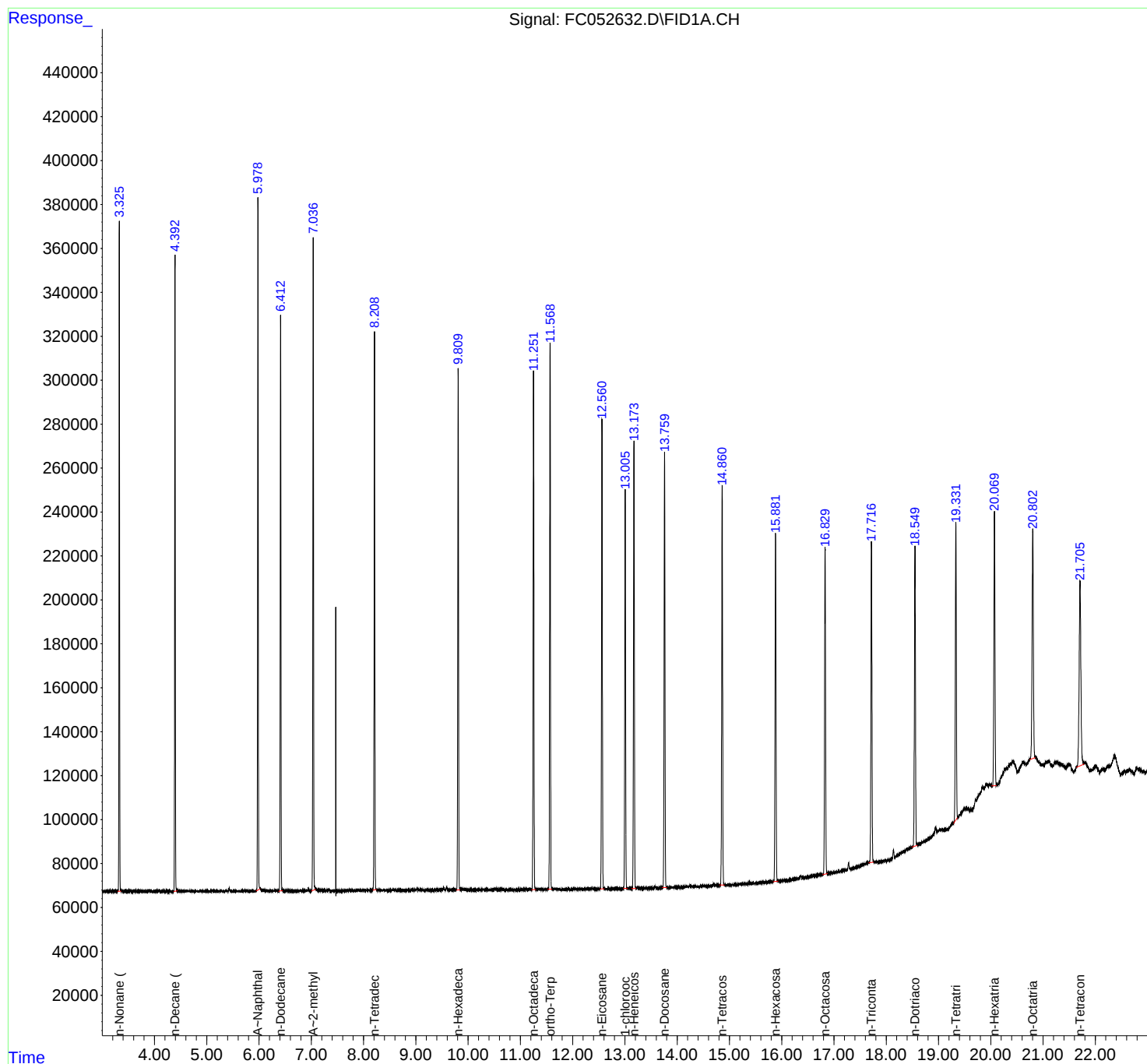
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

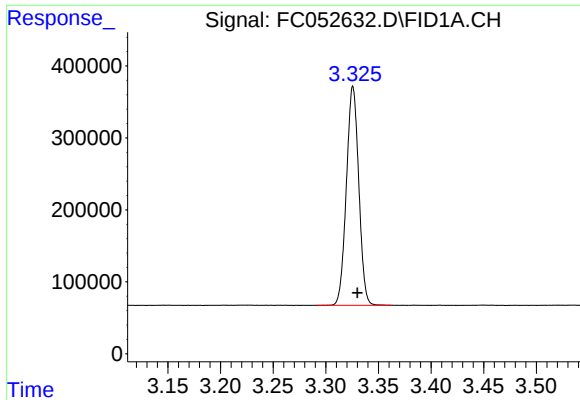
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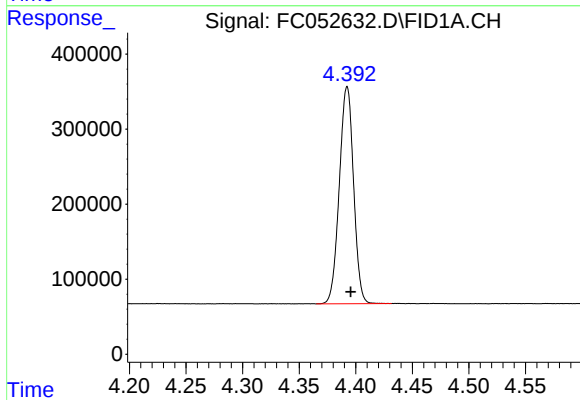
#1 n-Nonane (C9)

R.T.: 3.326 min
Delta R.T.: -0.004 min
Response: 2492017
Conc: 21.46 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

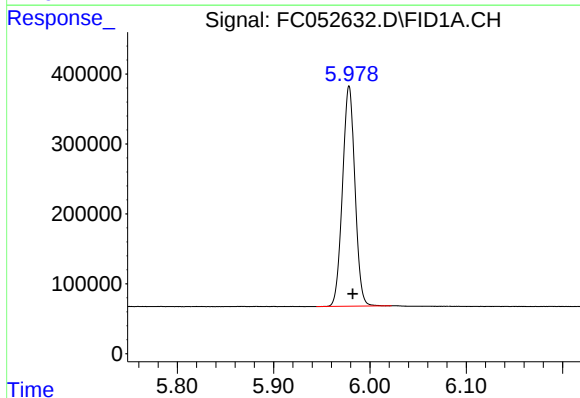
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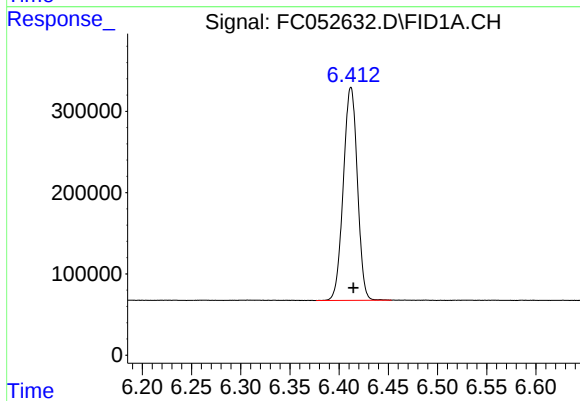
#2 n-Decane (C10)

R.T.: 4.392 min
Delta R.T.: -0.003 min
Response: 2537722
Conc: 21.66 ug/ml



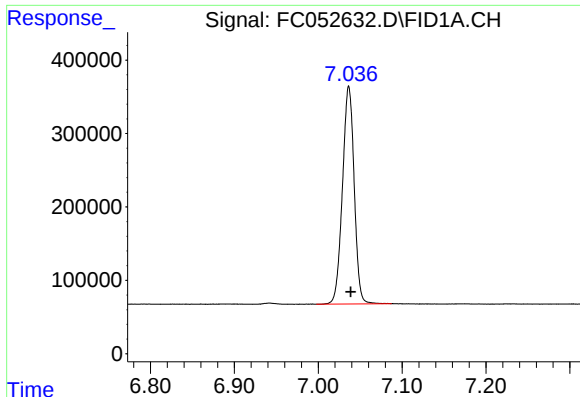
#3 A~Naphthalene (C11.7)

R.T.: 5.979 min
Delta R.T.: -0.003 min
Response: 2815678
Conc: 21.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.412 min
Delta R.T.: -0.003 min
Response: 2607426
Conc: 21.72 ug/ml



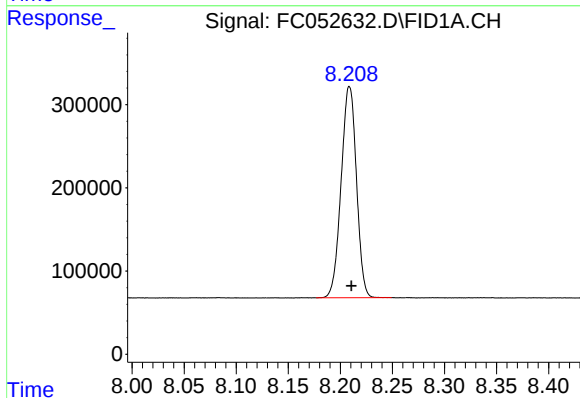
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.037 min
Delta R.T.: -0.002 min
Response: 2882185
Conc: 21.53 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

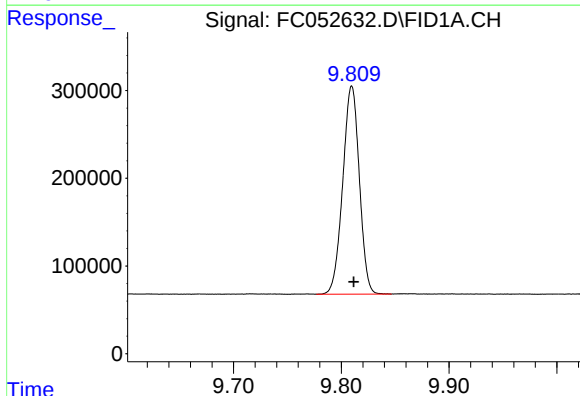
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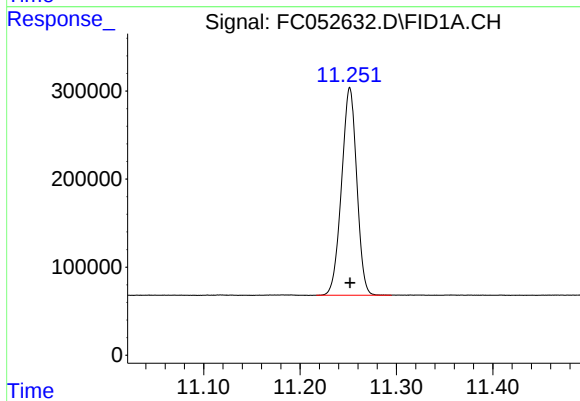
#6 n-Tetradecane (C14)

R.T.: 8.209 min
Delta R.T.: -0.002 min
Response: 2597617
Conc: 21.48 ug/ml



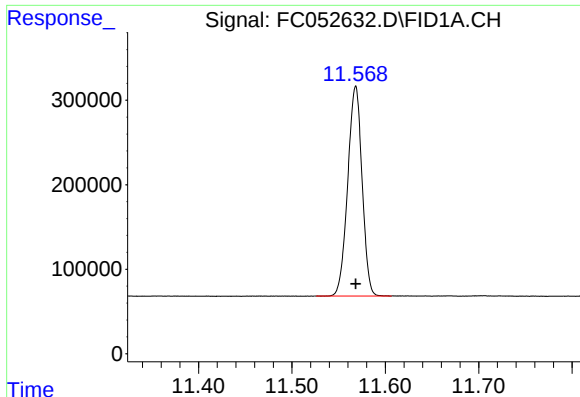
#7 n-Hexadecane (C16)

R.T.: 9.810 min
Delta R.T.: -0.002 min
Response: 2535595
Conc: 21.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.252 min
Delta R.T.: 0.000 min
Response: 2574676
Conc: 20.41 ug/ml



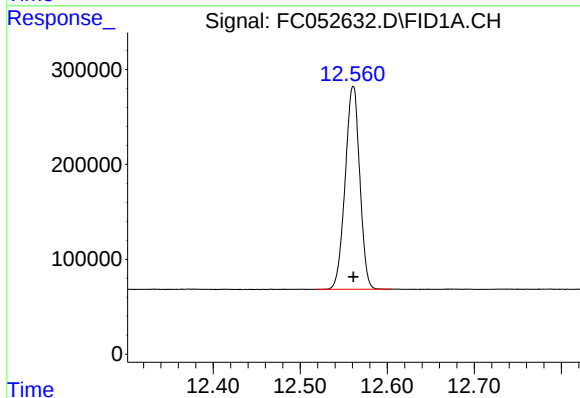
#9 ortho-Terphenyl (SURR)

R.T.: 11.568 min
Delta R.T.: 0.000 min
Response: 2650342
Conc: 19.77 ug/ml

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20 PPM ALIPHATIC HC STD

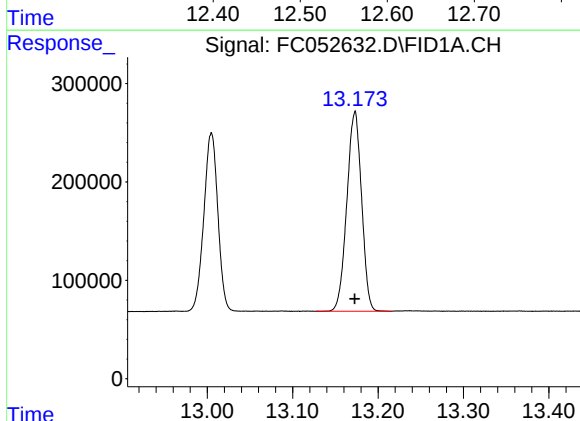
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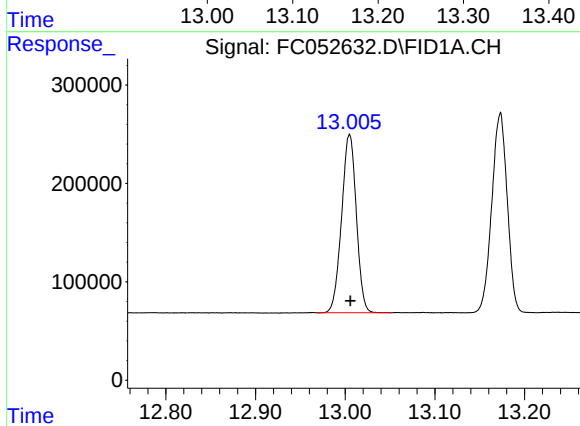
#10 n-Eicosane (C20)

R.T.: 12.561 min
Delta R.T.: 0.000 min
Response: 2493429
Conc: 19.53 ug/ml



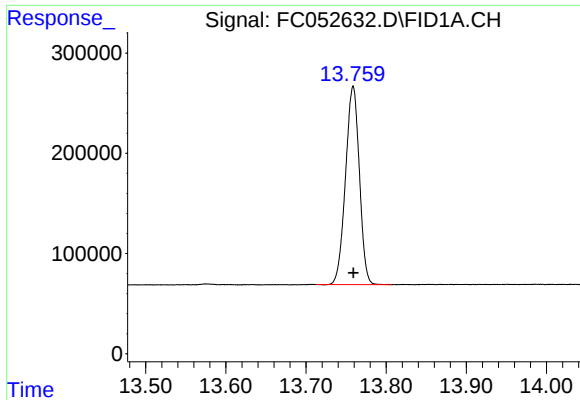
#11 n-Heneicosane (C21)

R.T.: 13.173 min
Delta R.T.: 0.000 min
Response: 2435453
Conc: 19.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.005 min
Delta R.T.: -0.001 min
Response: 2063308
Conc: 19.13 ug/ml



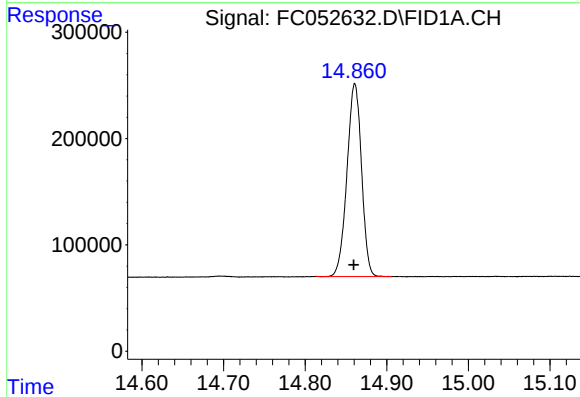
#13 n-Docosane (C22)

R.T.: 13.759 min
Delta R.T.: 0.000 min
Response: 2373317
Conc: 18.73 ug/ml

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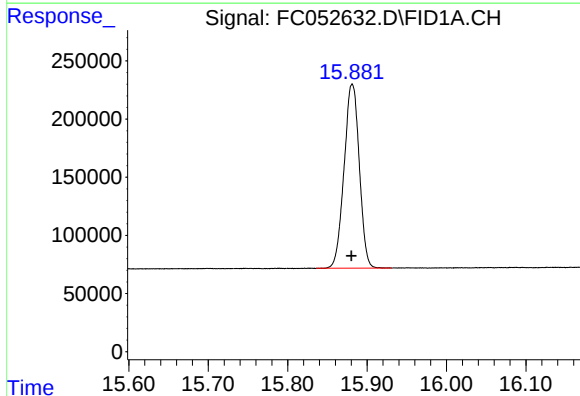
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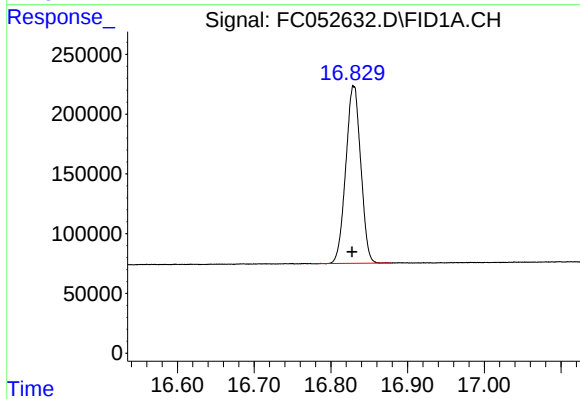
#14 n-Tetracosane (C24)

R.T.: 14.861 min
Delta R.T.: 0.001 min
Response: 2247906
Conc: 17.99 ug/ml



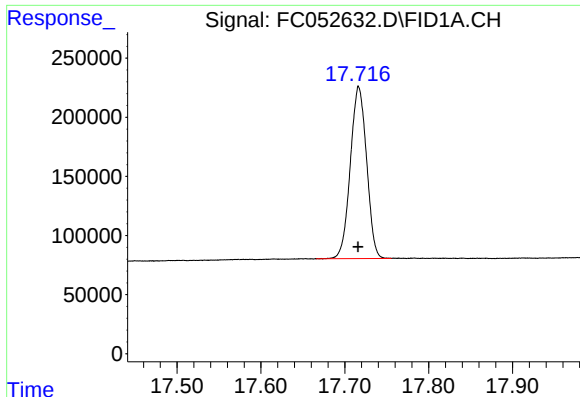
#15 n-Hexacosane (C26)

R.T.: 15.881 min
Delta R.T.: 0.000 min
Response: 2109435
Conc: 17.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: 0.002 min
Response: 2014100
Conc: 17.47 ug/ml



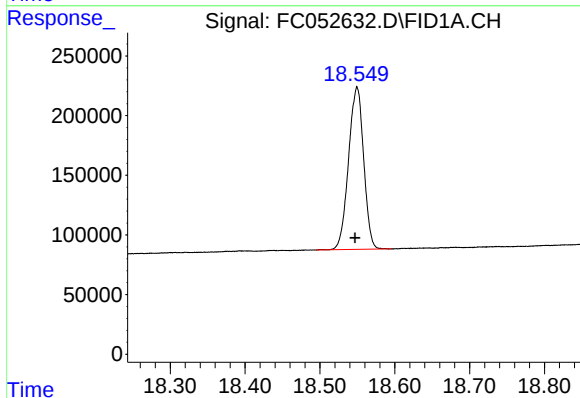
#17 n-Tricontane (C30)

R.T.: 17.717 min
Delta R.T.: 0.000 min
Response: 1959433
Conc: 17.98 ug/ml

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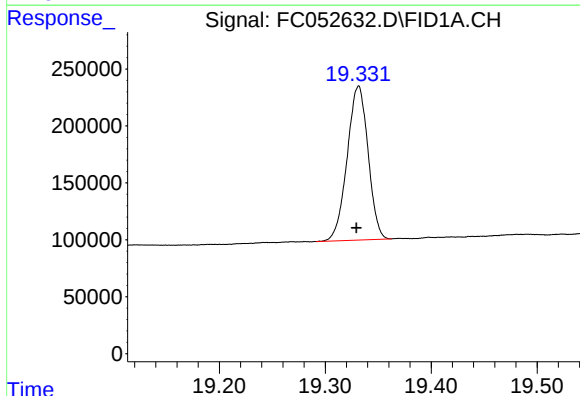
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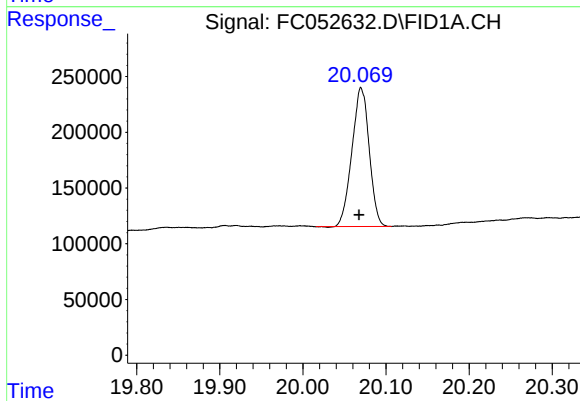
#18 n-Dotriacontane (C32)

R.T.: 18.550 min
Delta R.T.: 0.003 min
Response: 1908144
Conc: 19.02 ug/ml



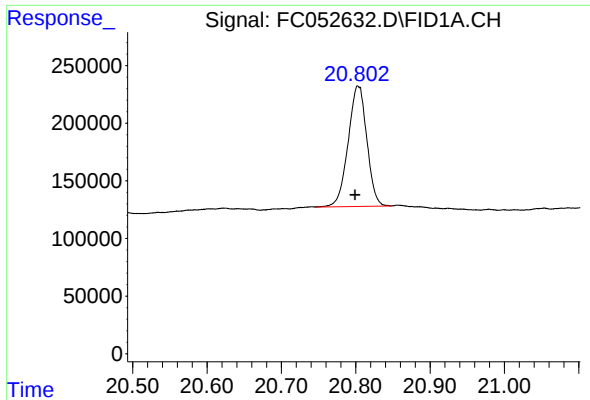
#19 n-Tetratriacontane (C34)

R.T.: 19.331 min
Delta R.T.: 0.002 min
Response: 1858494
Conc: 20.22 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.070 min
Delta R.T.: 0.002 min
Response: 1799951
Conc: 19.74 ug/ml



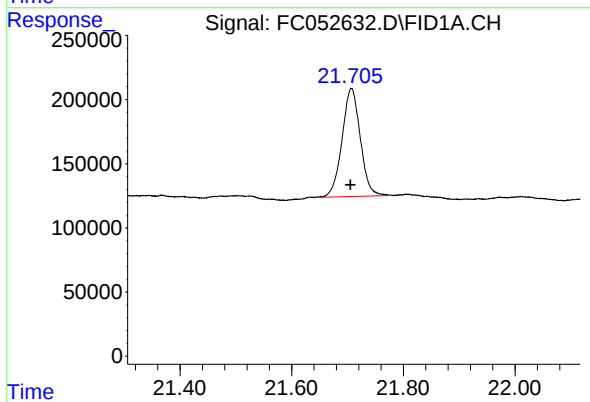
#21 n-Octatriacontane (C38)

R.T.: 20.802 min
Delta R.T.: 0.003 min
Response: 1825230
Conc: 22.36 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.705 min
Delta R.T.: 0.000 min
Response: 1916201
Conc: 22.25 ug/ml m