

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072321AL\
 Data File : FC054839.D
 Signal(s) : FID1A.CH
 Acq On : 24 Jul 2021 5:44
 Operator : AJ\MA
 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

mohammad
 7/26/2021 11:56:10 AM

Integration File: autoint1.e
 Quant Time: Jul 24 06:23:01 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 072121.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 21 03:37:32 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)	11.309	2948274	21.196 ug/ml
Spiked Amount 50.000		Recovery =	42.39%
12) S 1-chlorooctadecane (S...	12.752	2325905	20.923 ug/ml
Spiked Amount 50.000		Recovery =	41.85%
Target Compounds			
1) T n-Nonane (C9)	3.130	2434690	21.219 ug/ml
2) T n-Decane (C10)	4.182	2484300	21.377 ug/ml
3) T A~Naphthalene (C11.7)	5.747	2656771	22.081 ug/ml
4) T n-Dodecane (C12)	6.187	2579934	21.586 ug/ml
5) T A~2-methylnaphthalene...	6.799	2667982	21.846 ug/ml
6) T n-Tetradecane (C14)	7.974	2656390	21.593 ug/ml
7) T n-Hexadecane (C16)	9.569	2704726	21.455 ug/ml
8) T n-Octadecane (C18)	11.006	2789243	21.279 ug/ml
10) T n-Eicosane (C20)	12.311	2763989	20.977 ug/ml
11) T n-Heneicosane (C21)	12.921	2779099	20.867 ug/ml
13) T n-Docosane (C22)	13.506	2738404	20.679 ug/ml
14) T n-Tetracosane (C24)	14.606	2711776	20.568 ug/ml
15) T n-Hexacosane (C26)	15.624	2569285	19.976 ug/ml
16) T n-Octacosane (C28)	16.574	2465153	18.717 ug/ml
17) T n-Tricontane (C30)	17.459	2354381	16.545 ug/ml
18) T n-Dotriacontane (C32)	18.290	2250125	18.182 ug/ml
19) T n-Tetratriacontane (C34)	19.073	2167708	21.170 ug/ml
20) T n-Hexatriacontane (C36)	19.812	2091352	22.082 ug/ml
21) T n-Octatriacontane (C38)	20.515	2136089	22.941 ug/mlm
22) T n-Tetracontane (C40)	21.328	2121139	21.855 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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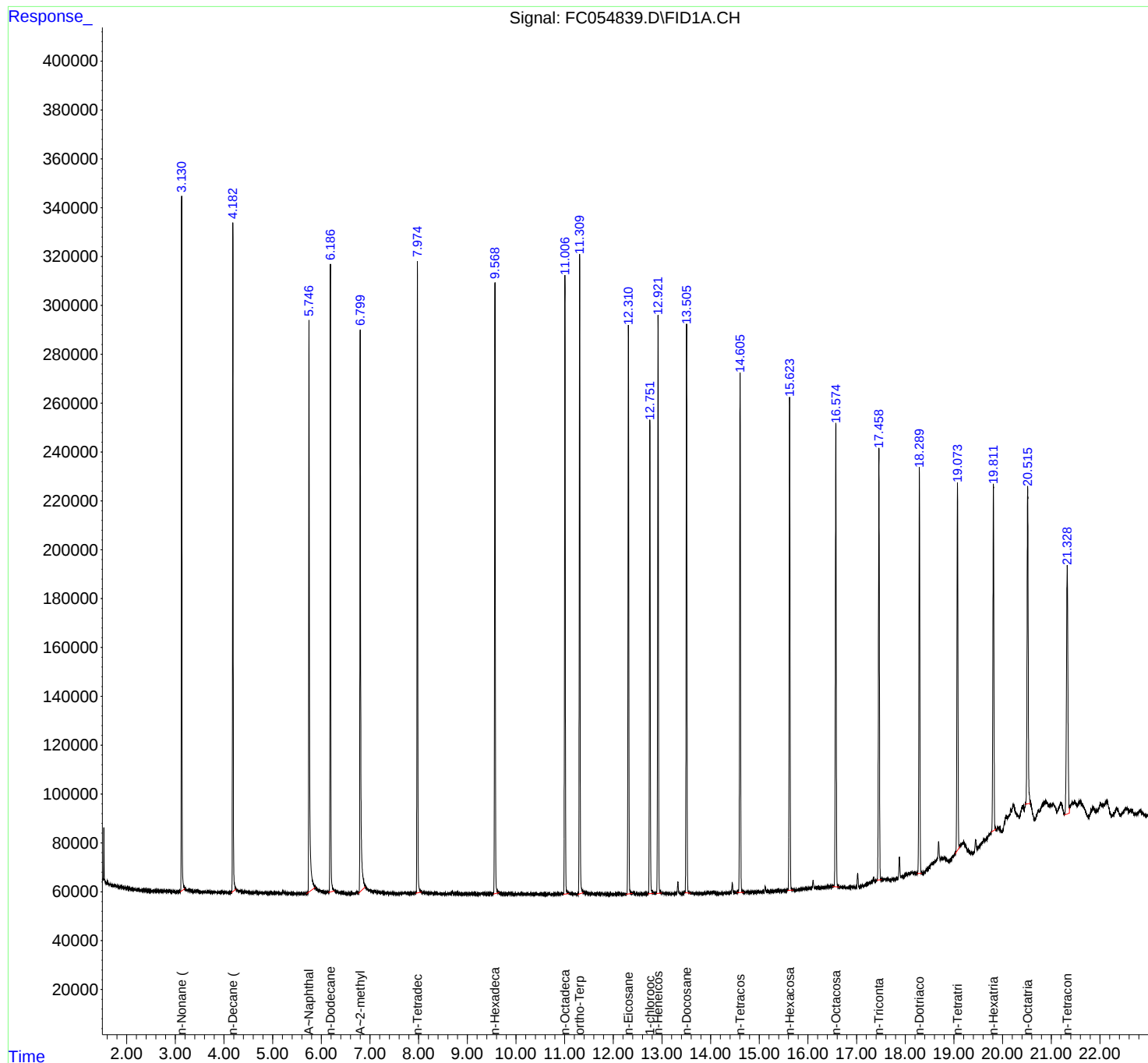
Instrument :
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20 PPM ALIPHATIC HC STD

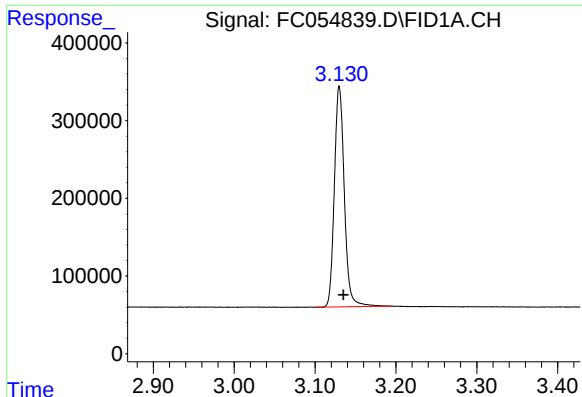
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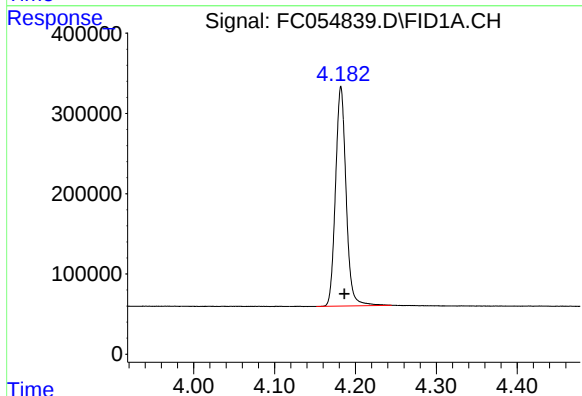
#1 n-Nonane (C9)

R.T.: 3.130 min
Delta R.T.: -0.005 min
Response: 2434690
Conc: 21.22 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

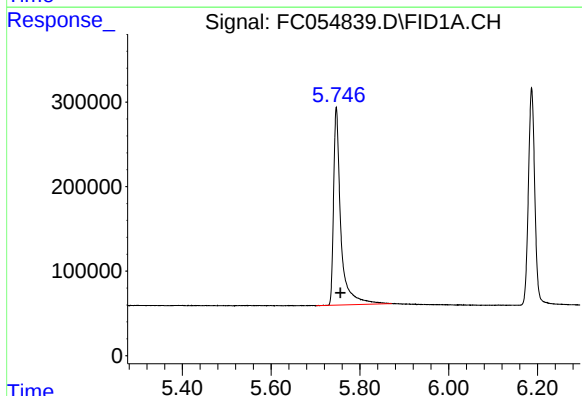
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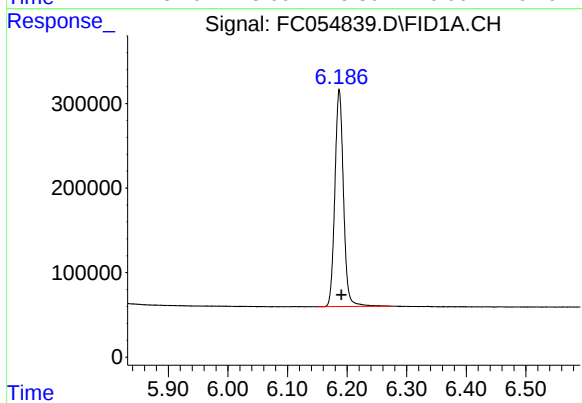
#2 n-Decane (C10)

R.T.: 4.182 min
Delta R.T.: -0.004 min
Response: 2484300
Conc: 21.38 ug/ml



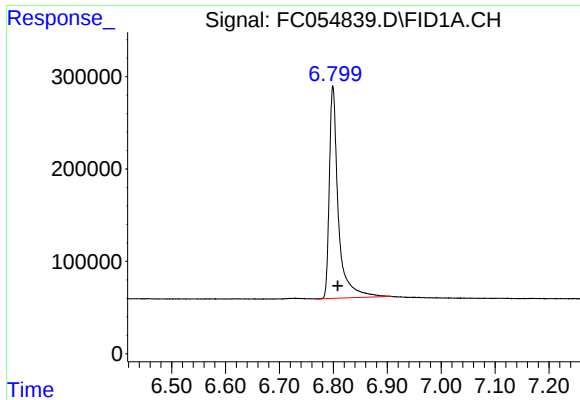
#3 A~Naphthalene (C11.7)

R.T.: 5.747 min
Delta R.T.: -0.009 min
Response: 2656771
Conc: 22.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.187 min
Delta R.T.: -0.004 min
Response: 2579934
Conc: 21.59 ug/ml



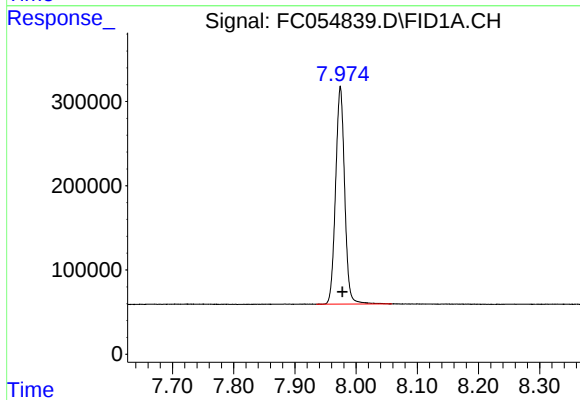
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.799 min
Delta R.T.: -0.009 min
Response: 2667982
Conc: 21.85 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

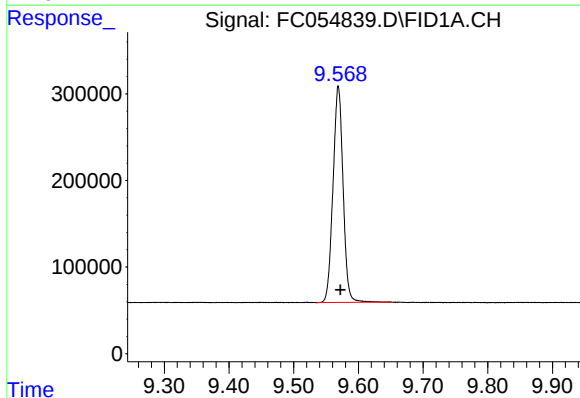
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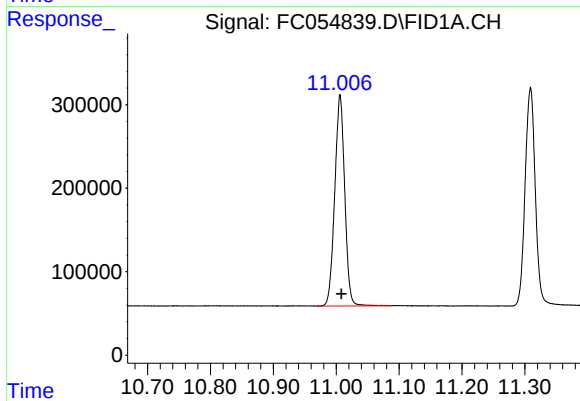
#6 n-Tetradecane (C14)

R.T.: 7.974 min
Delta R.T.: -0.003 min
Response: 2656390
Conc: 21.59 ug/ml



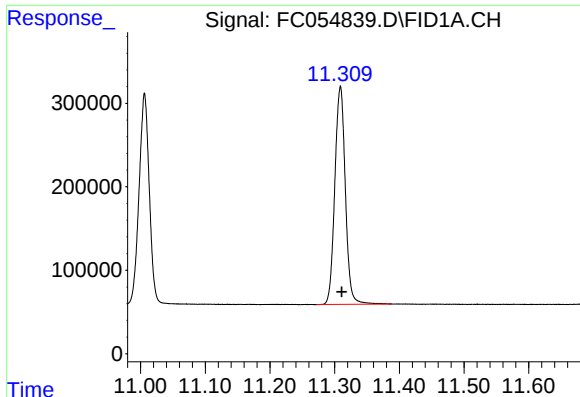
#7 n-Hexadecane (C16)

R.T.: 9.569 min
Delta R.T.: -0.003 min
Response: 2704726
Conc: 21.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.006 min
Delta R.T.: -0.003 min
Response: 2789243
Conc: 21.28 ug/ml



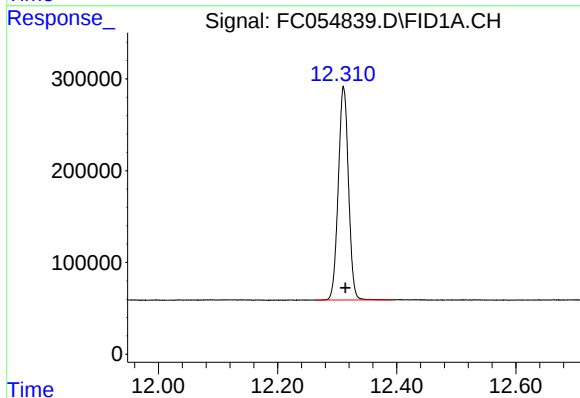
#9 ortho-Terphenyl (SURR)

R.T.: 11.309 min
Delta R.T.: -0.003 min
Response: 2948274
Conc: 21.20 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

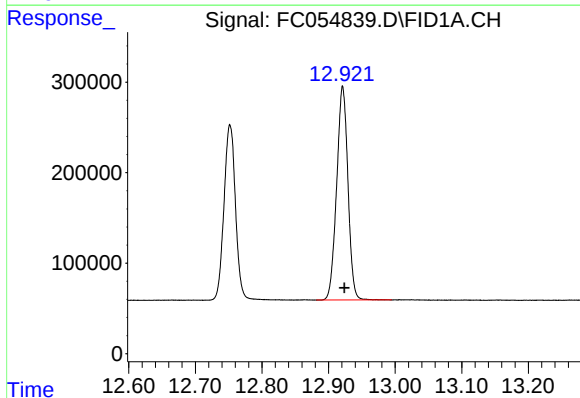
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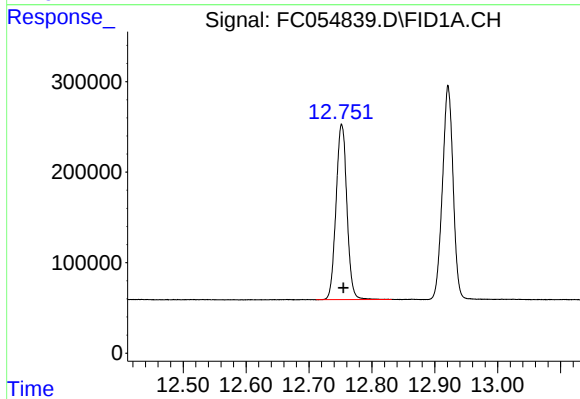
#10 n-Eicosane (C20)

R.T.: 12.311 min
Delta R.T.: -0.003 min
Response: 2763989
Conc: 20.98 ug/ml



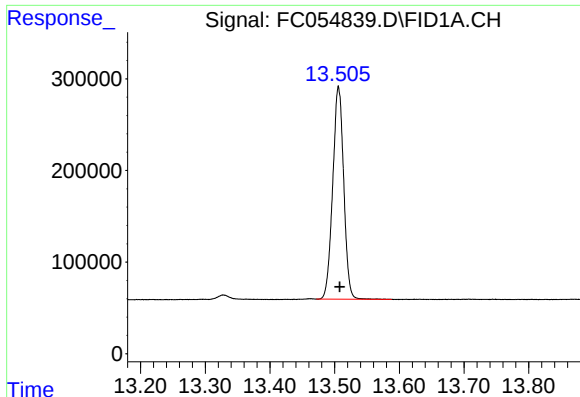
#11 n-Heneicosane (C21)

R.T.: 12.921 min
Delta R.T.: -0.003 min
Response: 2779099
Conc: 20.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.752 min
Delta R.T.: -0.003 min
Response: 2325905
Conc: 20.92 ug/ml



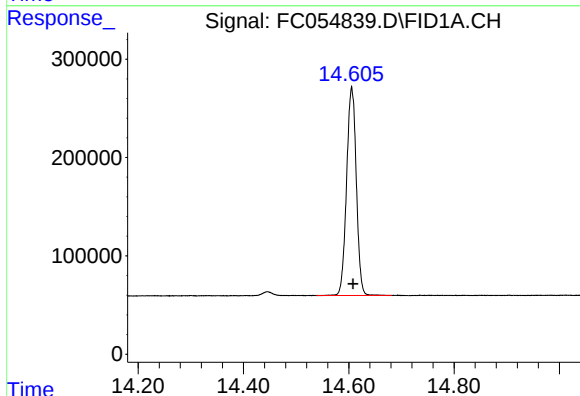
#13 n-Docosane (C22)

R.T.: 13.506 min
Delta R.T.: -0.002 min
Response: 2738404
Conc: 20.68 ug/ml

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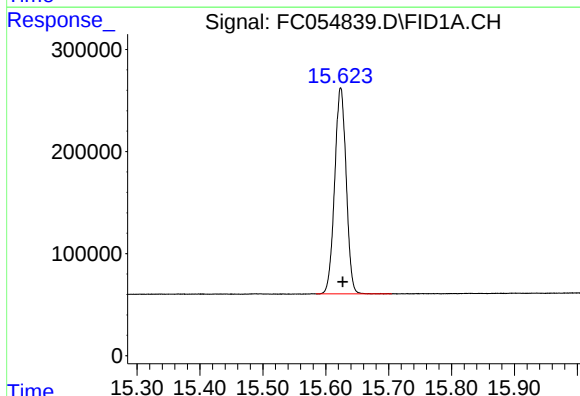
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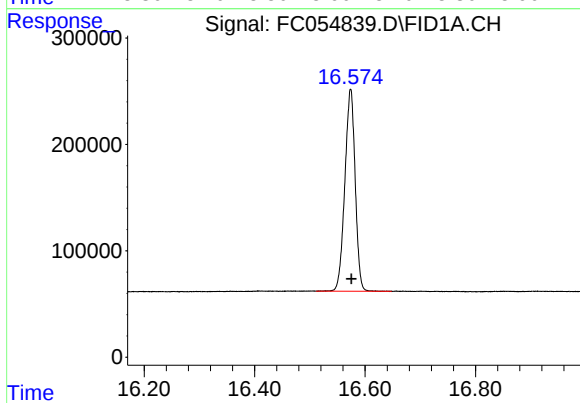
#14 n-Tetracosane (C24)

R.T.: 14.606 min
Delta R.T.: -0.003 min
Response: 2711776
Conc: 20.57 ug/ml



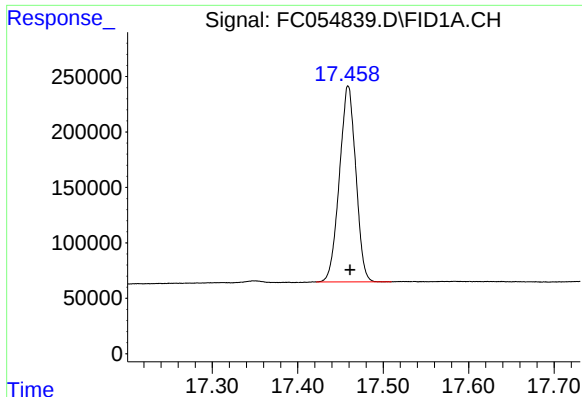
#15 n-Hexacosane (C26)

R.T.: 15.624 min
Delta R.T.: -0.003 min
Response: 2569285
Conc: 19.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.574 min
Delta R.T.: -0.001 min
Response: 2465153
Conc: 18.72 ug/ml



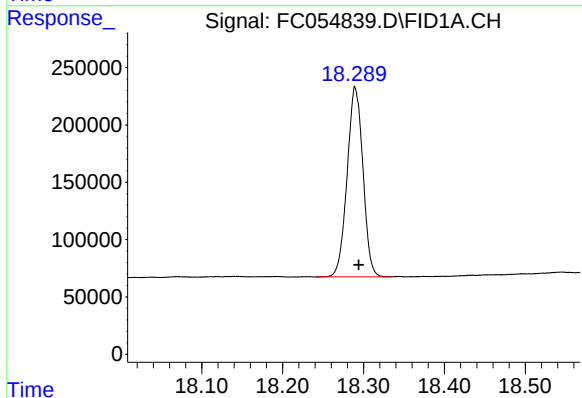
#17 n-Tricontane (C30)

R.T.: 17.459 min
Delta R.T.: -0.002 min
Response: 2354381
Conc: 16.54 ug/ml

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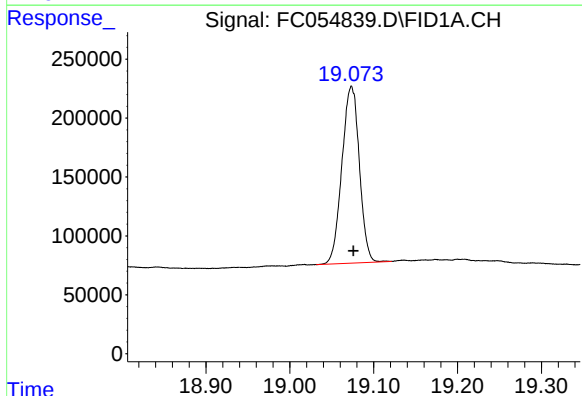
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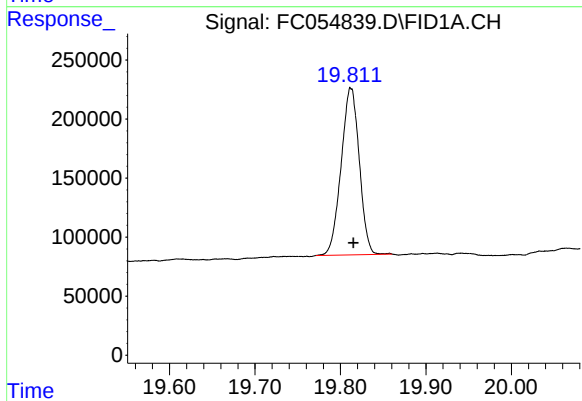
#18 n-Dotriacontane (C32)

R.T.: 18.290 min
Delta R.T.: -0.004 min
Response: 2250125
Conc: 18.18 ug/ml



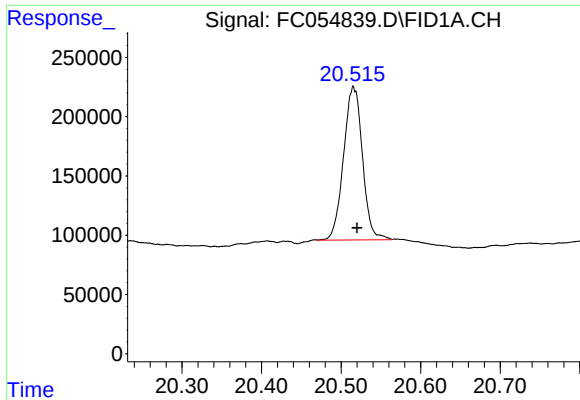
#19 n-Tetratriacontane (C34)

R.T.: 19.073 min
Delta R.T.: -0.002 min
Response: 2167708
Conc: 21.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.812 min
Delta R.T.: -0.003 min
Response: 2091352
Conc: 22.08 ug/ml



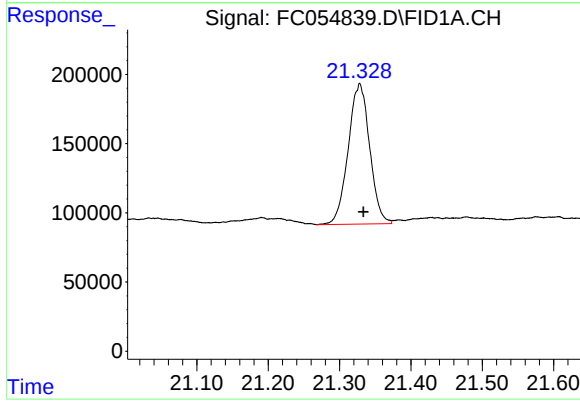
#21 n-Octatriacontane (C38)

R.T.: 20.515 min
Delta R.T.: -0.005 min
Response: 2136089
Conc: 22.94 ug/ml m

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.328 min
Delta R.T.: -0.006 min
Response: 2121139
Conc: 21.85 ug/ml m