

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072221AL\
 Data File : FC054777.D
 Signal(s) : FID1A.CH
 Acq On : 22 Jul 2021 10:45
 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
 7/23/2021 4:30:10 PM

Integration File: autoint1.e
 Quant Time: Jul 23 02:03:41 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)	11.310	2903039	20.870 ug/ml
Spiked Amount 50.000		Recovery =	41.74%
12) S 1-chlorooctadecane (S...	12.753	2305519	20.740 ug/ml
Spiked Amount 50.000		Recovery =	41.48%
Target Compounds			
1) T n-Nonane (C9)	3.133	2376650	20.713 ug/ml
2) T n-Decane (C10)	4.184	2427422	20.888 ug/ml
3) T A~Naphthalene (C11.7)	5.749	2561113	21.286 ug/ml
4) T n-Dodecane (C12)	6.188	2485114	20.792 ug/ml
5) T A~2-methylnaphthalene...	6.801	2593669	21.238 ug/ml
6) T n-Tetradecane (C14)	7.975	2569540	20.887 ug/ml
7) T n-Hexadecane (C16)	9.570	2630358	20.865 ug/ml
8) T n-Octadecane (C18)	11.008	2729981	20.827 ug/ml
10) T n-Eicosane (C20)	12.312	2732468	20.738 ug/ml
11) T n-Heneicosane (C21)	12.923	2770037	20.799 ug/ml
13) T n-Docosane (C22)	13.507	2740080	20.691 ug/ml
14) T n-Tetracosane (C24)	14.606	2766236	20.981 ug/ml
15) T n-Hexacosane (C26)	15.625	2655008	20.642 ug/ml
16) T n-Octacosane (C28)	16.572	2563549	19.464 ug/ml
17) T n-Tricontane (C30)	17.457	2395217	16.832 ug/ml
18) T n-Dotriacontane (C32)	18.289	2251265	18.191 ug/ml
19) T n-Tetratriacontane (C34)	19.071	2064374	20.161 ug/ml
20) T n-Hexatriacontane (C36)	19.811	1994030	21.055 ug/mlm
21) T n-Octatriacontane (C38)	20.514	1955871	21.006 ug/ml
22) T n-Tetracontane (C40)	21.326	2216114	22.833 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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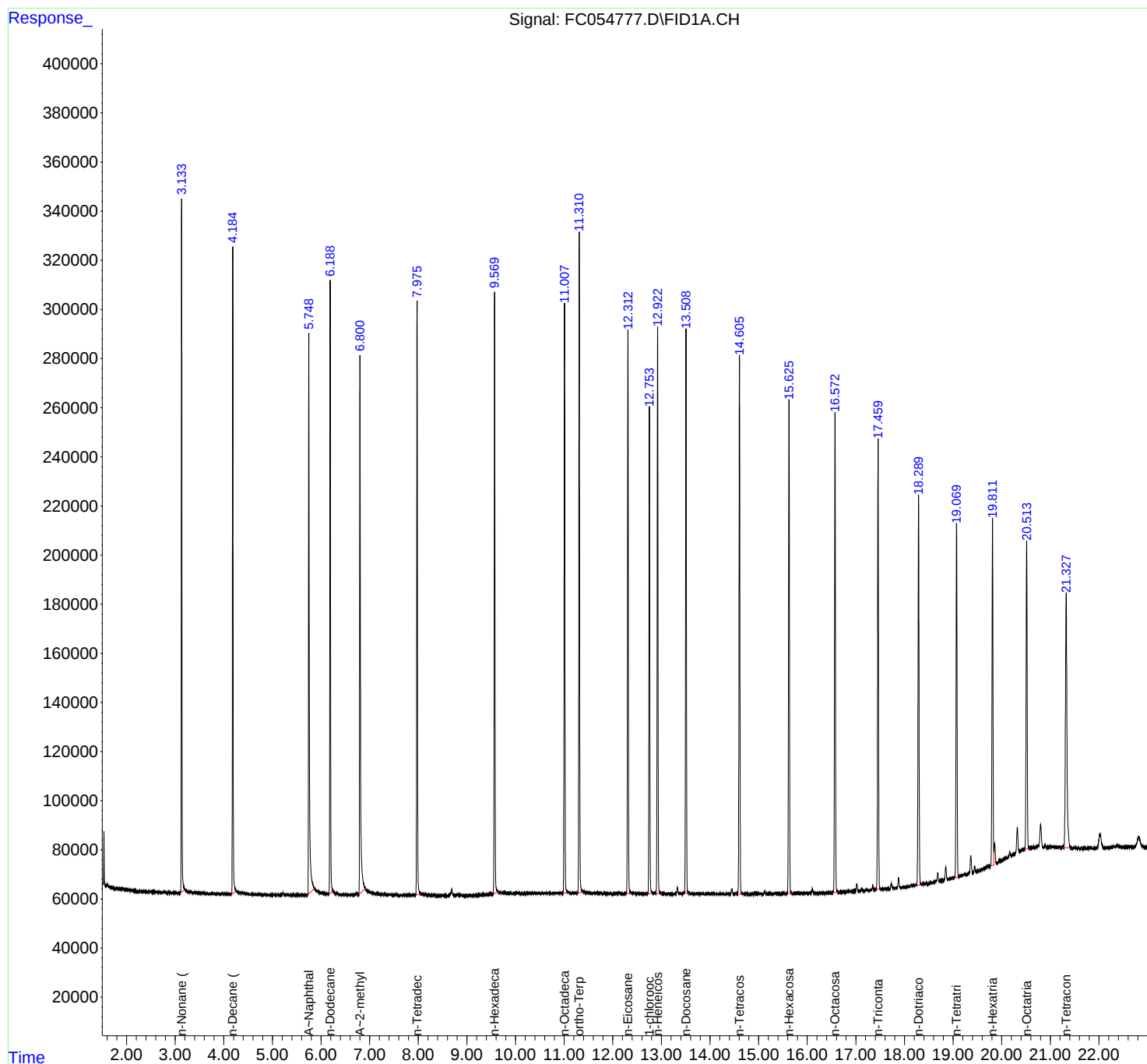
Instrument :
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20 PPM ALIPHATIC HC STD

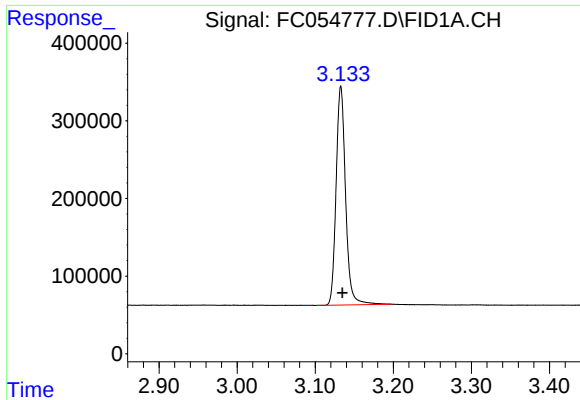
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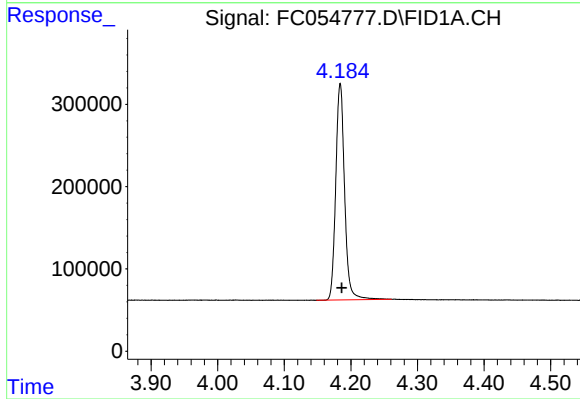
#1 n-Nonane (C9)

R.T.: 3.133 min
Delta R.T.: -0.002 min
Response: 2376650
Conc: 20.71 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

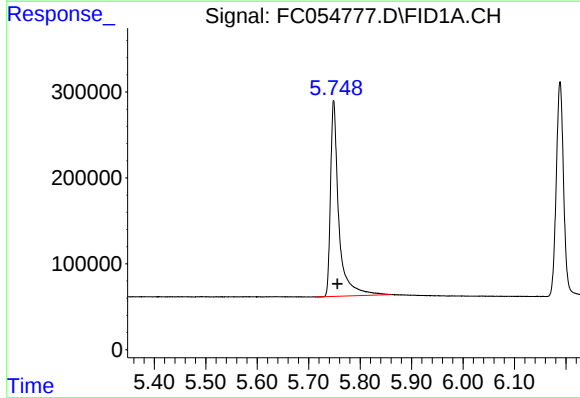
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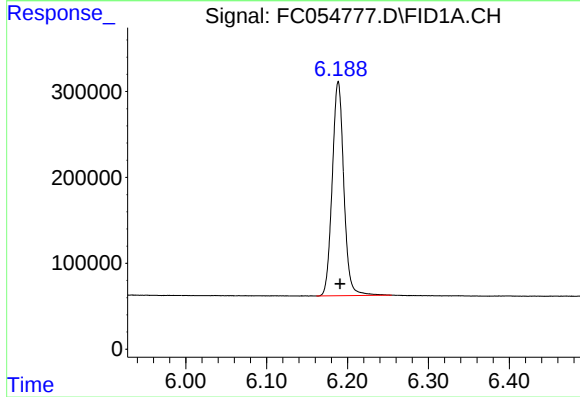
#2 n-Decane (C10)

R.T.: 4.184 min
Delta R.T.: -0.002 min
Response: 2427422
Conc: 20.89 ug/ml



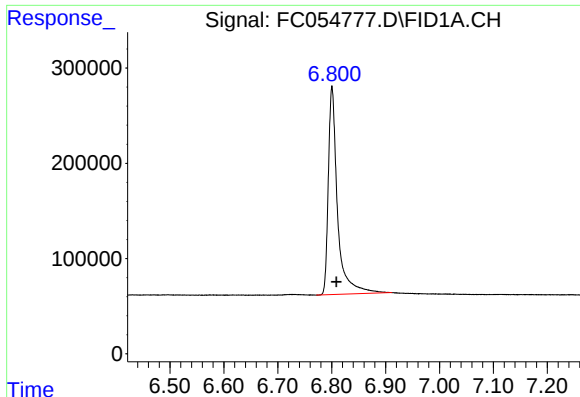
#3 A~Naphthalene (C11.7)

R.T.: 5.749 min
Delta R.T.: -0.007 min
Response: 2561113
Conc: 21.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 2485114
Conc: 20.79 ug/ml



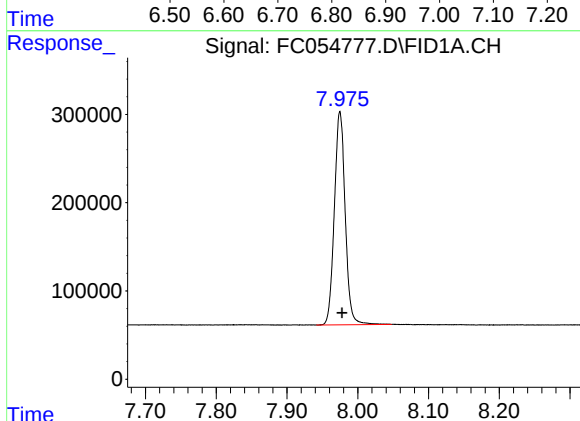
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.801 min
Delta R.T.: -0.007 min
Response: 2593669
Conc: 21.24 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

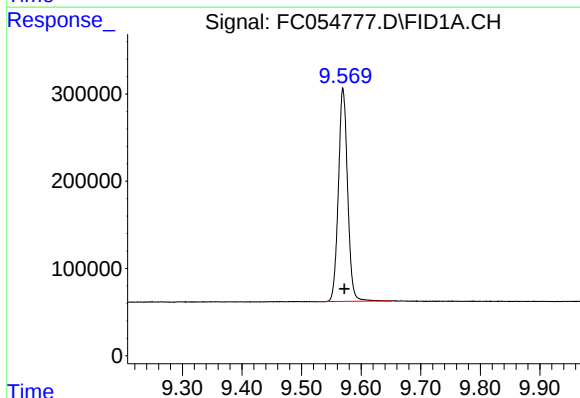
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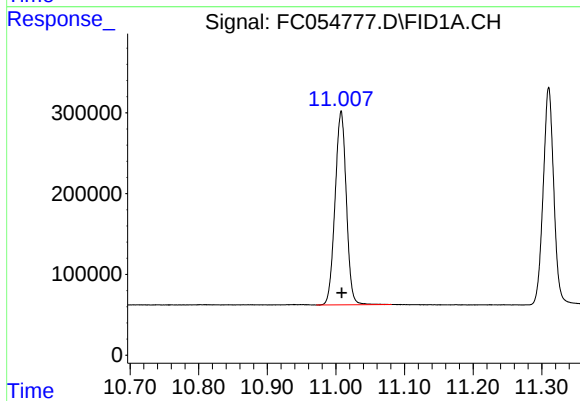
#6 n-Tetradecane (C14)

R.T.: 7.975 min
Delta R.T.: -0.003 min
Response: 2569540
Conc: 20.89 ug/ml



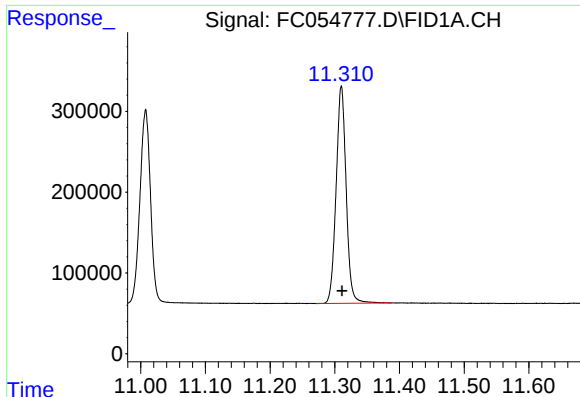
#7 n-Hexadecane (C16)

R.T.: 9.570 min
Delta R.T.: -0.002 min
Response: 2630358
Conc: 20.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.008 min
Delta R.T.: -0.001 min
Response: 2729981
Conc: 20.83 ug/ml



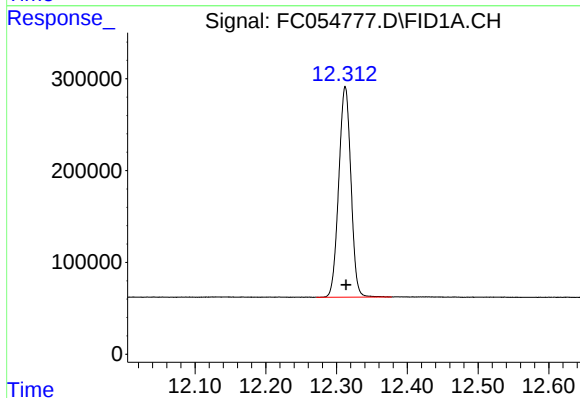
#9 ortho-Terphenyl (SURR)

R.T.: 11.310 min
Delta R.T.: -0.001 min
Response: 2903039
Conc: 20.87 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

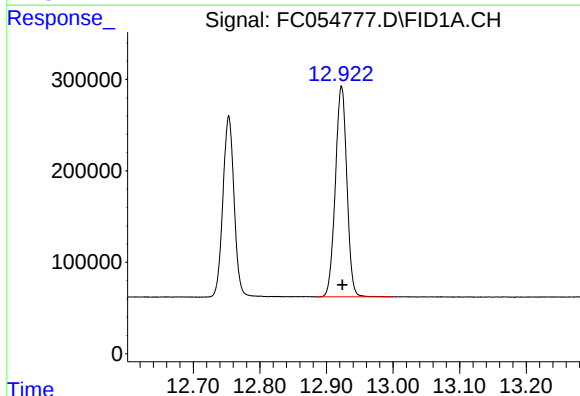
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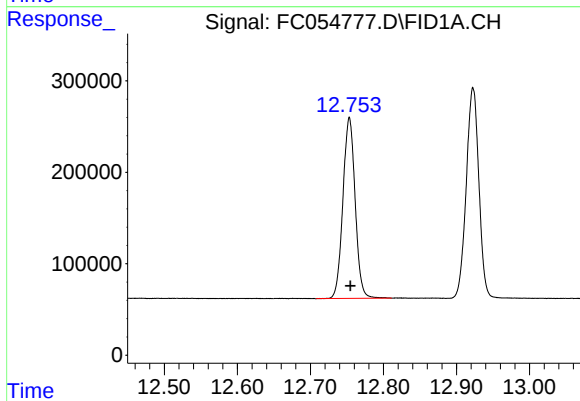
#10 n-Eicosane (C20)

R.T.: 12.312 min
Delta R.T.: -0.002 min
Response: 2732468
Conc: 20.74 ug/ml



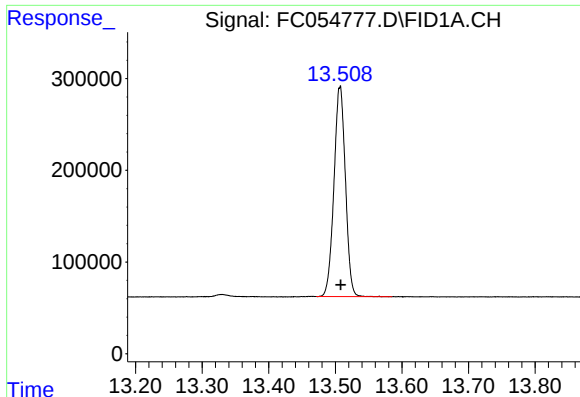
#11 n-Heneicosane (C21)

R.T.: 12.923 min
Delta R.T.: -0.001 min
Response: 2770037
Conc: 20.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.753 min
Delta R.T.: -0.002 min
Response: 2305519
Conc: 20.74 ug/ml



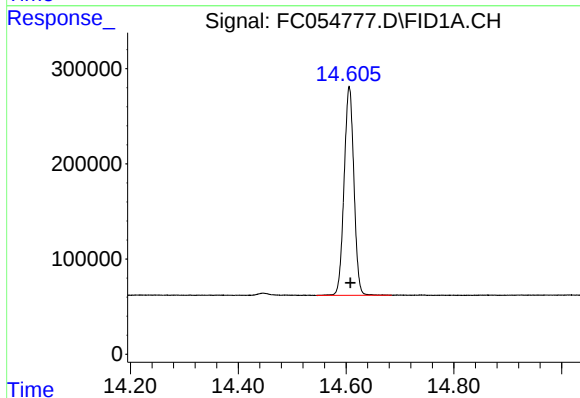
#13 n-Docosane (C22)

R.T.: 13.507 min
Delta R.T.: -0.001 min
Response: 2740080
Conc: 20.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

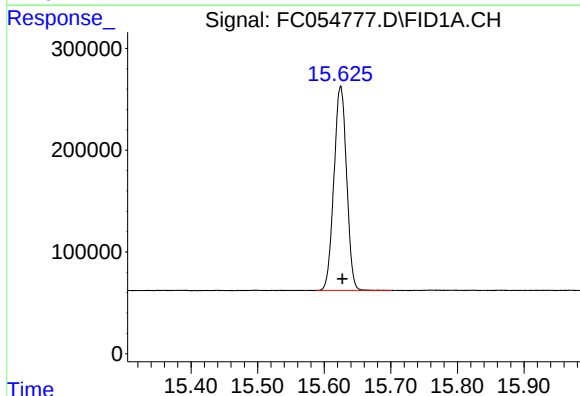
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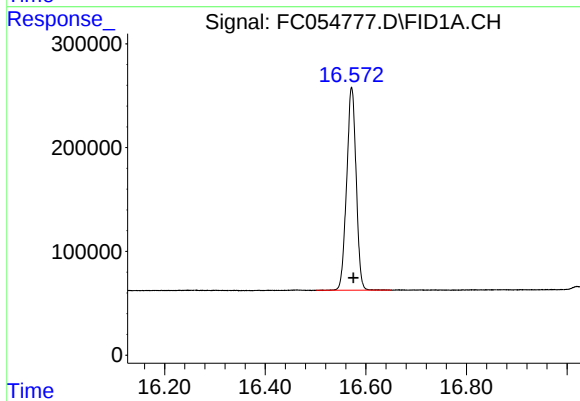
#14 n-Tetracosane (C24)

R.T.: 14.606 min
Delta R.T.: -0.002 min
Response: 2766236
Conc: 20.98 ug/ml



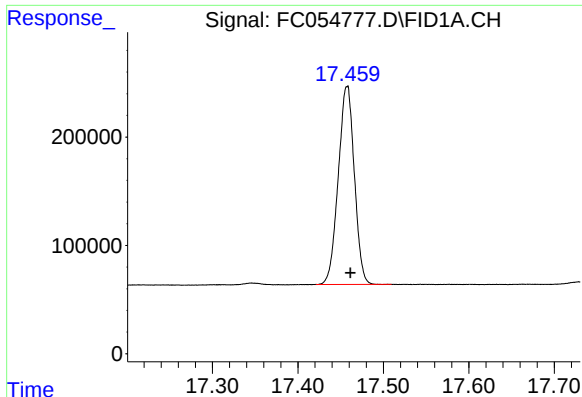
#15 n-Hexacosane (C26)

R.T.: 15.625 min
Delta R.T.: -0.003 min
Response: 2655008
Conc: 20.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.572 min
Delta R.T.: -0.003 min
Response: 2563549
Conc: 19.46 ug/ml



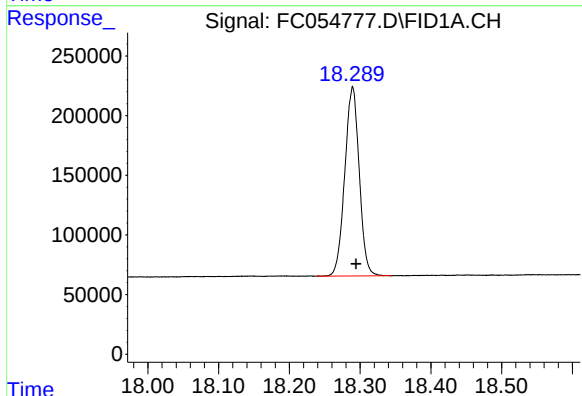
#17 n-Tricontane (C30)

R.T.: 17.457 min
Delta R.T.: -0.004 min
Response: 2395217
Conc: 16.83 ug/ml

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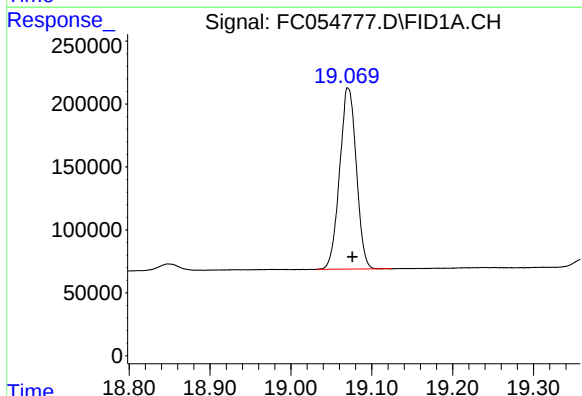
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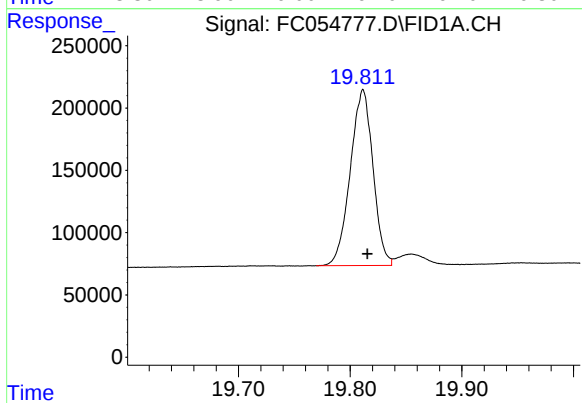
#18 n-Dotriacontane (C32)

R.T.: 18.289 min
Delta R.T.: -0.005 min
Response: 2251265
Conc: 18.19 ug/ml



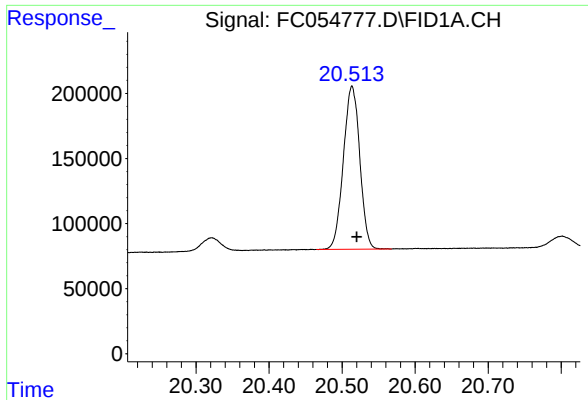
#19 n-Tetratriacontane (C34)

R.T.: 19.071 min
Delta R.T.: -0.005 min
Response: 2064374
Conc: 20.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.811 min
Delta R.T.: -0.004 min
Response: 1994030
Conc: 21.05 ug/ml m



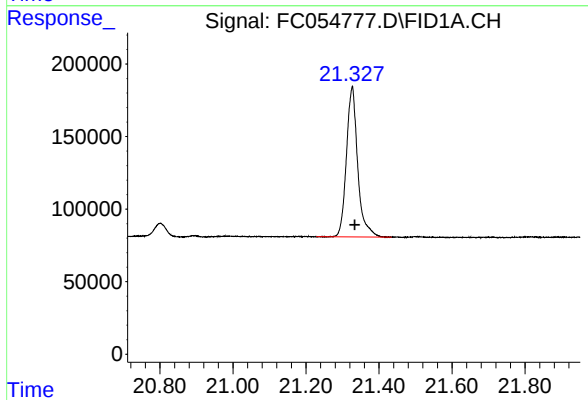
#21 n-Octatriacontane (C38)

R.T.: 20.514 min
Delta R.T.: -0.006 min
Response: 1955871
Conc: 21.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.326 min
Delta R.T.: -0.007 min
Response: 2216114
Conc: 22.83 ug/ml