

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031521AL\
 Data File : FC052443.D
 Signal(s) : FID1A.CH
 Acq On : 16 Mar 2021 00:07
 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

Ankita
 3/16/2021 11:19:31 AM

Integration File: autoint1.e
 Quant Time: Mar 16 01:35:09 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 030321.M
 Quant Title : GC Extractables
 QLast Update : Thu Mar 04 03:56:17 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)	11.604	2469970	18.729 ug/ml
Spiked Amount 50.000		Recovery =	37.46%
12) S 1-chlorooctadecane (S...	13.042	1928025	18.539 ug/ml
Spiked Amount 50.000		Recovery =	37.08%
Target Compounds			
1) T n-Nonane (C9)	3.350	2419981	20.530 ug/ml
2) T n-Decane (C10)	4.420	2436844	20.518 ug/ml
3) T A~Naphthalene (C11.7)	6.010	2716731	20.461 ug/ml
4) T n-Dodecane (C12)	6.443	2487851	20.580 ug/ml
5) T A~2-methylnaphthalene...	7.069	2756363	20.307 ug/ml
6) T n-Tetradecane (C14)	8.241	2482069	20.472 ug/ml
7) T n-Hexadecane (C16)	9.843	2405956	20.108 ug/ml
8) T n-Octadecane (C18)	11.286	2425313	19.593 ug/ml
10) T n-Eicosane (C20)	12.597	2335838	18.957 ug/ml
11) T n-Heneicosane (C21)	13.209	2271114	18.604 ug/ml
13) T n-Docosane (C22)	13.797	2209353	18.362 ug/ml
14) T n-Tetracosane (C24)	14.901	2095415	17.973 ug/ml
15) T n-Hexacosane (C26)	15.922	1974515	17.974 ug/ml
16) T n-Octacosane (C28)	16.872	1899131	18.528 ug/ml
17) T n-Tricontane (C30)	17.761	1854052	19.695 ug/ml
18) T n-Dotriacontane (C32)	18.596	1801318	21.097 ug/ml
19) T n-Tetratriacontane (C34)	19.376	1776108	22.909 ug/ml
20) T n-Hexatriacontane (C36)	20.115	1722322	23.969 ug/mlm
21) T n-Octatriacontane (C38)	20.858	1655886	24.173 ug/ml
22) T n-Tetracontane (C40)	21.782	1740456	24.203 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

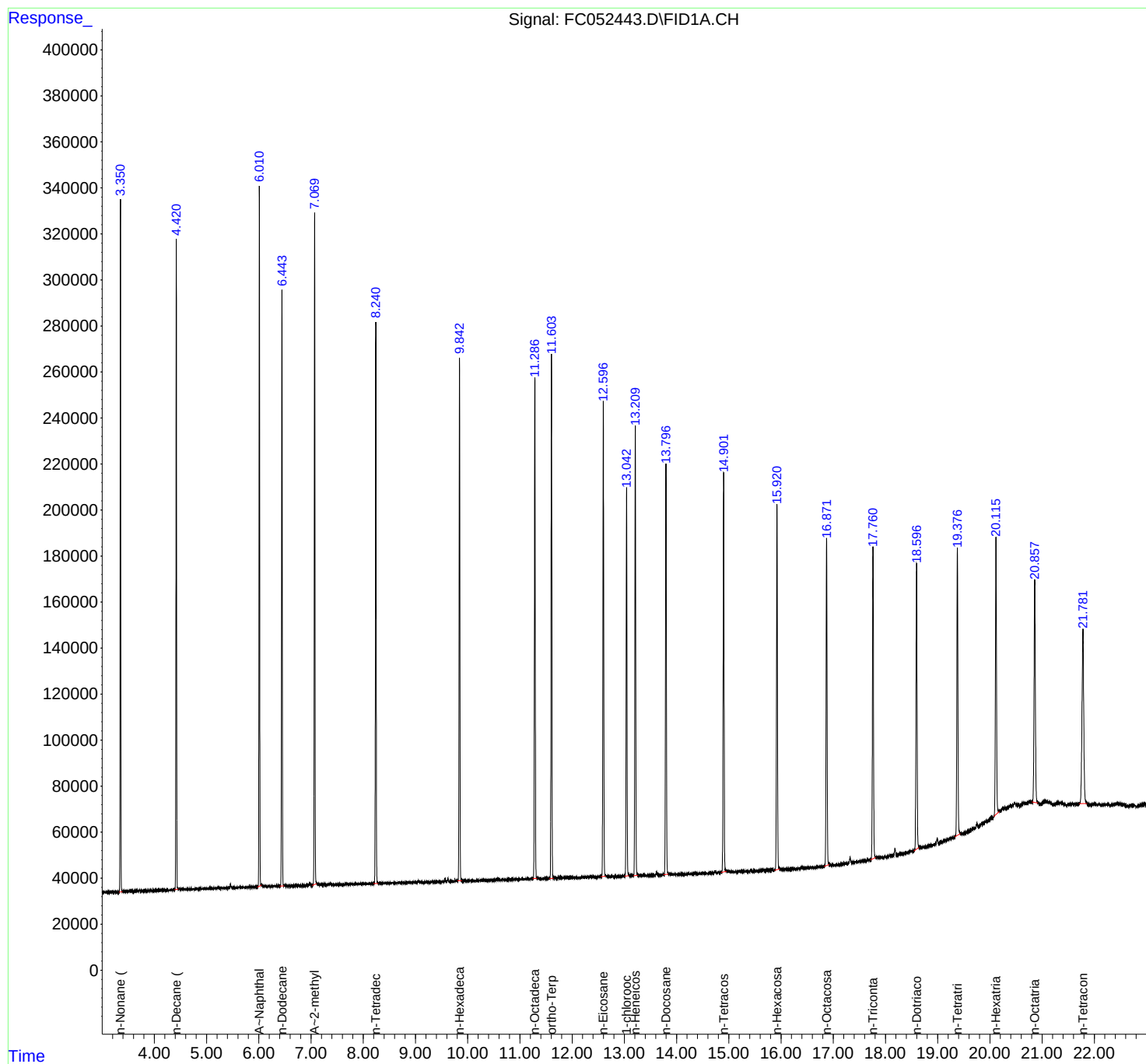
Instrument :
FID_C
ClientSampled :
20 PPM ALIPHATIC HC STD

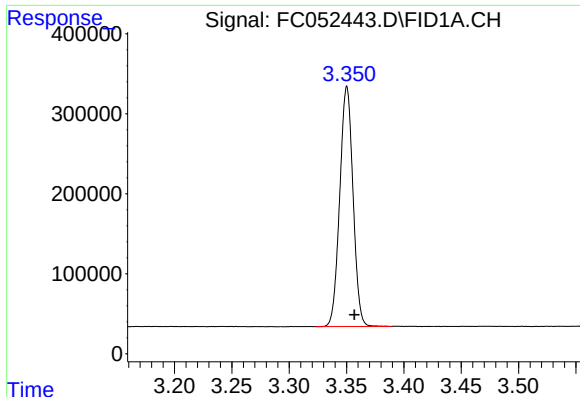
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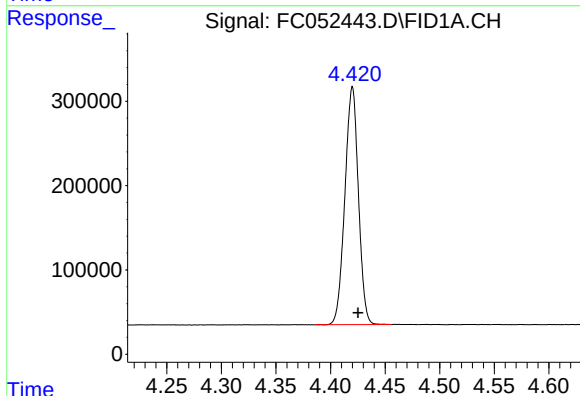
#1 n-Nonane (C9)

R.T.: 3.350 min
Delta R.T.: -0.007 min
Response: 2419981
Conc: 20.53 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

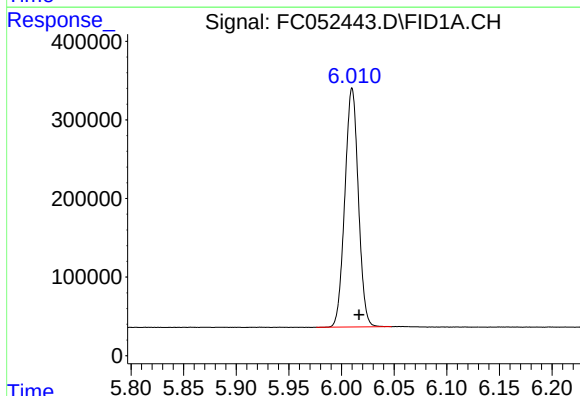
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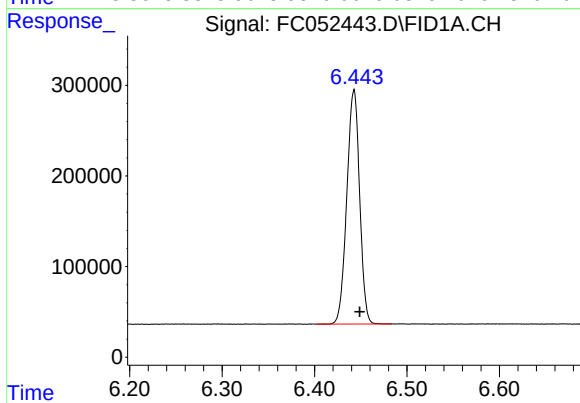
#2 n-Decane (C10)

R.T.: 4.420 min
Delta R.T.: -0.005 min
Response: 2436844
Conc: 20.52 ug/ml



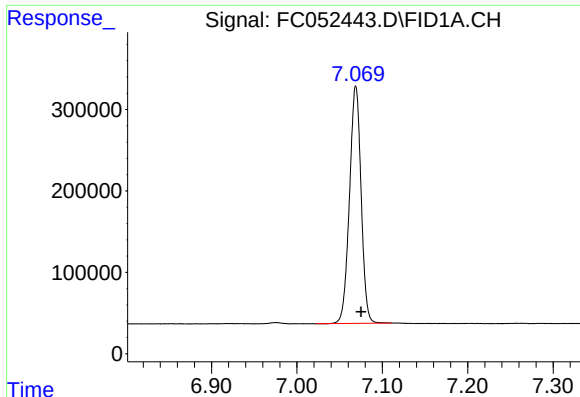
#3 A~Naphthalene (C11.7)

R.T.: 6.010 min
Delta R.T.: -0.007 min
Response: 2716731
Conc: 20.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.443 min
Delta R.T.: -0.006 min
Response: 2487851
Conc: 20.58 ug/ml



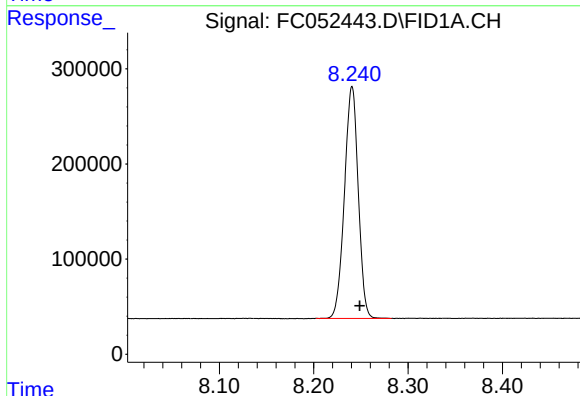
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.069 min
Delta R.T.: -0.006 min
Response: 2756363
Conc: 20.31 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

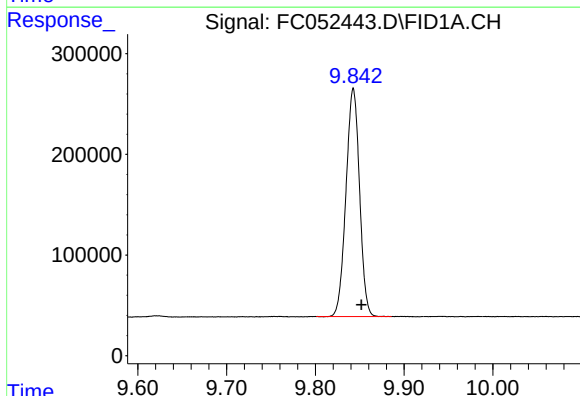
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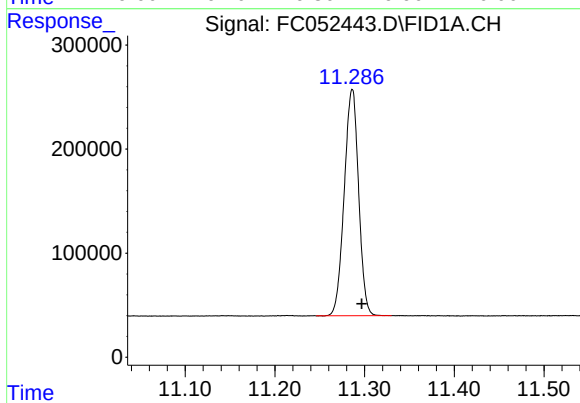
#6 n-Tetradecane (C14)

R.T.: 8.241 min
Delta R.T.: -0.008 min
Response: 2482069
Conc: 20.47 ug/ml



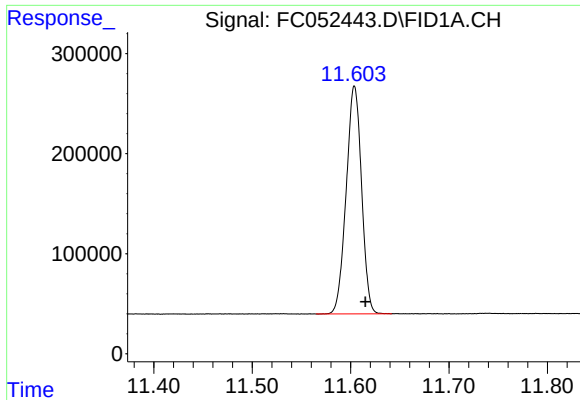
#7 n-Hexadecane (C16)

R.T.: 9.843 min
Delta R.T.: -0.009 min
Response: 2405956
Conc: 20.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.286 min
Delta R.T.: -0.010 min
Response: 2425313
Conc: 19.59 ug/ml



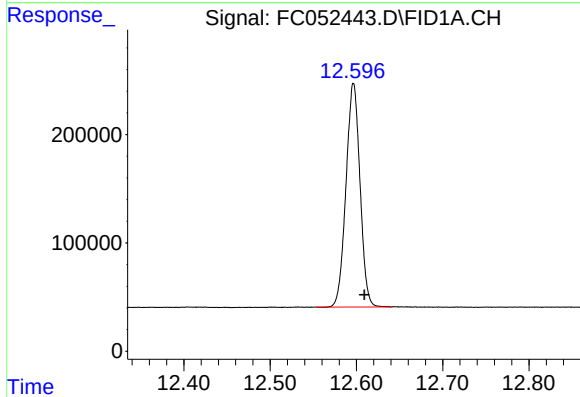
#9 ortho-Terphenyl (SURR)

R.T.: 11.604 min
Delta R.T.: -0.011 min
Response: 2469970
Conc: 18.73 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

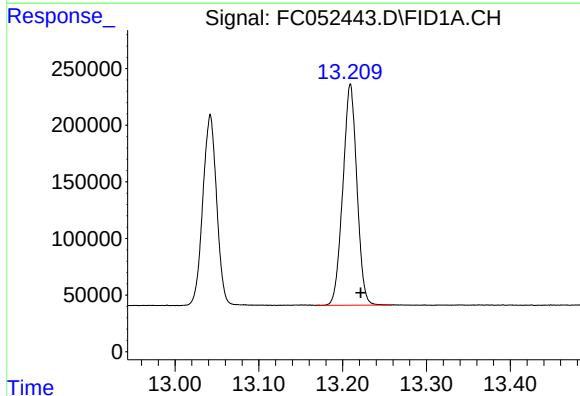
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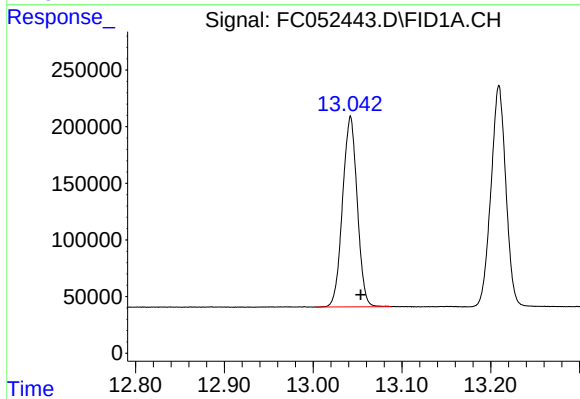
#10 n-Eicosane (C20)

R.T.: 12.597 min
Delta R.T.: -0.013 min
Response: 2335838
Conc: 18.96 ug/ml



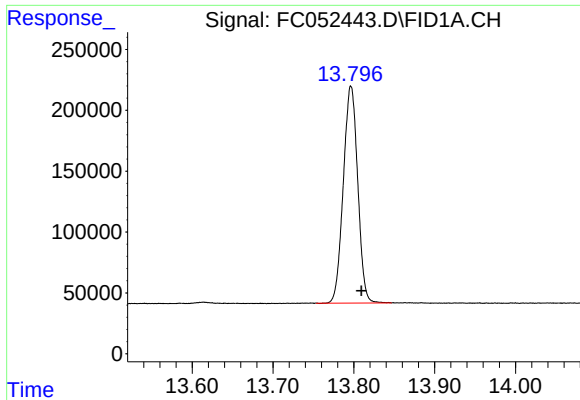
#11 n-Heneicosane (C21)

R.T.: 13.209 min
Delta R.T.: -0.012 min
Response: 2271114
Conc: 18.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.042 min
Delta R.T.: -0.011 min
Response: 1928025
Conc: 18.54 ug/ml



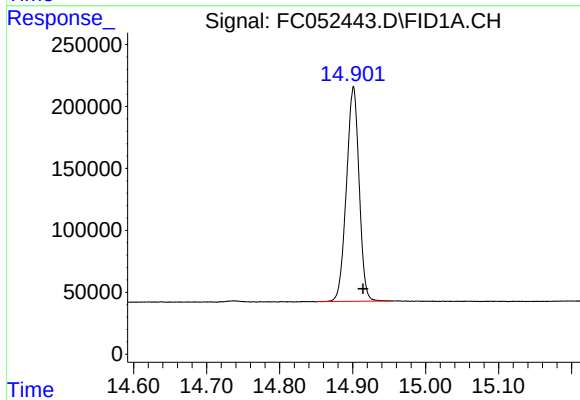
#13 n-Docosane (C22)

R.T.: 13.797 min
Delta R.T.: -0.013 min
Response: 2209353
Conc: 18.36 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

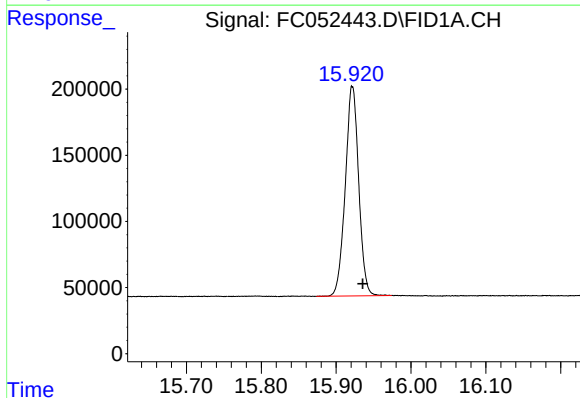
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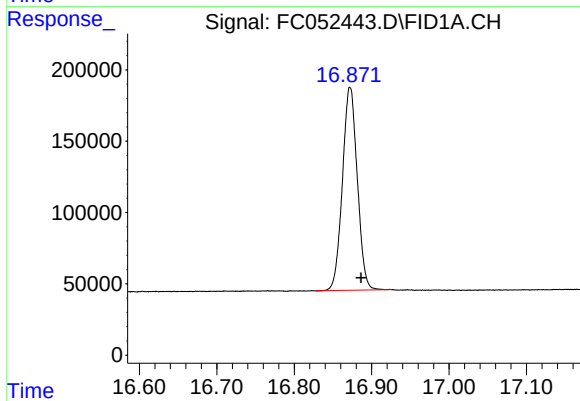
#14 n-Tetracosane (C24)

R.T.: 14.901 min
Delta R.T.: -0.013 min
Response: 2095415
Conc: 17.97 ug/ml



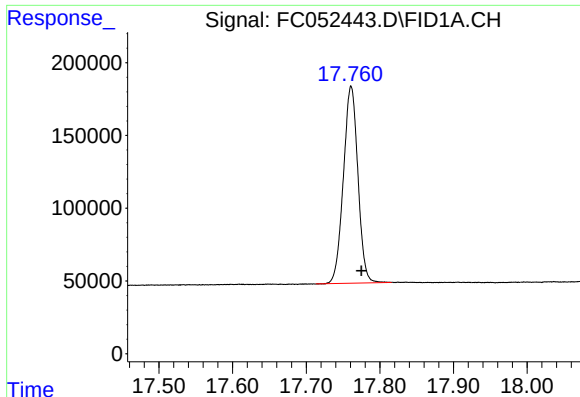
#15 n-Hexacosane (C26)

R.T.: 15.922 min
Delta R.T.: -0.014 min
Response: 1974515
Conc: 17.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.872 min
Delta R.T.: -0.014 min
Response: 1899131
Conc: 18.53 ug/ml



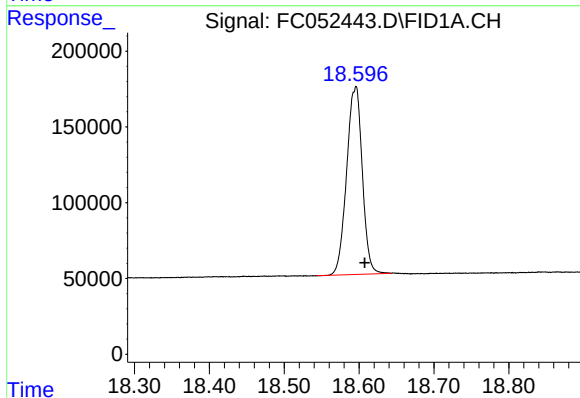
#17 n-Tricontane (C30)

R.T.: 17.761 min
Delta R.T.: -0.014 min
Response: 1854052
Conc: 19.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

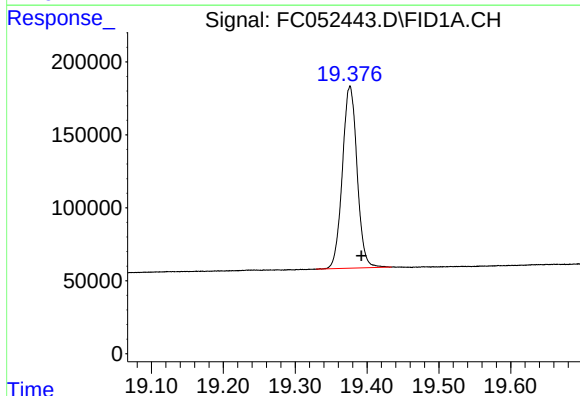
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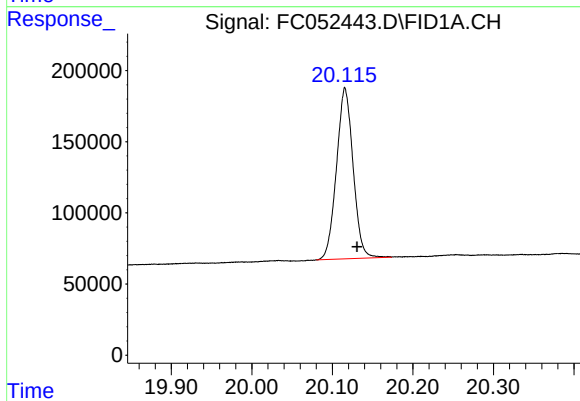
#18 n-Dotriacontane (C32)

R.T.: 18.596 min
Delta R.T.: -0.012 min
Response: 1801318
Conc: 21.10 ug/ml



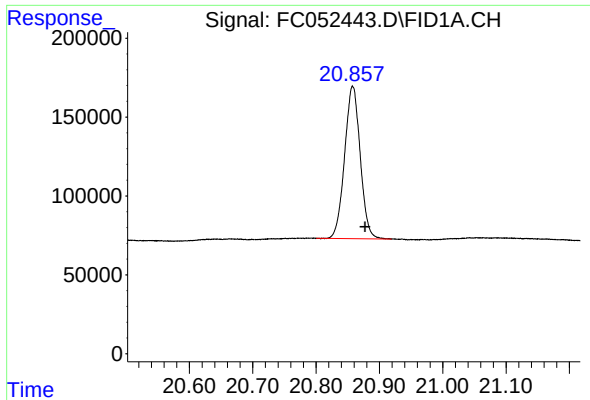
#19 n-Tetratriacontane (C34)

R.T.: 19.376 min
Delta R.T.: -0.016 min
Response: 1776108
Conc: 22.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.115 min
Delta R.T.: -0.016 min
Response: 1722322
Conc: 23.97 ug/ml m



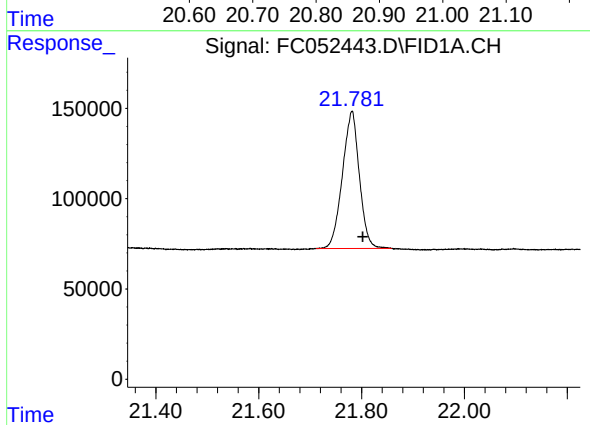
#21 n-Octatriacontane (C38)

R.T.: 20.858 min
Delta R.T.: -0.019 min
Response: 1655886
Conc: 24.17 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.782 min
Delta R.T.: -0.021 min
Response: 1740456
Conc: 24.20 ug/ml