

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF062323AL\
 Data File : FF012977.D
 Signal(s) : FID2B.ch
 Acq On : 23 Jun 2023 16:54
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :Ankita Jodhani 06/26/2023

Integration File: autoint1.e
 Quant Time: Jun 24 04:05:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 062023.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 20 13:45:06 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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)	10.874	2681819	18.175 ug/ml
Spiked Amount 50.000		Recovery =	36.35%
12) S 1-chlorooctadecane (S...	12.305	1935548	18.269 ug/ml
Spiked Amount 50.000		Recovery =	36.54%
Target Compounds			
1) T n-Nonane (C9)	2.742	2252608	19.084 ug/ml
2) T n-Decane (C10)	3.749	2282297	19.161 ug/ml
3) T A~Naphthalene (C11.7)	5.314	2355066	19.150 ug/ml
4) T n-Dodecane (C12)	5.733	2285954	18.945 ug/ml
5) T A~2-methylnaphthalene...	6.363	2153886	19.332 ug/ml
6) T n-Tetradecane (C14)	7.521	2237352	19.086 ug/ml
7) T n-Hexadecane (C16)	9.117	2313354	18.960 ug/ml
8) T n-Octadecane (C18)	10.555	2359852	18.562 ug/ml
10) T n-Eicosane (C20)	11.860	2276702	18.247 ug/ml
11) T n-Heneicosane (C21)	12.471	2238308	18.256 ug/ml
13) T n-Docosane (C22)	13.056	2196976	17.932 ug/ml
14) T n-Tetracosane (C24)	14.156	2209256	18.000 ug/ml
15) T n-Hexacosane (C26)	15.176	2100537	17.461 ug/ml
16) T n-Octacosane (C28)	16.123	2037442	17.326 ug/ml
17) T n-Tricontane (C30)	17.007	2085254	17.509 ug/ml
18) T n-Dotriacontane (C32)	17.839	2065412	17.664 ug/ml
19) T n-Tetratriacontane (C34)	18.620	2047863	18.444 ug/mlm
20) T n-Hexatriacontane (C36)	19.359	1950541	18.401 ug/mlm
21) T n-Octatriacontane (C38)	20.082	1940627	18.571 ug/ml
22) T n-Tetracontane (C40)	20.961	1863142	19.231 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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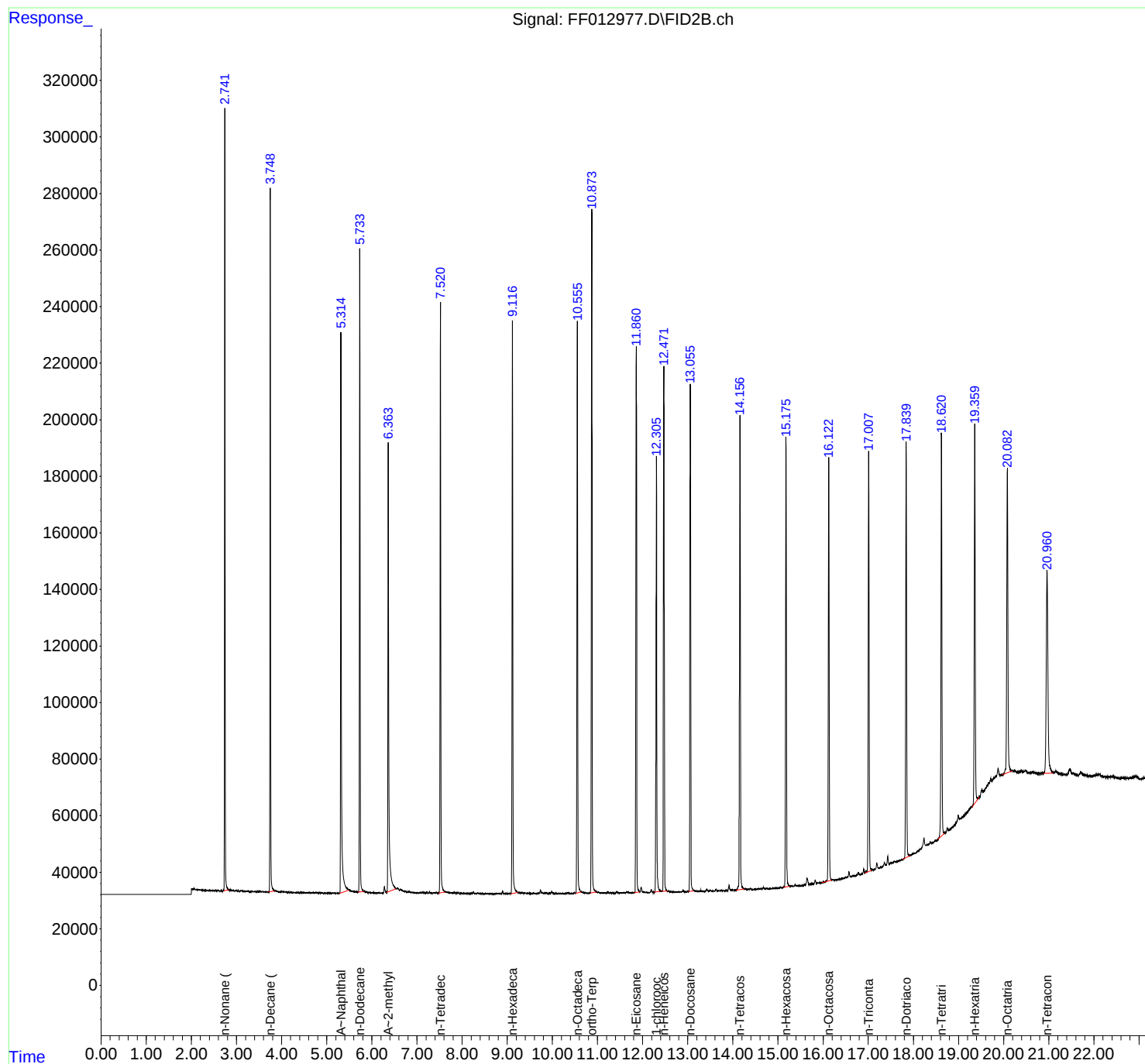
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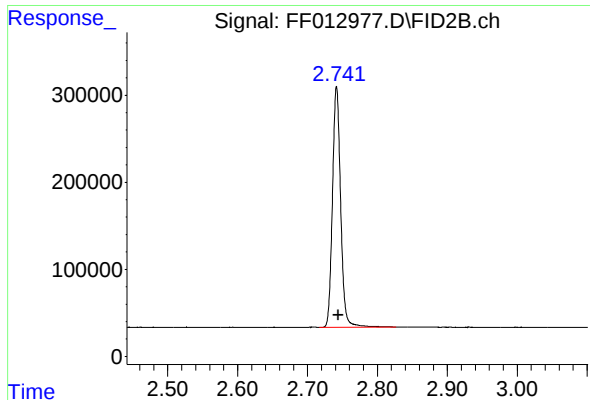
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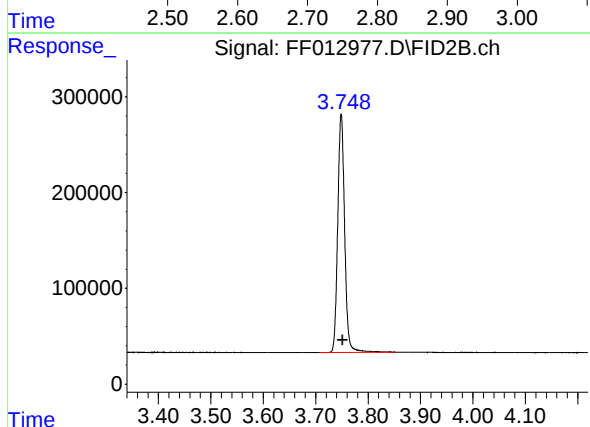
#1 n-Nonane (C9)

R.T.: 2.742 min
Delta R.T.: -0.002 min
Response: 2252608
Conc: 19.08 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

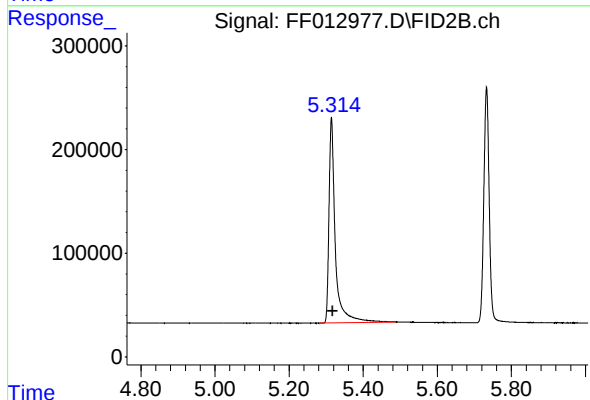
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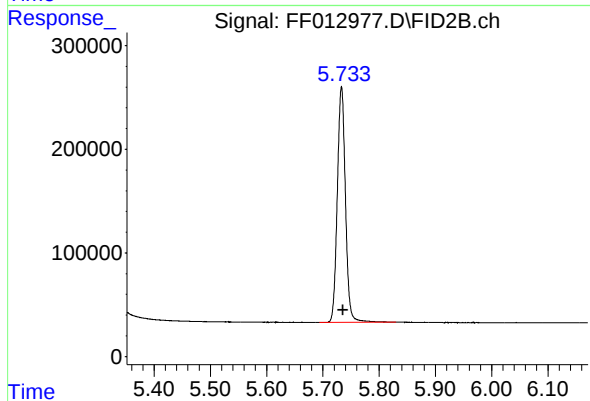
#2 n-Decane (C10)

R.T.: 3.749 min
Delta R.T.: -0.003 min
Response: 2282297
Conc: 19.16 ug/ml



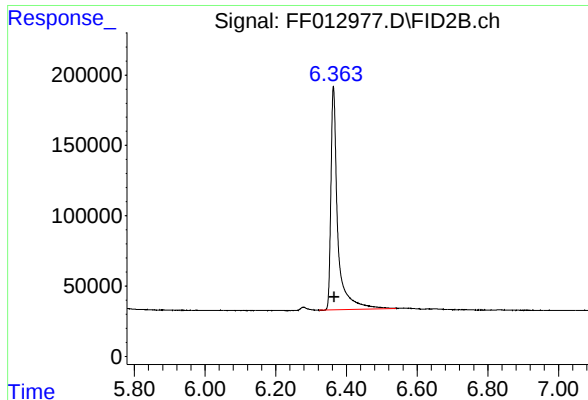
#3 A~Naphthalene (C11.7)

R.T.: 5.314 min
Delta R.T.: -0.003 min
Response: 2355066
Conc: 19.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.733 min
Delta R.T.: -0.003 min
Response: 2285954
Conc: 18.94 ug/ml



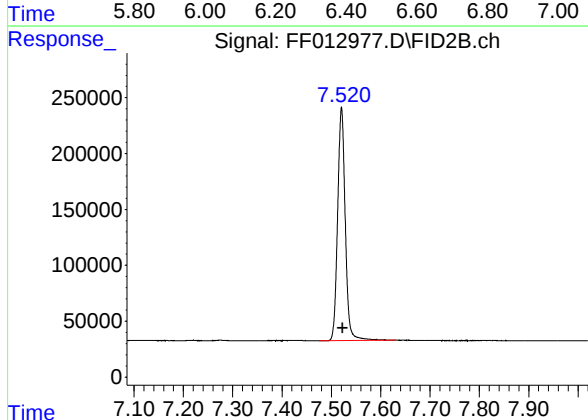
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.363 min
Delta R.T.: -0.003 min
Response: 2153886
Conc: 19.33 ug/ml

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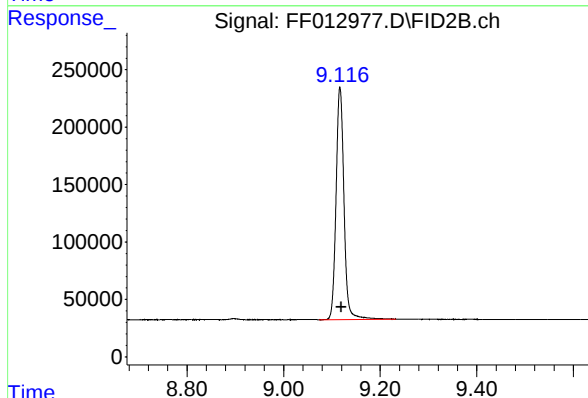
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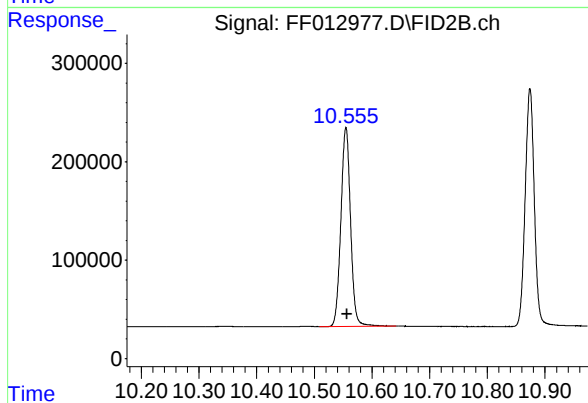
#6 n-Tetradecane (C14)

R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 2237352
Conc: 19.09 ug/ml



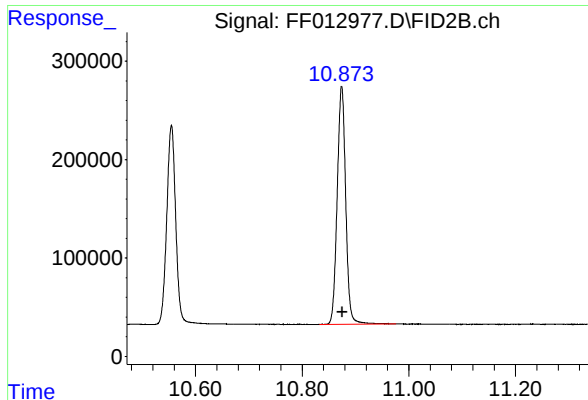
#7 n-Hexadecane (C16)

R.T.: 9.117 min
Delta R.T.: -0.002 min
Response: 2313354
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.555 min
Delta R.T.: -0.002 min
Response: 2359852
Conc: 18.56 ug/ml



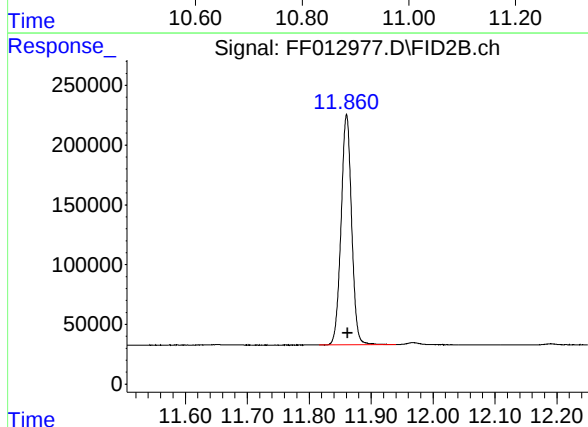
#9 ortho-Terphenyl (SURR)

R.T.: 10.874 min
Delta R.T.: -0.002 min
Response: 2681819
Conc: 18.18 ug/ml

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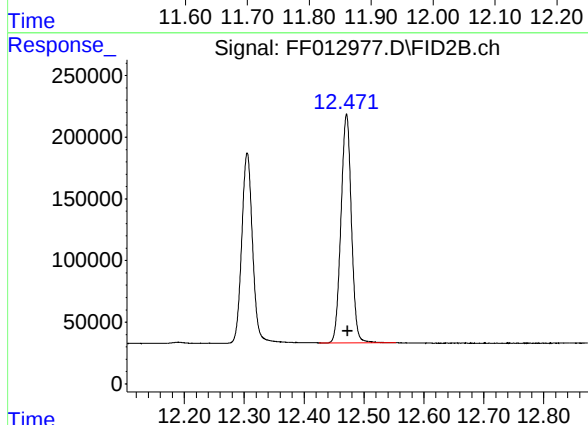
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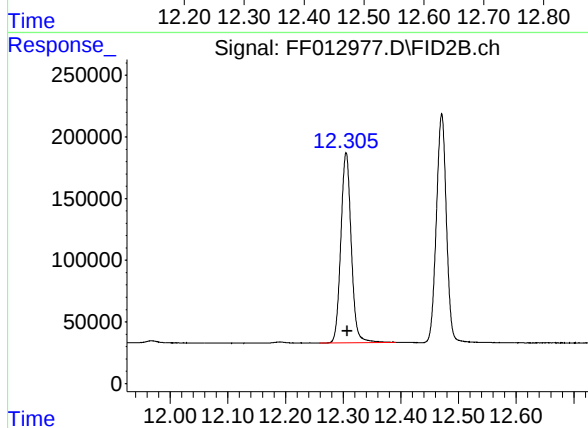
#10 n-Eicosane (C20)

R.T.: 11.860 min
Delta R.T.: -0.001 min
Response: 2276702
Conc: 18.25 ug/ml



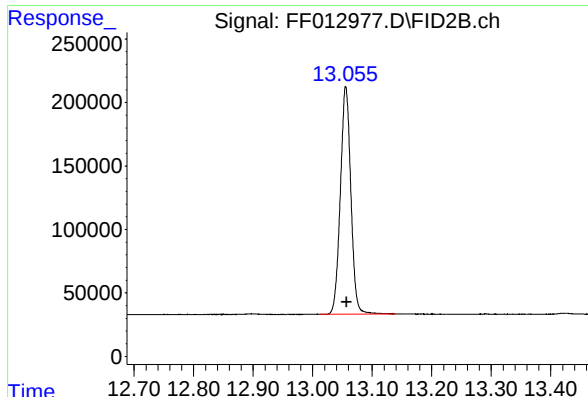
#11 n-Heneicosane (C21)

R.T.: 12.471 min
Delta R.T.: -0.001 min
Response: 2238308
Conc: 18.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.305 min
Delta R.T.: -0.002 min
Response: 1935548
Conc: 18.27 ug/ml



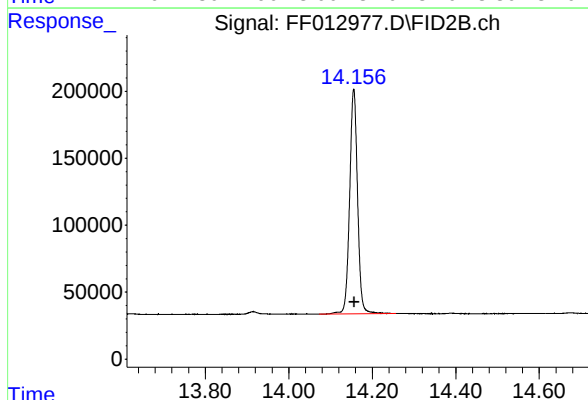
#13 n-Docosane (C22)

R.T.: 13.056 min
Delta R.T.: -0.001 min
Response: 2196976
Conc: 17.93 ug/ml

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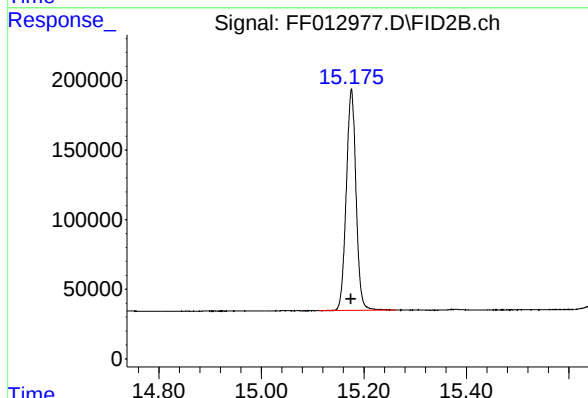
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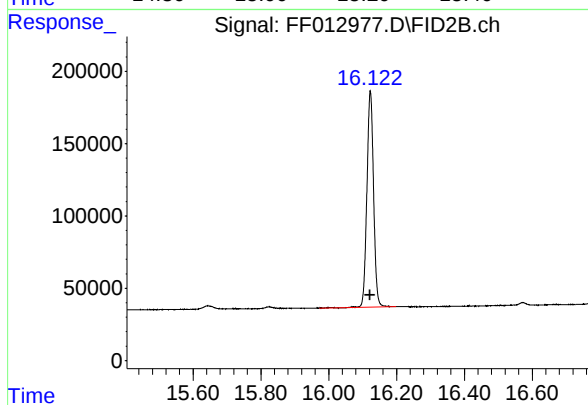
#14 n-Tetracosane (C24)

R.T.: 14.156 min
Delta R.T.: -0.001 min
Response: 2209256
Conc: 18.00 ug/ml



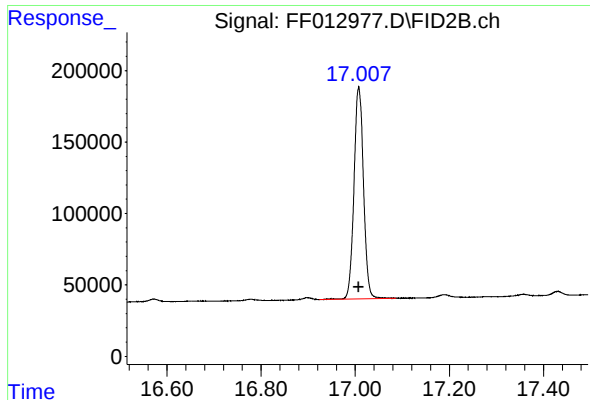
#15 n-Hexacosane (C26)

R.T.: 15.176 min
Delta R.T.: 0.001 min
Response: 2100537
Conc: 17.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.123 min
Delta R.T.: 0.000 min
Response: 2037442
Conc: 17.33 ug/ml



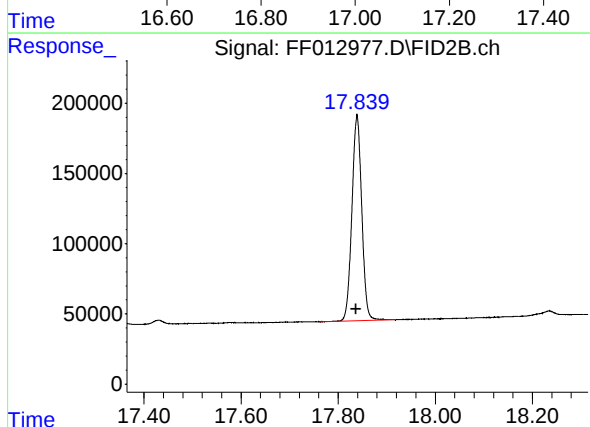
#17 n-Tricontane (C30)

R.T.: 17.007 min
Delta R.T.: 0.000 min
Response: 2085254
Conc: 17.51 ug/ml

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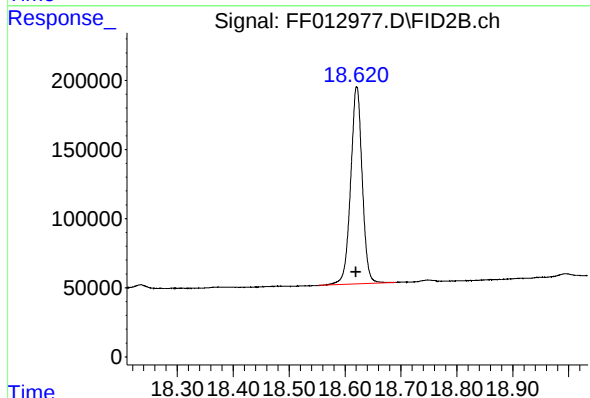
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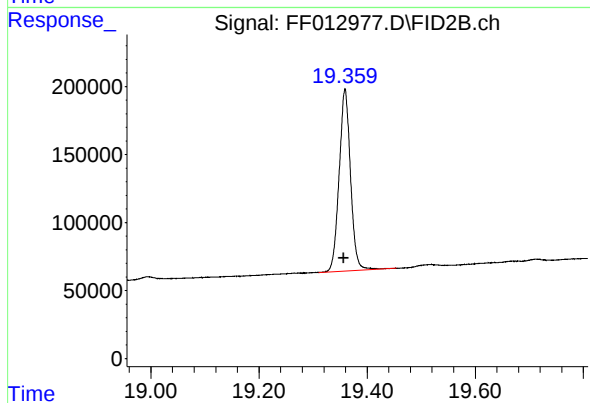
#18 n-Dotriacontane (C32)

R.T.: 17.839 min
Delta R.T.: 0.002 min
Response: 2065412
Conc: 17.66 ug/ml



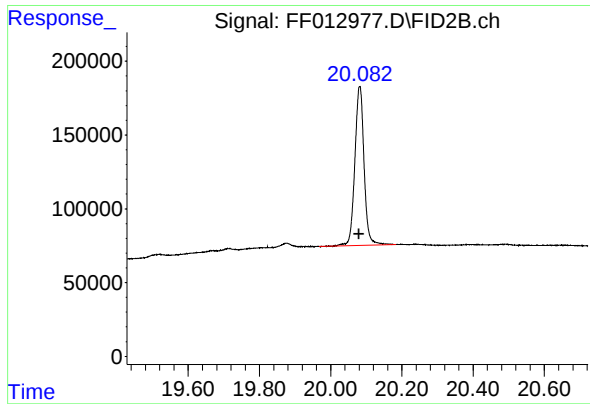
#19 n-Tetratriacontane (C34)

R.T.: 18.620 min
Delta R.T.: 0.000 min
Response: 2047863
Conc: 18.44 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.359 min
Delta R.T.: 0.002 min
Response: 1950541
Conc: 18.40 ug/ml m



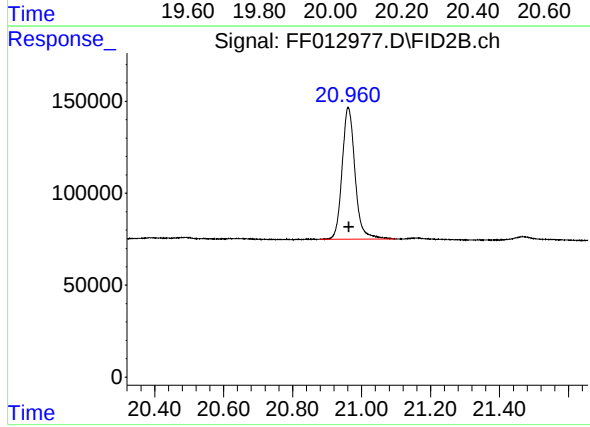
#21 n-Octatriacontane (C38)

R.T.: 20.082 min
Delta R.T.: 0.001 min
Response: 1940627
Conc: 18.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.961 min
Delta R.T.: -0.002 min
Response: 1863142
Conc: 19.23 ug/ml