

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF050422AL\
 Data File : FF010533.D
 Signal(s) : FID2B.ch
 Acq On : 04 May 2022 22:33
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/05/2022
 Supervised By :mohammad ahmed 05/06/2022

Integration File: sample.E
 Quant Time: May 05 01:24:25 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH -FF050322
 Quant Title : GC Extractables
 QLast Update : Tue May 03 13:18:42 2022
 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)	10.849	2314353	16.811 ug/ml
Spiked Amount 50.000		Recovery =	33.62%
12) S 1-chlorooctadecane (S...	12.286	1826599	16.796 ug/ml
Spiked Amount 50.000		Recovery =	33.59%
Target Compounds			
1) T n-Nonane (C9)	2.714	1999362	16.895 ug/ml
2) T n-Decane (C10)	3.721	1980132	16.862 ug/ml
3) T A~Naphthalene (C11.7)	5.278	2217873	16.728 ug/ml
4) T n-Dodecane (C12)	5.706	2027492	16.883 ug/ml
5) T A~2-methylnaphthalene...	6.325	2257993	16.848 ug/ml
6) T n-Tetradecane (C14)	7.496	2055302	17.032 ug/ml
7) T n-Hexadecane (C16)	9.094	2089520	16.984 ug/ml
8) T n-Octadecane (C18)	10.535	2124430	16.929 ug/ml
10) T n-Eicosane (C20)	11.842	2129291	16.975 ug/ml
11) T n-Heneicosane (C21)	12.453	2121424	16.853 ug/ml
13) T n-Docosane (C22)	13.040	2144310	17.142 ug/ml
14) T n-Tetracosane (C24)	14.141	2160845	17.553 ug/ml
15) T n-Hexacosane (C26)	15.161	2136379	17.955 ug/ml
16) T n-Octacosane (C28)	16.110	2116567	18.545 ug/ml
17) T n-Tricontane (C30)	16.995	2070495	18.988 ug/ml
18) T n-Dotriacontane (C32)	17.825	1924163	18.780 ug/ml
19) T n-Tetratriacontane (C34)	18.607	1693248	18.348 ug/ml
20) T n-Hexatriacontane (C36)	19.343	1479166	17.726 ug/ml
21) T n-Octatriacontane (C38)	20.062	1332678	17.903 ug/mlm
22) T n-Tetracontane (C40)	20.932	1263187	16.898 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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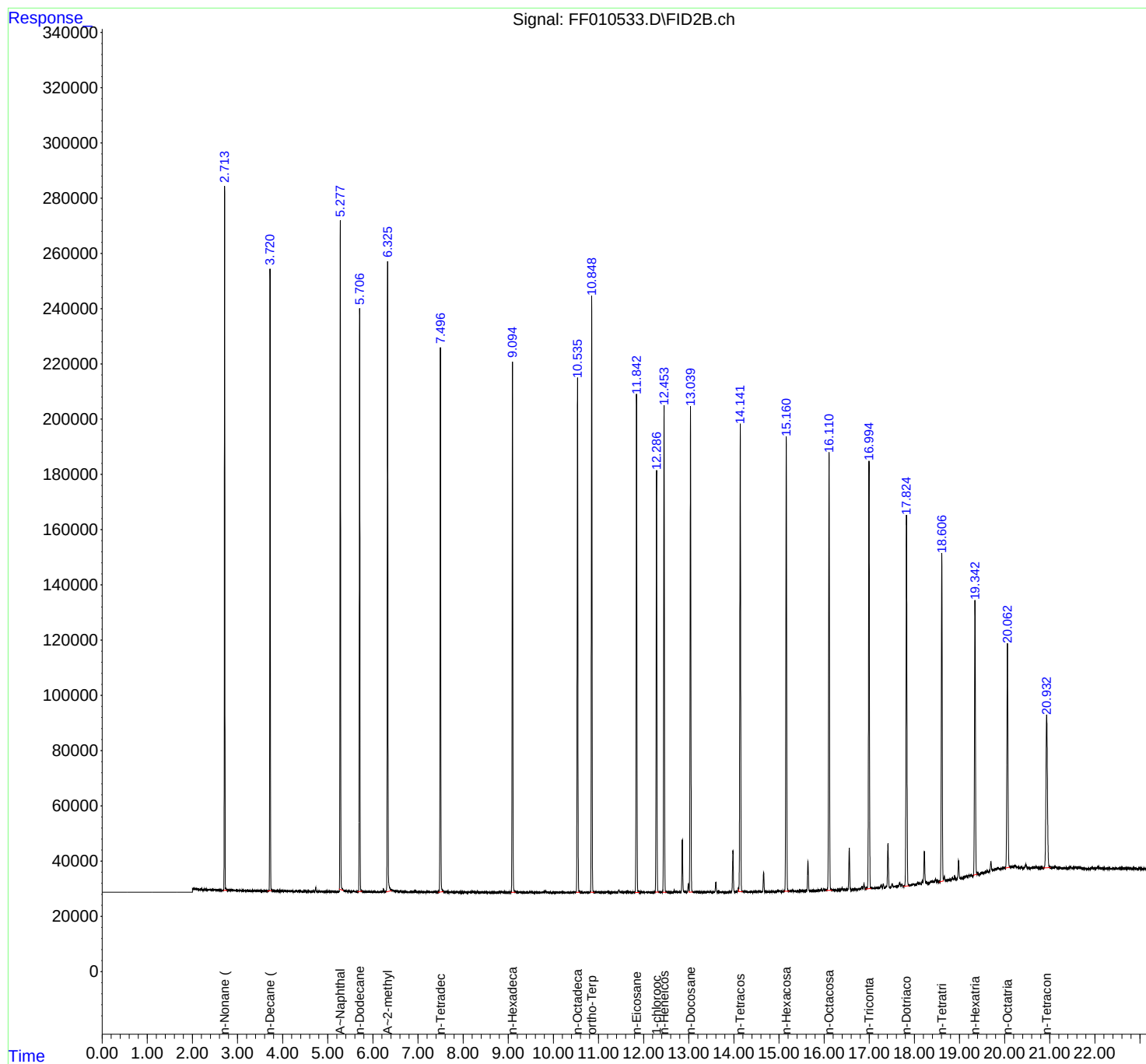
Instrument :
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20 PPM ALIPHATIC HC STD

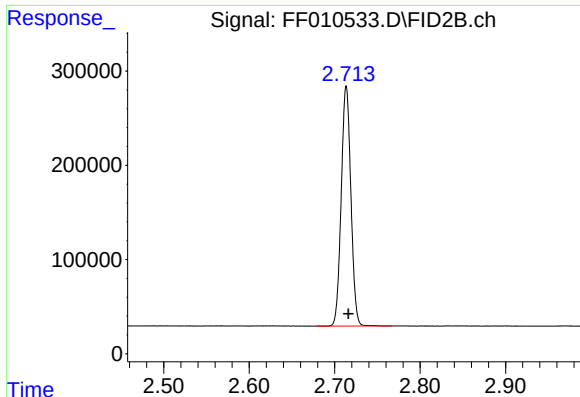
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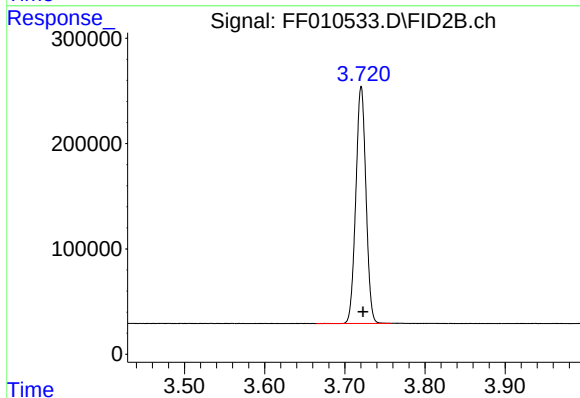
#1 n-Nonane (C9)

R.T.: 2.714 min
Delta R.T.: -0.002 min
Response: 1999362
Conc: 16.90 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

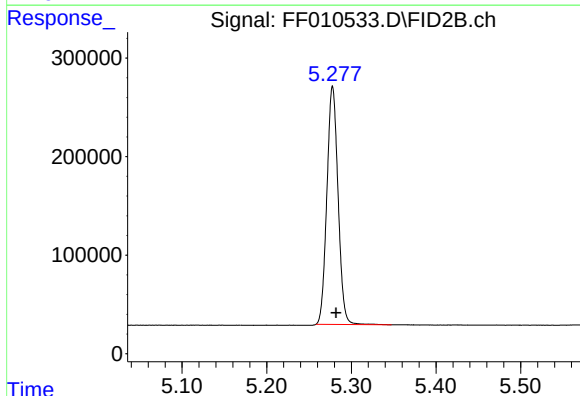
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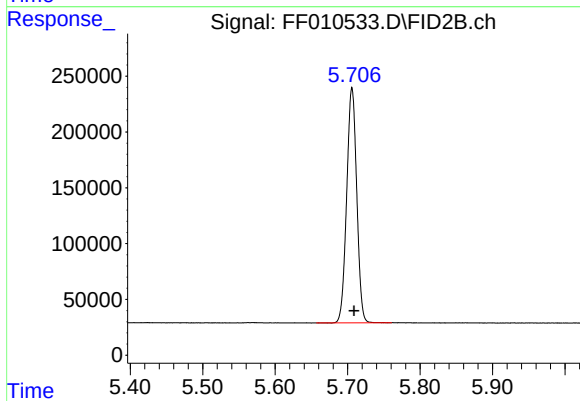
#2 n-Decane (C10)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 1980132
Conc: 16.86 ug/ml



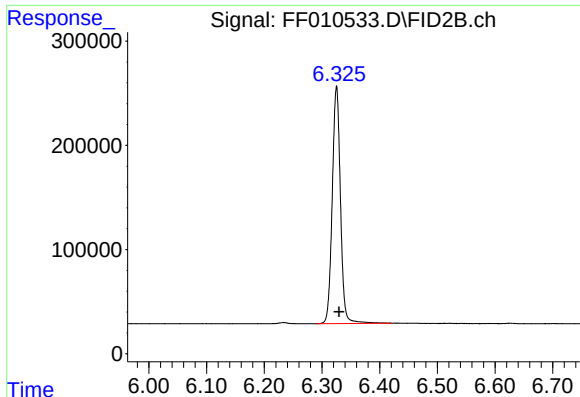
#3 A~Naphthalene (C11.7)

R.T.: 5.278 min
Delta R.T.: -0.004 min
Response: 2217873
Conc: 16.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.706 min
Delta R.T.: -0.003 min
Response: 2027492
Conc: 16.88 ug/ml



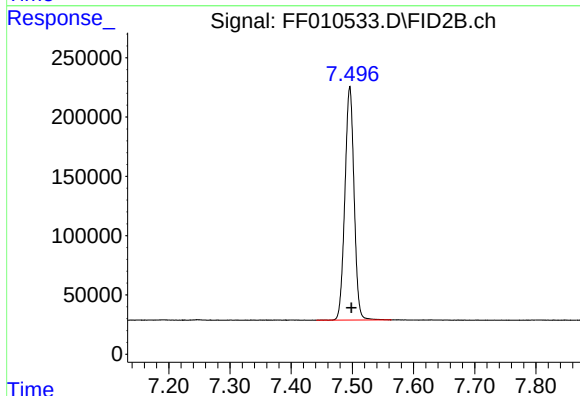
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.325 min
Delta R.T.: -0.004 min
Response: 2257993
Conc: 16.85 ug/ml

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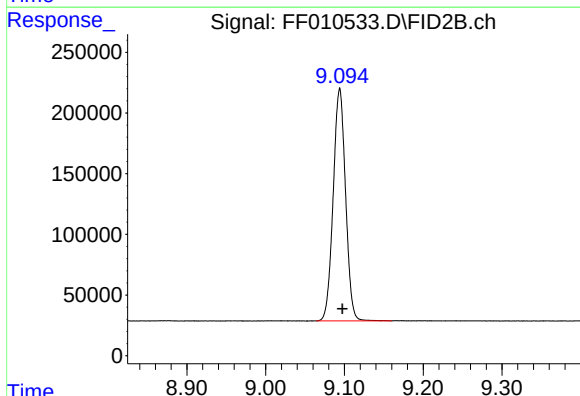
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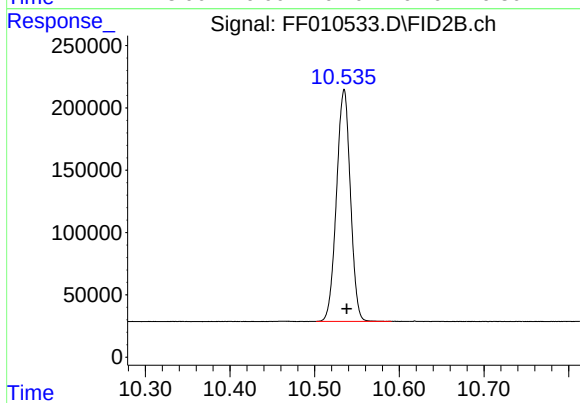
#6 n-Tetradecane (C14)

R.T.: 7.496 min
Delta R.T.: -0.003 min
Response: 2055302
Conc: 17.03 ug/ml



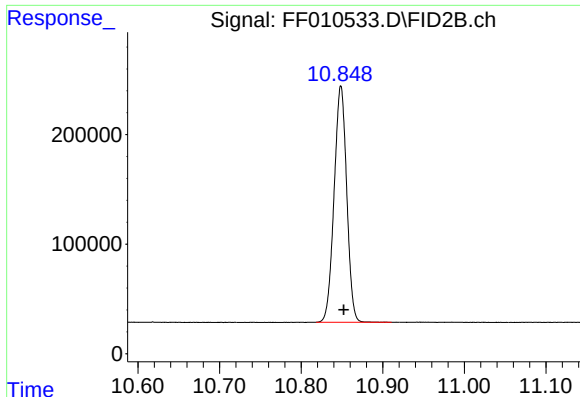
#7 n-Hexadecane (C16)

R.T.: 9.094 min
Delta R.T.: -0.003 min
Response: 2089520
Conc: 16.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.535 min
Delta R.T.: -0.003 min
Response: 2124430
Conc: 16.93 ug/ml



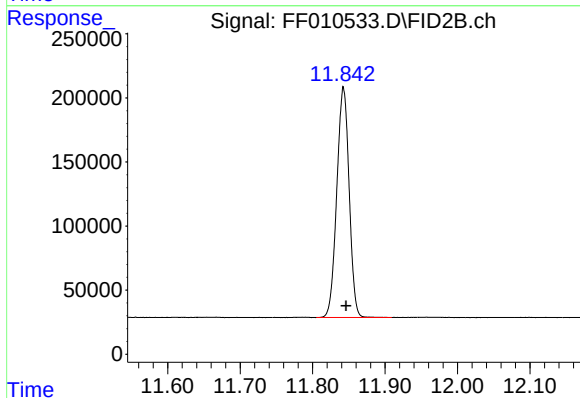
#9 ortho-Terphenyl (SURR)

R.T.: 10.849 min
Delta R.T.: -0.003 min
Response: 2314353
Conc: 16.81 ug/ml

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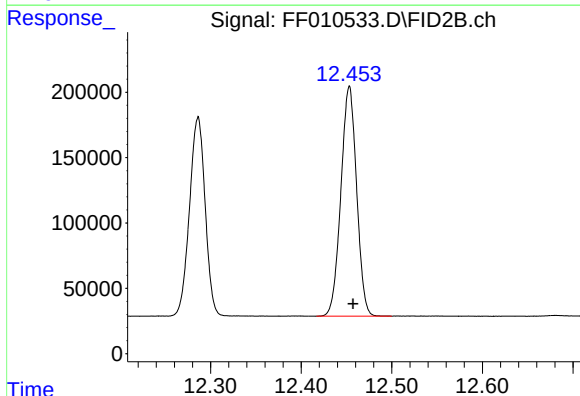
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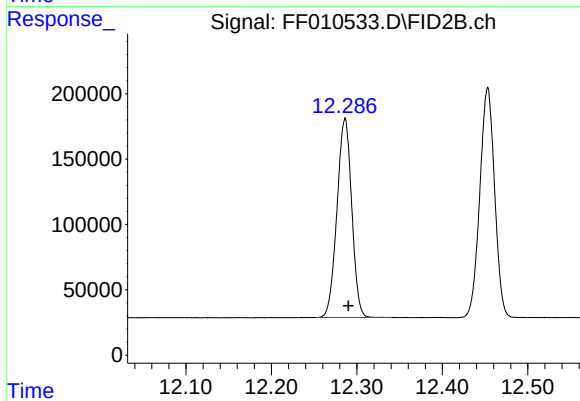
#10 n-Eicosane (C20)

R.T.: 11.842 min
Delta R.T.: -0.004 min
Response: 2129291
Conc: 16.97 ug/ml



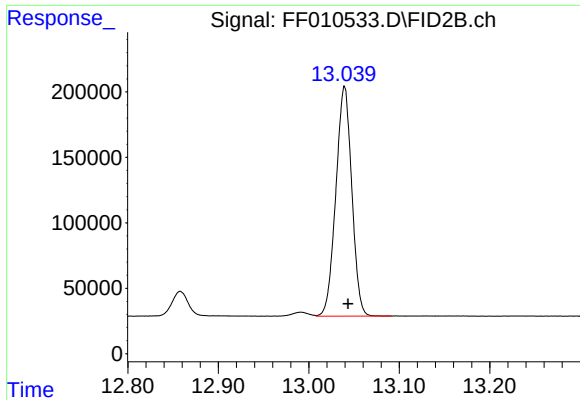
#11 n-Heneicosane (C21)

R.T.: 12.453 min
Delta R.T.: -0.004 min
Response: 2121424
Conc: 16.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.286 min
Delta R.T.: -0.004 min
Response: 1826599
Conc: 16.80 ug/ml



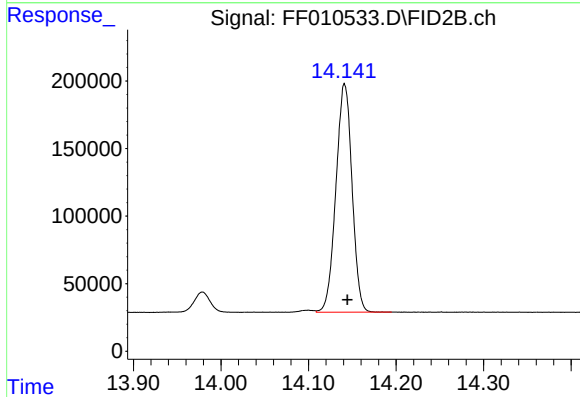
#13 n-Docosane (C22)

R.T.: 13.040 min
Delta R.T.: -0.004 min
Response: 2144310
Conc: 17.14 ug/ml

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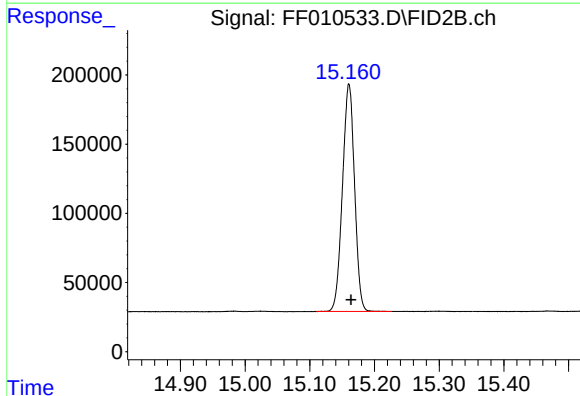
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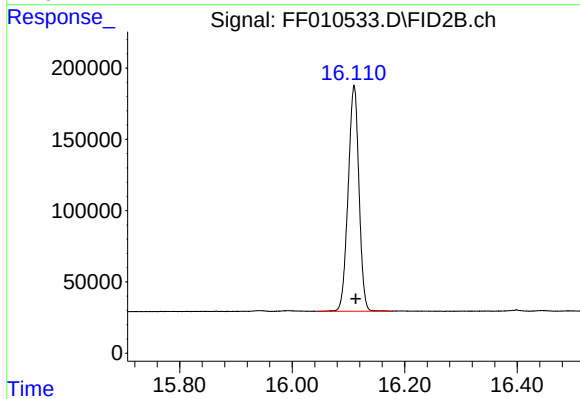
#14 n-Tetracosane (C24)

R.T.: 14.141 min
Delta R.T.: -0.003 min
Response: 2160845
Conc: 17.55 ug/ml



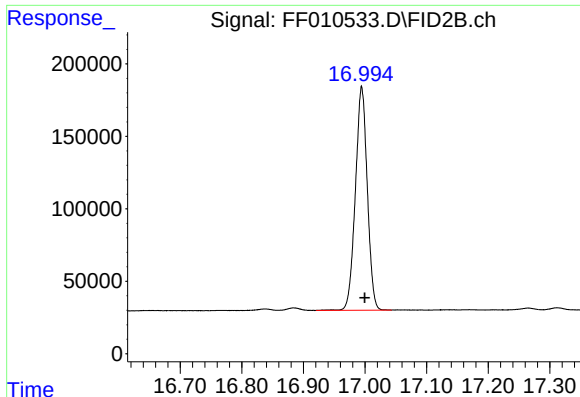
#15 n-Hexacosane (C26)

R.T.: 15.161 min
Delta R.T.: -0.003 min
Response: 2136379
Conc: 17.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.110 min
Delta R.T.: -0.003 min
Response: 2116567
Conc: 18.54 ug/ml



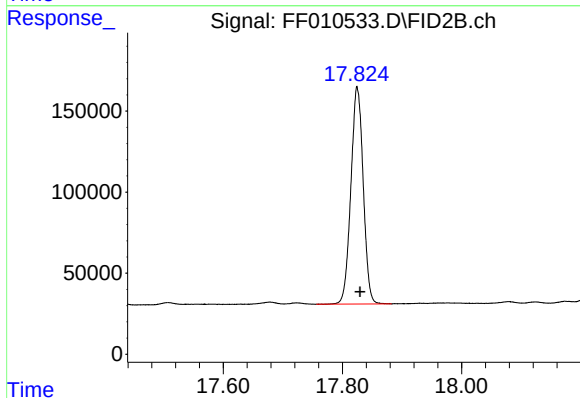
#17 n-Tricontane (C30)

R.T.: 16.995 min
Delta R.T.: -0.005 min
Response: 2070495
Conc: 18.99 ug/ml

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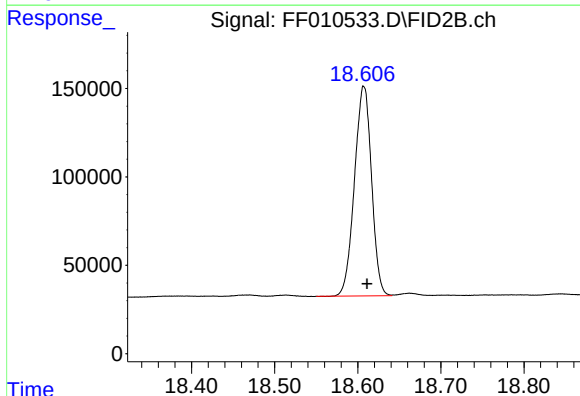
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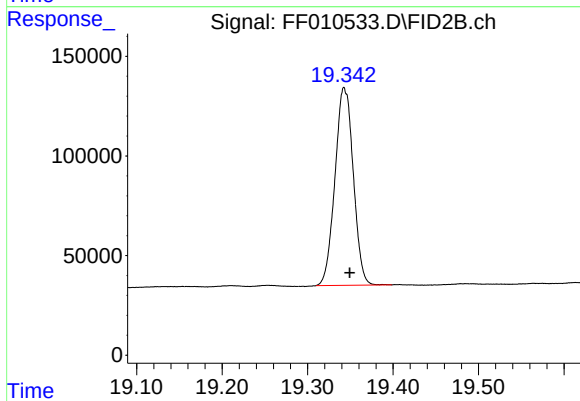
#18 n-Dotriacontane (C32)

R.T.: 17.825 min
Delta R.T.: -0.005 min
Response: 1924163
Conc: 18.78 ug/ml



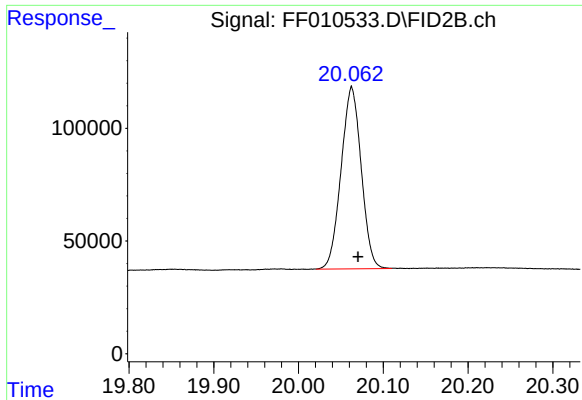
#19 n-Tetratriacontane (C34)

R.T.: 18.607 min
Delta R.T.: -0.004 min
Response: 1693248
Conc: 18.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.343 min
Delta R.T.: -0.007 min
Response: 1479166
Conc: 17.73 ug/ml



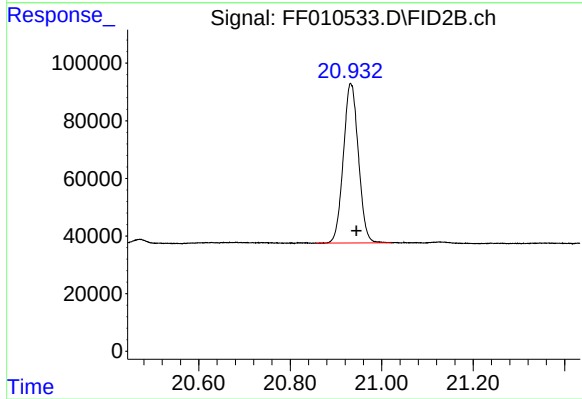
#21 n-Octatriacontane (C38)

R.T.: 20.062 min
Delta R.T.: -0.008 min
Response: 1332678
Conc: 17.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.932 min
Delta R.T.: -0.013 min
Response: 1263187
Conc: 16.90 ug/ml