

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052122AL\
 Data File : FD042598.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2022 6:32
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/23/2022
 Supervised By :Ankita Jodhani 05/23/2022

Integration File: autoint1.e
 Quant Time: May 21 10:47:20 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 051922.M
 Quant Title : GC Extractables
 QLast Update : Thu May 19 05:18:51 2022
 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)	11.207	3025268	18.053 ug/ml
Spiked Amount 50.000		Recovery =	36.11%
12) S 1-chlorooctadecane (S...	12.647	2324316	18.026 ug/ml
Spiked Amount 50.000		Recovery =	36.05%
Target Compounds			
1) T n-Nonane (C9)	3.080	2628560	17.309 ug/ml
2) T n-Decane (C10)	4.124	2751735	18.290 ug/ml
3) T A~Naphthalene (C11.7)	5.676	2793502	18.135 ug/ml
4) T n-Dodecane (C12)	6.118	2833031	18.029 ug/ml
5) T A~2-methylnaphthalene...	6.722	2812561	18.278 ug/ml
6) T n-Tetradecane (C14)	7.894	2826995	17.941 ug/ml
7) T n-Hexadecane (C16)	9.480	2836122	17.957 ug/ml
8) T n-Octadecane (C18)	10.910	2819581	17.877 ug/ml
10) T n-Eicosane (C20)	12.210	2749456	17.850 ug/ml
11) T n-Heneicosane (C21)	12.817	2723067	17.809 ug/ml
13) T n-Docosane (C22)	13.398	2722960	18.185 ug/ml
14) T n-Tetracosane (C24)	14.494	2687565	18.632 ug/mlm
15) T n-Hexacosane (C26)	15.510	2692751	19.228 ug/ml
16) T n-Octacosane (C28)	16.454	2827129	20.739 ug/ml
17) T n-Tricontane (C30)	17.336	3070663	23.064 ug/mlm
18) T n-Dotriacontane (C32)	18.165	3064150	24.080 ug/mlm
19) T n-Tetratriacontane (C34)	18.943	2870344	23.783 ug/mlm
20) T n-Hexatriacontane (C36)	19.680	2686918	23.725 ug/mlm
21) T n-Octatriacontane (C38)	20.377	2390206	22.134 ug/mlm
22) T n-Tetracontane (C40)	21.152	2138191	20.044 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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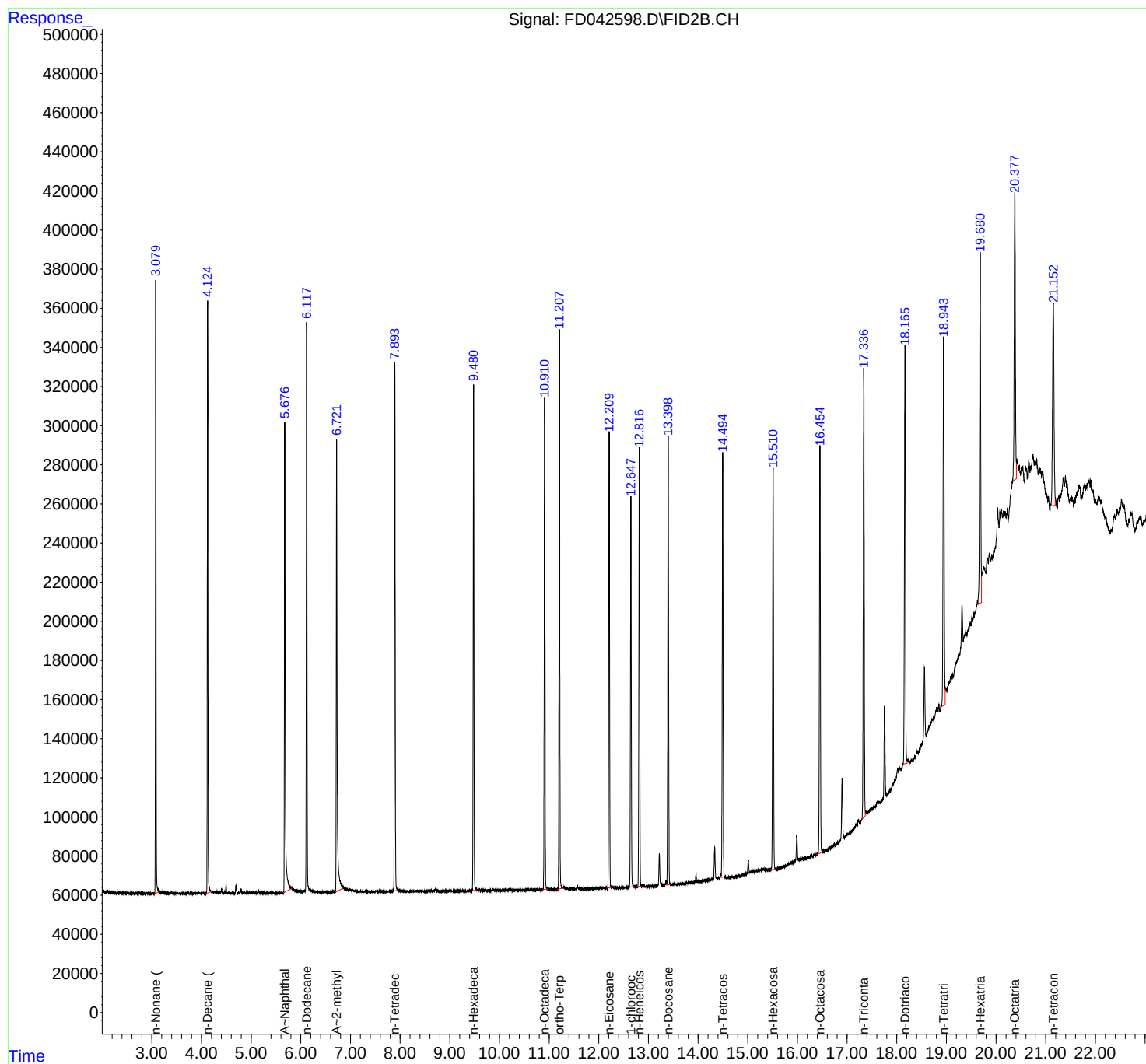
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20 PPM ALIPHATIC HC STD

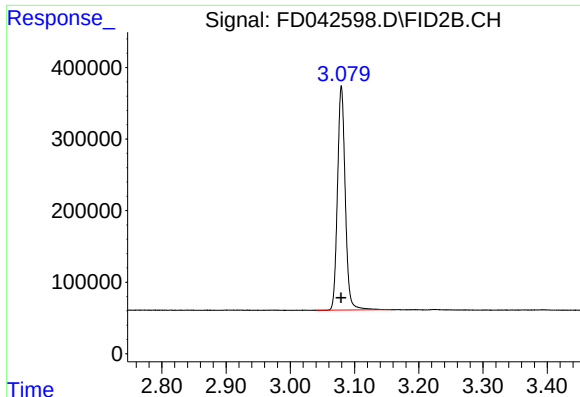
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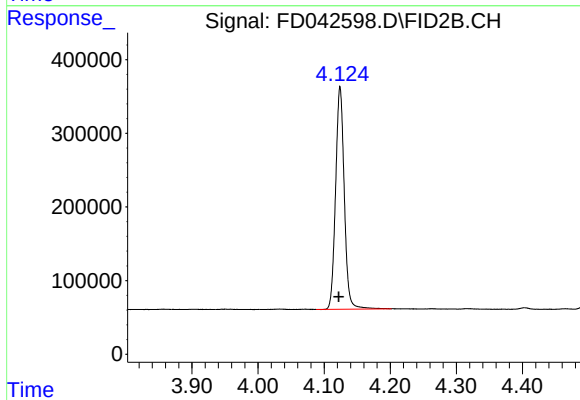
#1 n-Nonane (C9)

R.T.: 3.080 min
Delta R.T.: 0.000 min
Response: 2628560
Conc: 17.31 ug/ml

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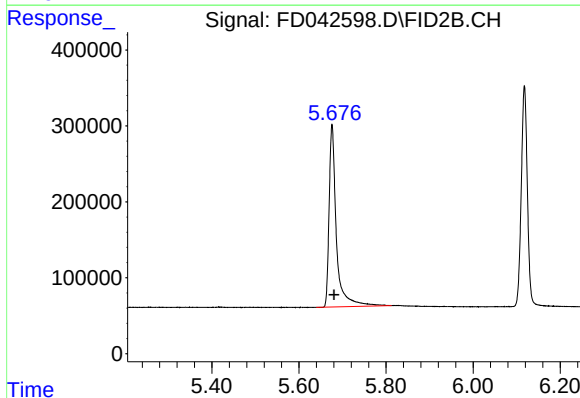
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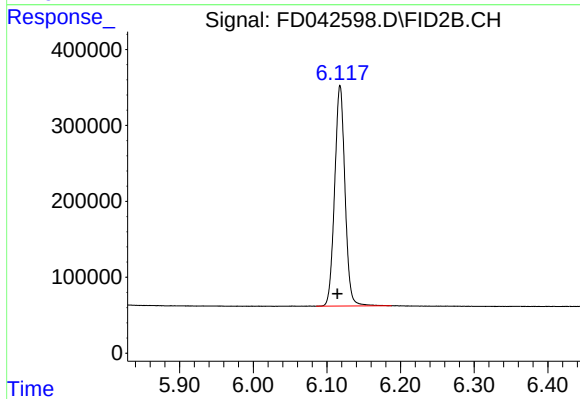
#2 n-Decane (C10)

R.T.: 4.124 min
Delta R.T.: 0.002 min
Response: 2751735
Conc: 18.29 ug/ml



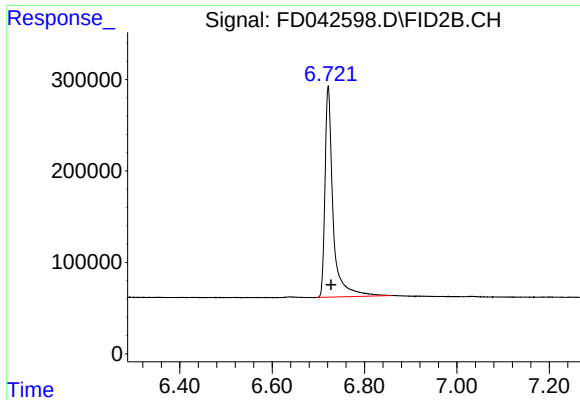
#3 A~Naphthalene (C11.7)

R.T.: 5.676 min
Delta R.T.: -0.005 min
Response: 2793502
Conc: 18.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.118 min
Delta R.T.: 0.004 min
Response: 2833031
Conc: 18.03 ug/ml



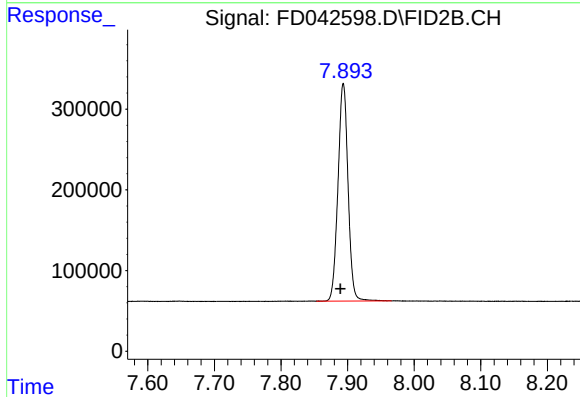
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.722 min
Delta R.T.: -0.006 min
Response: 2812561
Conc: 18.28 ug/ml

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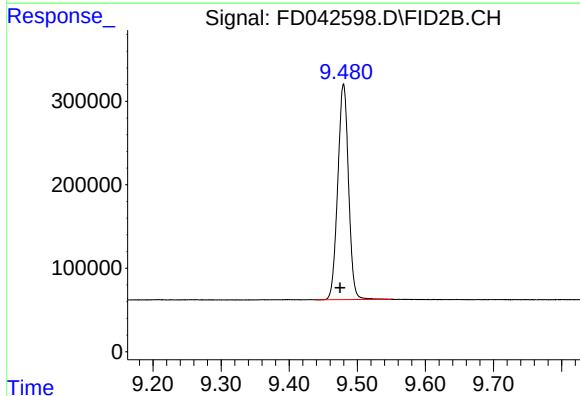
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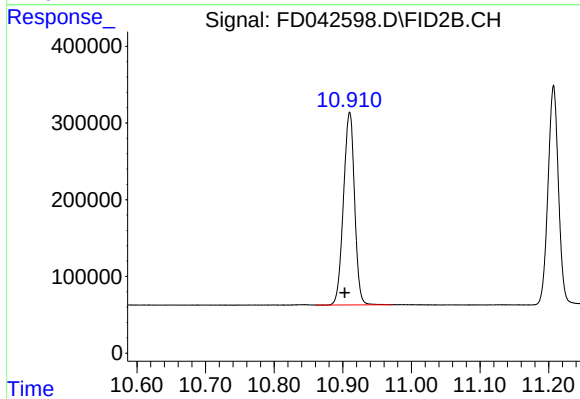
#6 n-Tetradecane (C14)

R.T.: 7.894 min
Delta R.T.: 0.005 min
Response: 2826995
Conc: 17.94 ug/ml



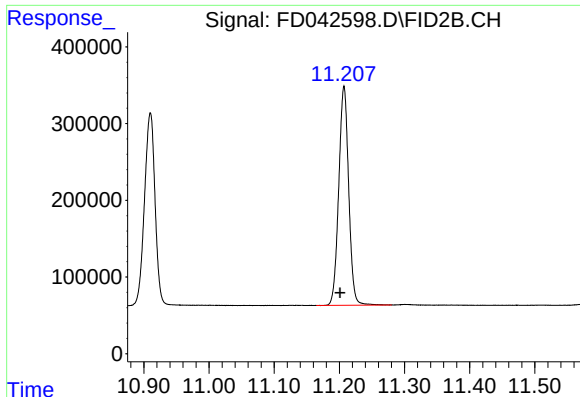
#7 n-Hexadecane (C16)

R.T.: 9.480 min
Delta R.T.: 0.005 min
Response: 2836122
Conc: 17.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.910 min
Delta R.T.: 0.007 min
Response: 2819581
Conc: 17.88 ug/ml



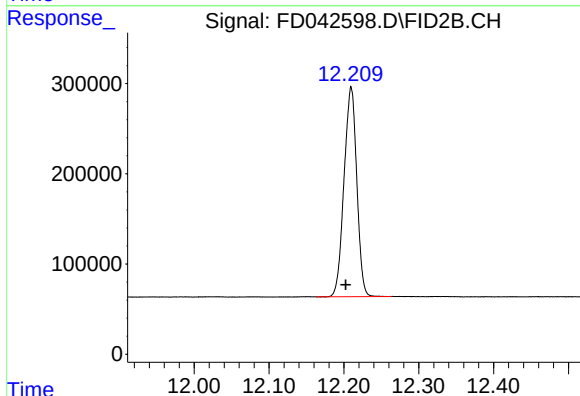
#9 ortho-Terphenyl (SURR)

R.T.: 11.207 min
Delta R.T.: 0.006 min
Response: 3025268
Conc: 18.05 ug/ml

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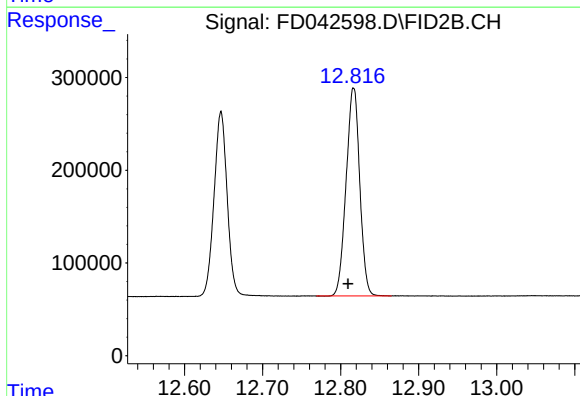
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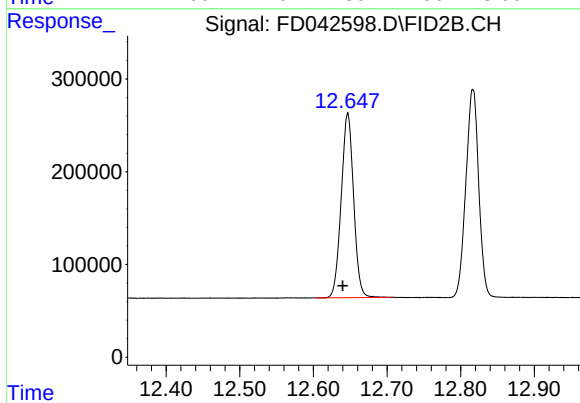
#10 n-Eicosane (C20)

R.T.: 12.210 min
Delta R.T.: 0.007 min
Response: 2749456
Conc: 17.85 ug/ml



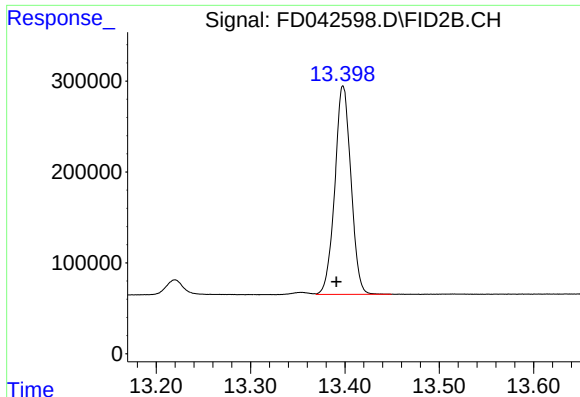
#11 n-Heneicosane (C21)

R.T.: 12.817 min
Delta R.T.: 0.007 min
Response: 2723067
Conc: 17.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.647 min
Delta R.T.: 0.007 min
Response: 2324316
Conc: 18.03 ug/ml



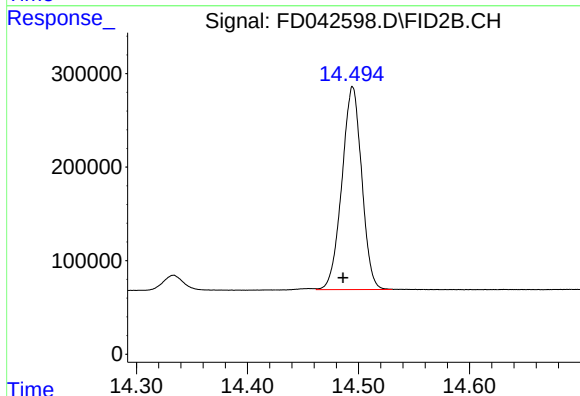
#13 n-Docosane (C22)

R.T.: 13.398 min
Delta R.T.: 0.007 min
Response: 2722960
Conc: 18.18 ug/ml

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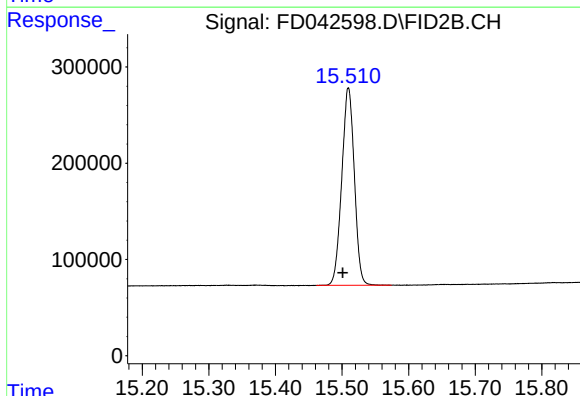
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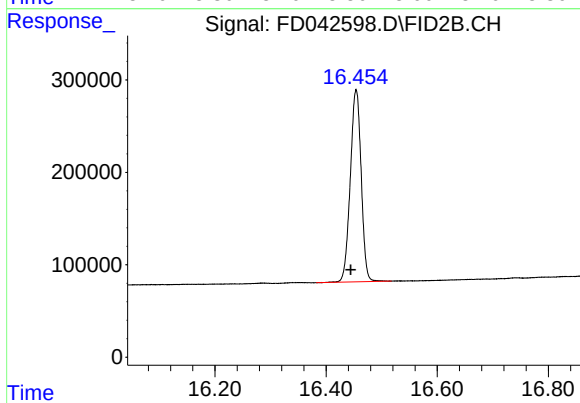
#14 n-Tetracosane (C24)

R.T.: 14.494 min
Delta R.T.: 0.008 min
Response: 2687565
Conc: 18.63 ug/ml m



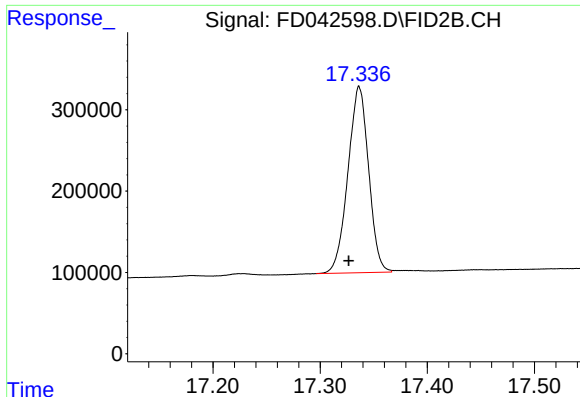
#15 n-Hexacosane (C26)

R.T.: 15.510 min
Delta R.T.: 0.009 min
Response: 2692751
Conc: 19.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.454 min
Delta R.T.: 0.010 min
Response: 2827129
Conc: 20.74 ug/ml



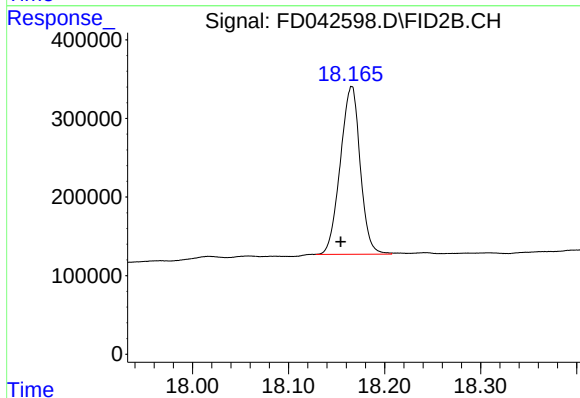
#17 n-Tricontane (C30)

R.T.: 17.336 min
Delta R.T.: 0.009 min
Response: 3070663
Conc: 23.06 ug/ml

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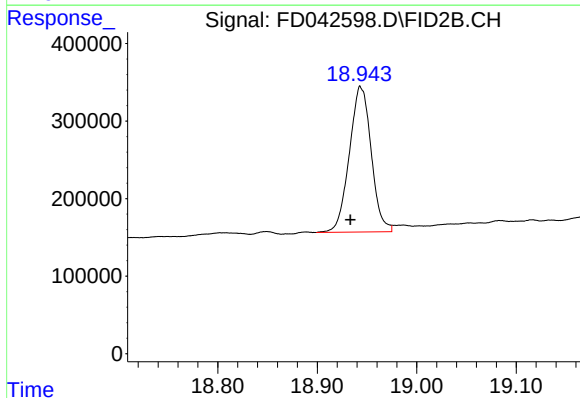
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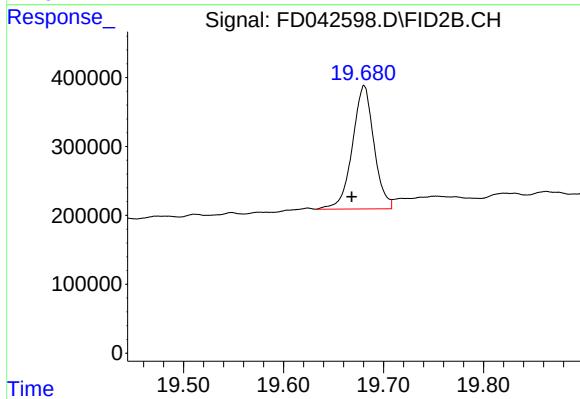
#18 n-Dotriacontane (C32)

R.T.: 18.165 min
Delta R.T.: 0.011 min
Response: 3064150
Conc: 24.08 ug/ml m



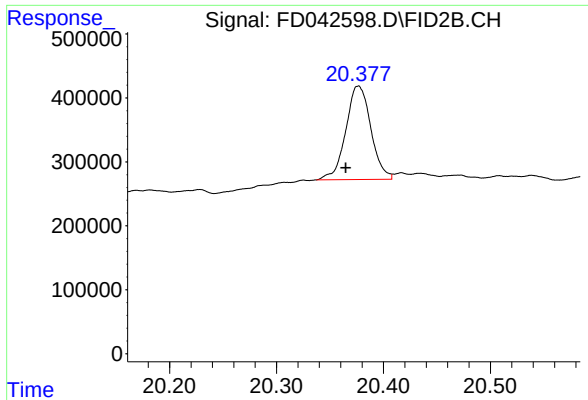
#19 n-Tetratriacontane (C34)

R.T.: 18.943 min
Delta R.T.: 0.009 min
Response: 2870344
Conc: 23.78 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.680 min
Delta R.T.: 0.012 min
Response: 2686918
Conc: 23.73 ug/ml m



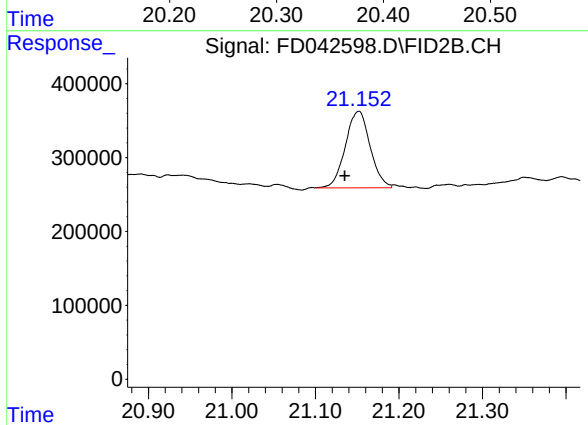
#21 n-Octatriacontane (C38)

R.T.: 20.377 min
Delta R.T.: 0.012 min
Response: 2390206
Conc: 22.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.152 min
Delta R.T.: 0.017 min
Response: 2138191
Conc: 20.04 ug/ml m