

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051322AL\
 Data File : FD042466.D
 Signal(s) : FID2B.CH
 Acq On : 14 May 2022 3:52
 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 05/16/2022
 Supervised By :mohammad ahmed 05/16/2022

Integration File: sample.E
 Quant Time: May 14 04:25:29 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 22 01:55:29 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)	11.202	3136662	18.703 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
12) S 1-chlorooctadecane (S...	12.640	2432873	18.437 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
Target Compounds			
1) T n-Nonane (C9)	3.080	2599294	19.070 ug/ml
2) T n-Decane (C10)	4.124	2659733	19.847 ug/ml
3) T A~Naphthalene (C11.7)	5.674	2767233	19.090 ug/ml
4) T n-Dodecane (C12)	6.117	2788097	19.584 ug/ml
5) T A~2-methylnaphthalene...	6.720	2768521	19.867 ug/ml
6) T n-Tetradecane (C14)	7.892	2819554	19.794 ug/ml
7) T n-Hexadecane (C16)	9.478	2900163	19.957 ug/ml
8) T n-Octadecane (C18)	10.904	2889515	19.280 ug/ml
10) T n-Eicosane (C20)	12.203	2871277	18.759 ug/ml
11) T n-Heneicosane (C21)	12.810	2827310	18.339 ug/ml
13) T n-Docosane (C22)	13.391	2803310	18.186 ug/ml
14) T n-Tetracosane (C24)	14.485	2758690	17.838 ug/ml
15) T n-Hexacosane (C26)	15.499	2670500	17.361 ug/ml
16) T n-Octacosane (C28)	16.442	2703985	17.686 ug/ml
17) T n-Tricontane (C30)	17.324	2780861	18.539 ug/ml
18) T n-Dotriacontane (C32)	18.153	2720207	19.238 ug/ml
19) T n-Tetratriacontane (C34)	18.931	2513691	19.533 ug/ml
20) T n-Hexatriacontane (C36)	19.667	2276347	20.116 ug/mlm
21) T n-Octatriacontane (C38)	20.364	2154127	21.590 ug/mlm
22) T n-Tetracontane (C40)	21.133	2015467	22.345 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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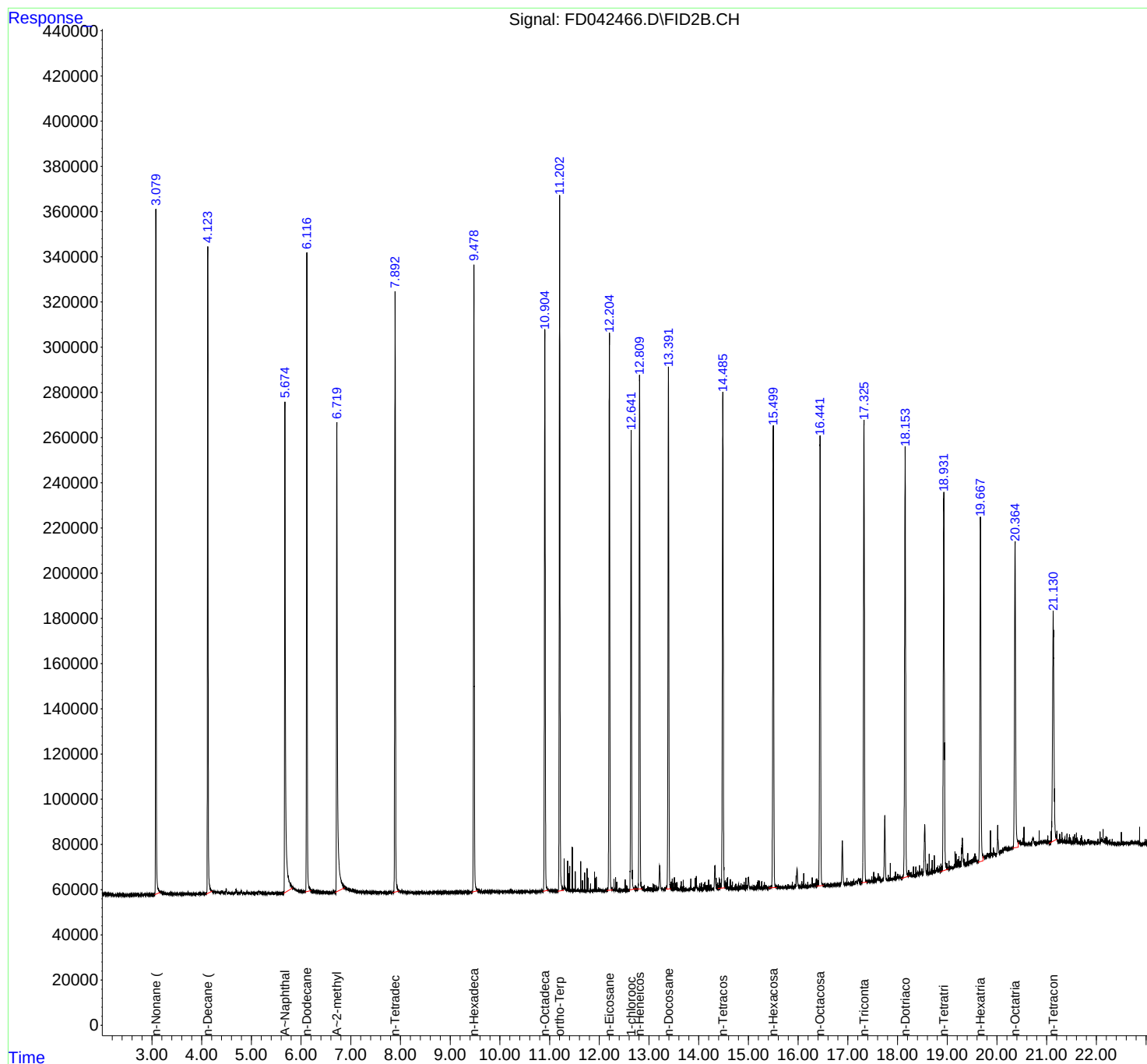
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20 PPM ALIPHATIC HC STD

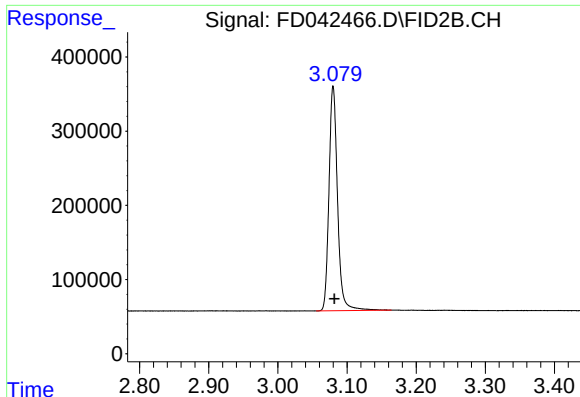
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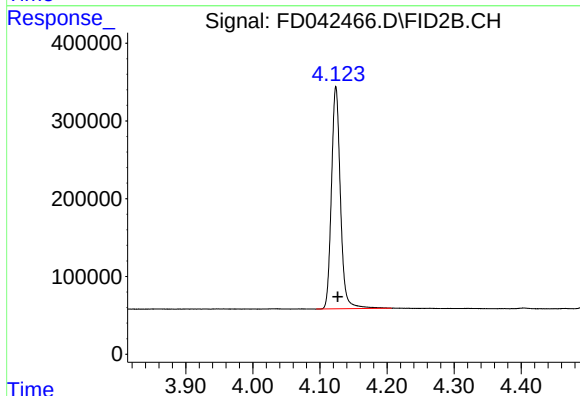
#1 n-Nonane (C9)

R.T.: 3.080 min
Delta R.T.: -0.002 min
Response: 2599294
Conc: 19.07 ug/ml

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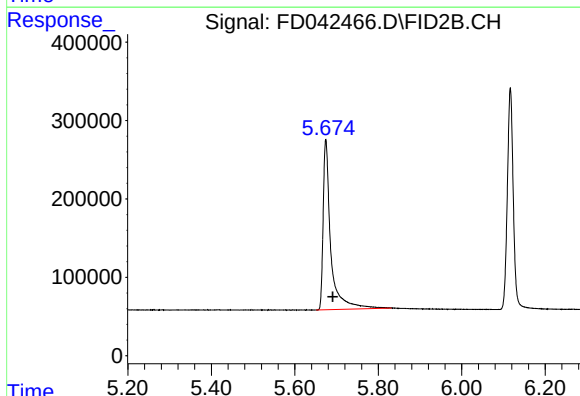
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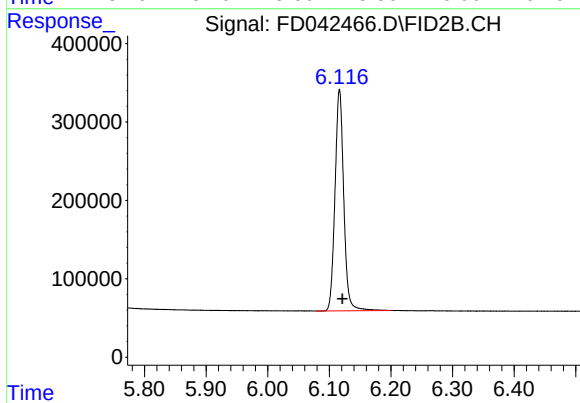
#2 n-Decane (C10)

R.T.: 4.124 min
Delta R.T.: -0.003 min
Response: 2659733
Conc: 19.85 ug/ml



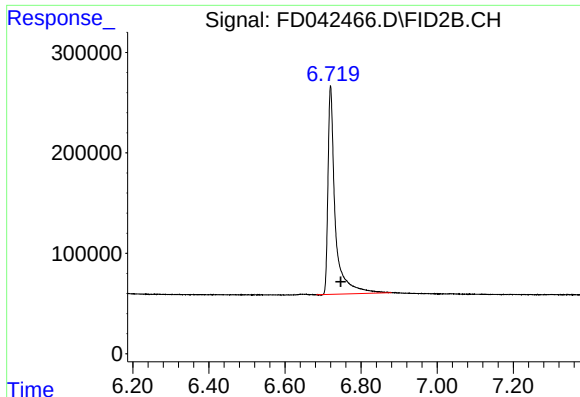
#3 A~Naphthalene (C11.7)

R.T.: 5.674 min
Delta R.T.: -0.017 min
Response: 2767233
Conc: 19.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 2788097
Conc: 19.58 ug/ml



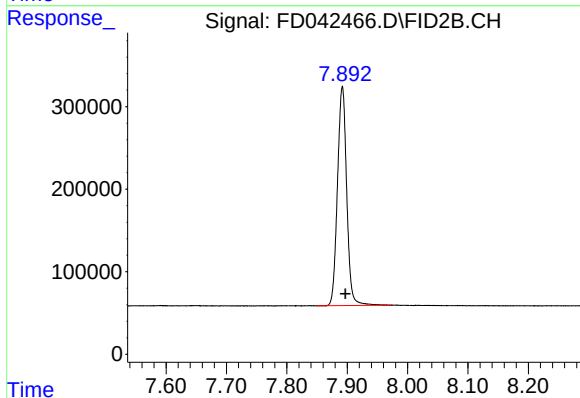
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.720 min
Delta R.T.: -0.026 min
Response: 2768521
Conc: 19.87 ug/ml

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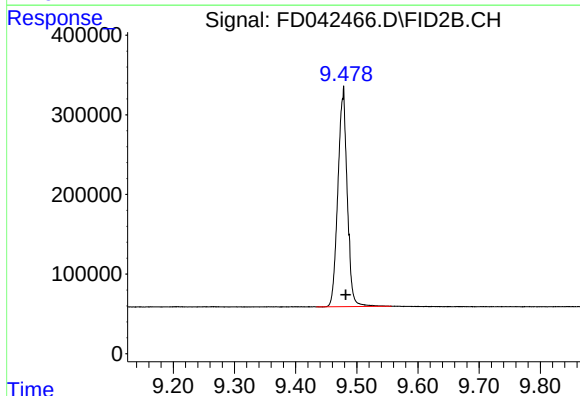
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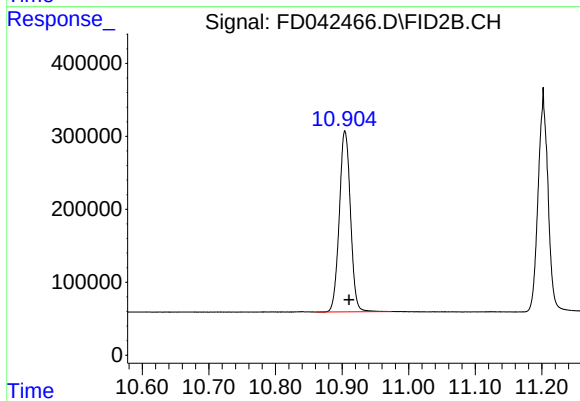
#6 n-Tetradecane (C14)

R.T.: 7.892 min
Delta R.T.: -0.005 min
Response: 2819554
Conc: 19.79 ug/ml



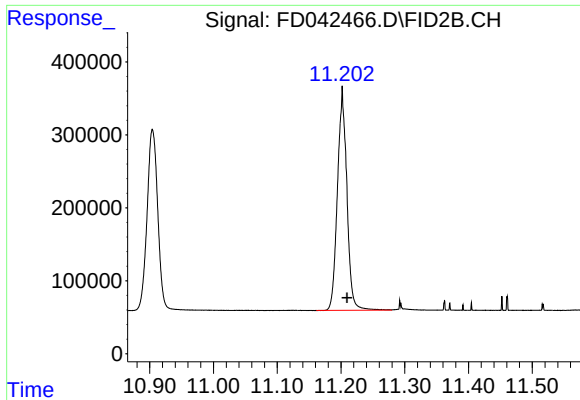
#7 n-Hexadecane (C16)

R.T.: 9.478 min
Delta R.T.: -0.004 min
Response: 2900163
Conc: 19.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.904 min
Delta R.T.: -0.006 min
Response: 2889515
Conc: 19.28 ug/ml



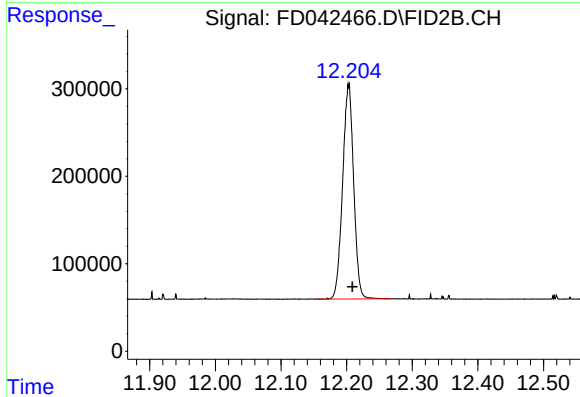
#9 ortho-Terphenyl (SURR)

R.T.: 11.202 min
Delta R.T.: -0.007 min
Response: 3136662
Conc: 18.70 ug/ml

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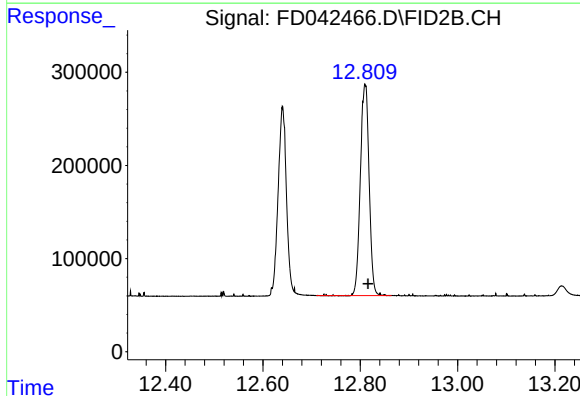
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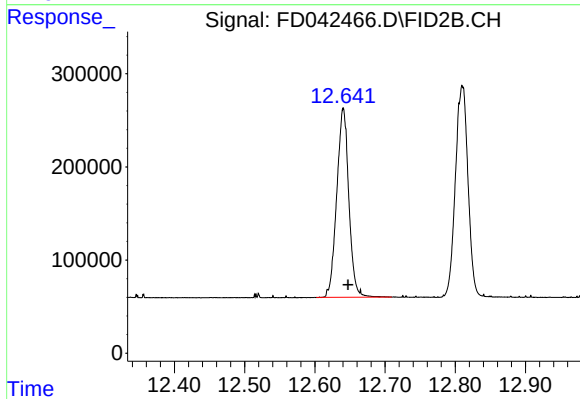
#10 n-Eicosane (C20)

R.T.: 12.203 min
Delta R.T.: -0.005 min
Response: 2871277
Conc: 18.76 ug/ml



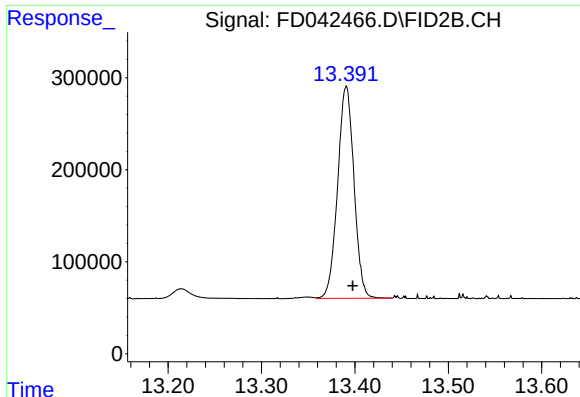
#11 n-Heneicosane (C21)

R.T.: 12.810 min
Delta R.T.: -0.006 min
Response: 2827310
Conc: 18.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.640 min
Delta R.T.: -0.007 min
Response: 2432873
Conc: 18.44 ug/ml



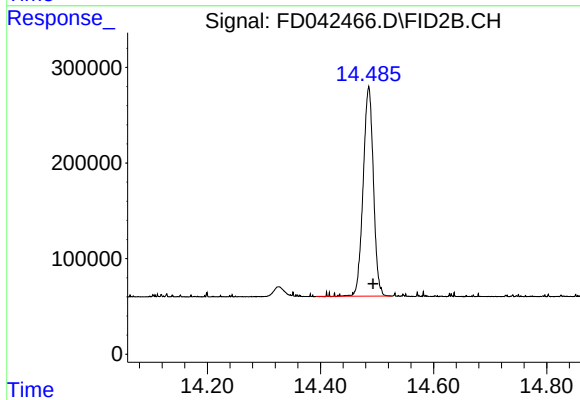
#13 n-Docosane (C22)

R.T.: 13.391 min
Delta R.T.: -0.007 min
Response: 2803310
Conc: 18.19 ug/ml

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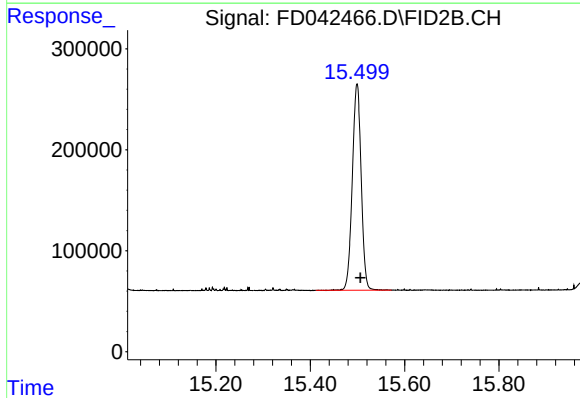
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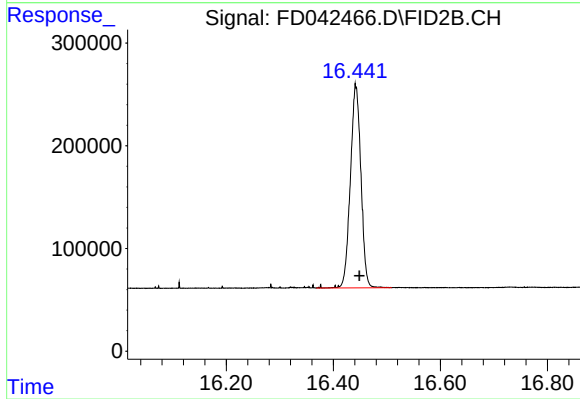
#14 n-Tetracosane (C24)

R.T.: 14.485 min
Delta R.T.: -0.008 min
Response: 2758690
Conc: 17.84 ug/ml



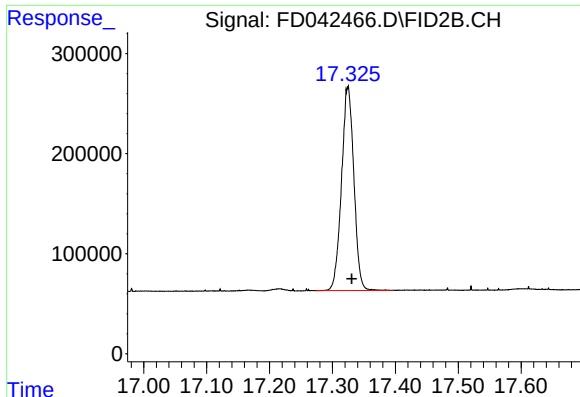
#15 n-Hexacosane (C26)

R.T.: 15.499 min
Delta R.T.: -0.007 min
Response: 2670500
Conc: 17.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.442 min
Delta R.T.: -0.007 min
Response: 2703985
Conc: 17.69 ug/ml



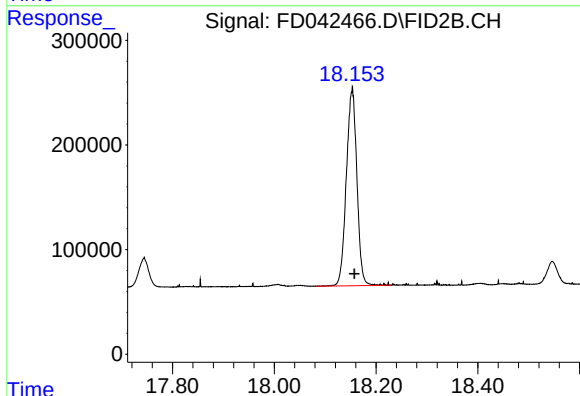
#17 n-Tricontane (C30)

R.T.: 17.324 min
Delta R.T.: -0.006 min
Response: 2780861
Conc: 18.54 ug/ml

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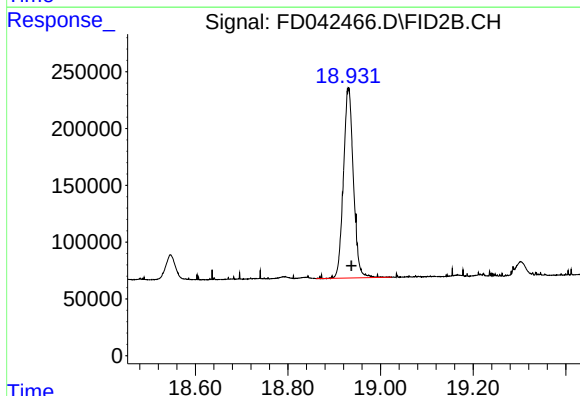
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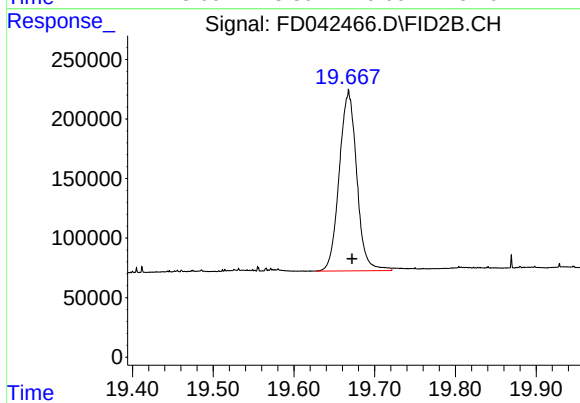
#18 n-Dotriacontane (C32)

R.T.: 18.153 min
Delta R.T.: -0.004 min
Response: 2720207
Conc: 19.24 ug/ml



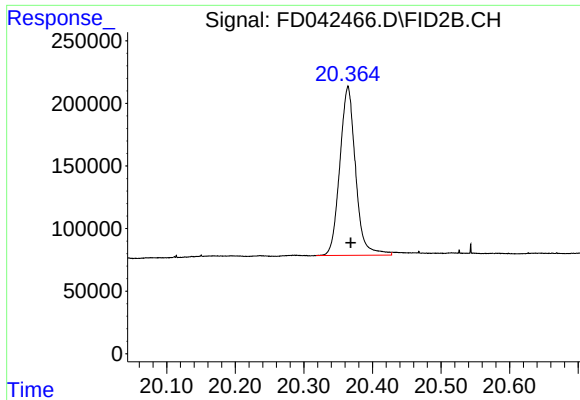
#19 n-Tetratriacontane (C34)

R.T.: 18.931 min
Delta R.T.: -0.006 min
Response: 2513691
Conc: 19.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.667 min
Delta R.T.: -0.005 min
Response: 2276347
Conc: 20.12 ug/ml m



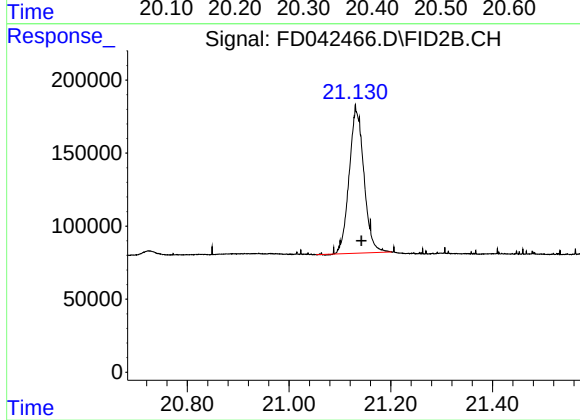
#21 n-Octatriacontane (C38)

R.T.: 20.364 min
Delta R.T.: -0.004 min
Response: 2154127
Conc: 21.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.133 min
Delta R.T.: -0.010 min
Response: 2015467
Conc: 22.34 ug/ml