

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051022AL\
 Data File : FD042385.D
 Signal(s) : FID2B.CH
 Acq On : 10 May 2022 14:01
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/11/2022
 Supervised By :mohammad ahmed 05/11/2022

Integration File: sample.E
 Quant Time: May 11 02:07:46 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)	11.207	2918114	17.400 ug/ml
Spiked Amount 50.000		Recovery =	34.80%
12) S 1-chlorooctadecane (S...	12.646	2265786	17.170 ug/ml
Spiked Amount 50.000		Recovery =	34.34%
Target Compounds			
1) T n-Nonane (C9)	3.083	2647437	19.423 ug/ml
2) T n-Decane (C10)	4.127	2644849	19.736 ug/ml
3) T A~Naphthalene (C11.7)	5.678	2673172	18.442 ug/ml
4) T n-Dodecane (C12)	6.120	2728851	19.168 ug/ml
5) T A~2-methylnaphthalene...	6.723	2667113	19.139 ug/ml
6) T n-Tetradecane (C14)	7.895	2733587	19.190 ug/ml
7) T n-Hexadecane (C16)	9.481	2726396	18.762 ug/ml
8) T n-Octadecane (C18)	10.910	2747364	18.331 ug/ml
10) T n-Eicosane (C20)	12.209	2740307	17.903 ug/ml
11) T n-Heneicosane (C21)	12.816	2674448	17.348 ug/ml
13) T n-Docosane (C22)	13.399	2892463	18.765 ug/ml
14) T n-Tetracosane (C24)	14.494	3154691	20.398 ug/ml
15) T n-Hexacosane (C26)	15.508	3354940	21.811 ug/ml
16) T n-Octacosane (C28)	16.452	3626963	23.723 ug/ml
17) T n-Tricontane (C30)	17.333	3652796	24.352 ug/ml
18) T n-Dotriacontane (C32)	18.161	3292376	23.284 ug/ml
19) T n-Tetratriacontane (C34)	18.939	2749869	21.368 ug/ml
20) T n-Hexatriacontane (C36)	19.675	2287849	20.218 ug/ml
21) T n-Octatriacontane (C38)	20.371	2167712	21.726 ug/mlm
22) T n-Tetracontane (C40)	21.141	2136262	23.684 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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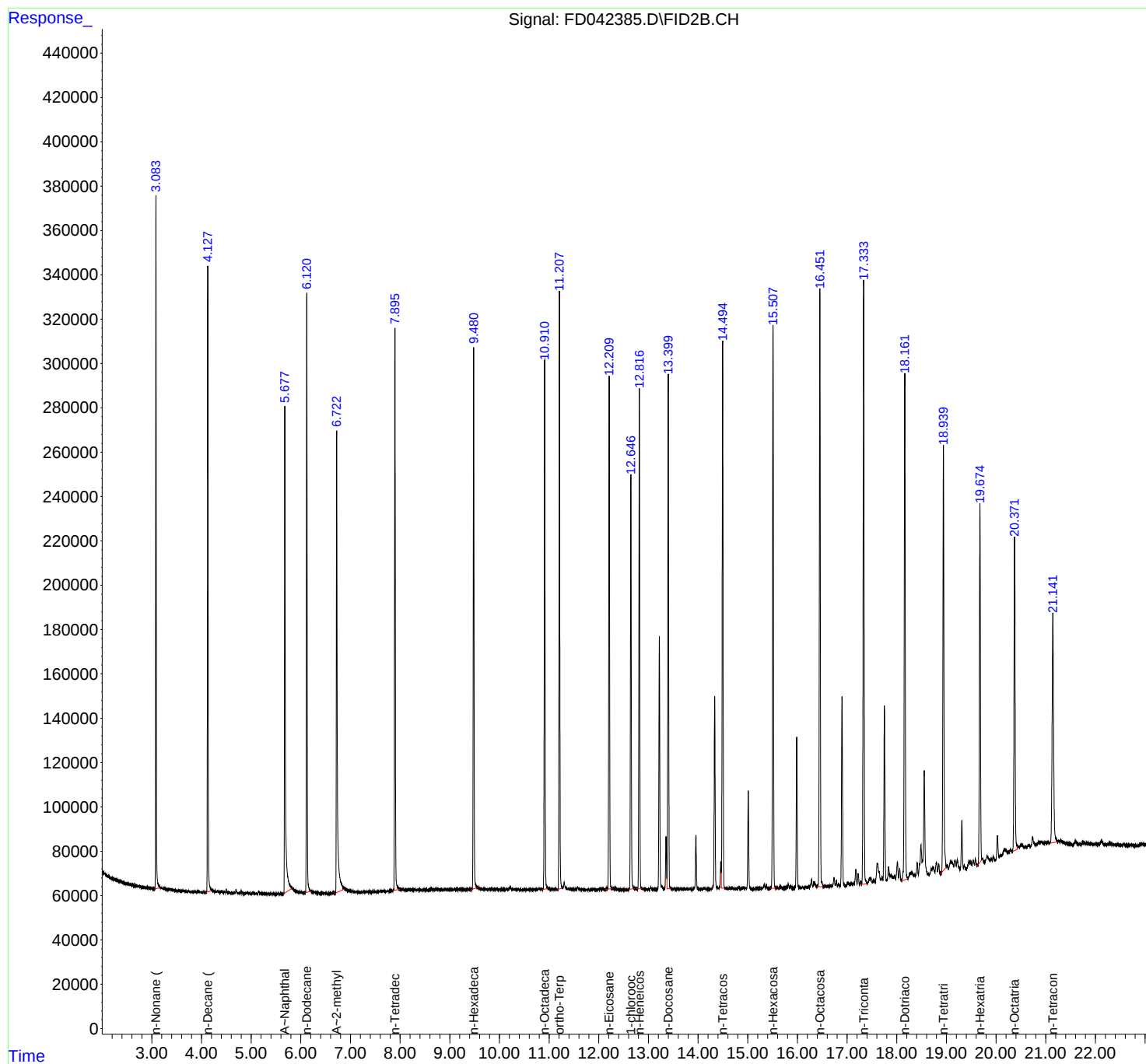
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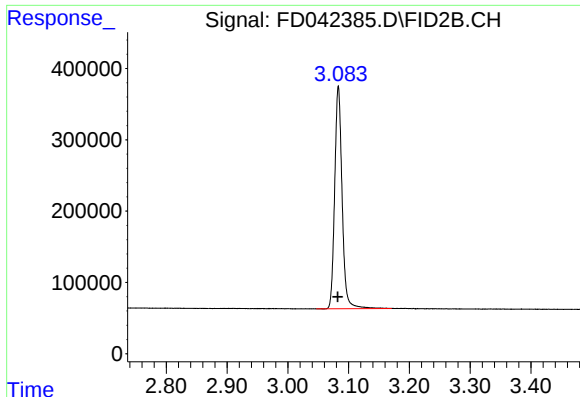
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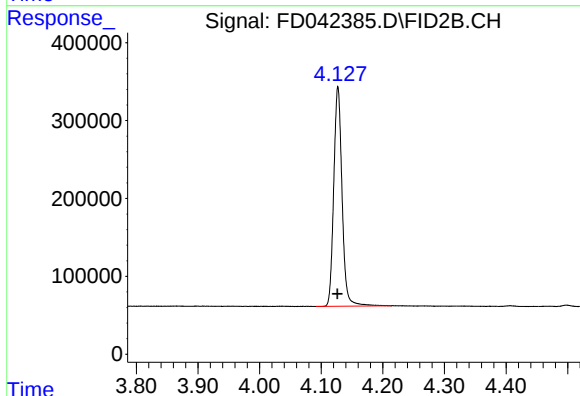
#1 n-Nonane (C9)

R.T.: 3.083 min
Delta R.T.: 0.001 min
Response: 2647437
Conc: 19.42 ug/ml

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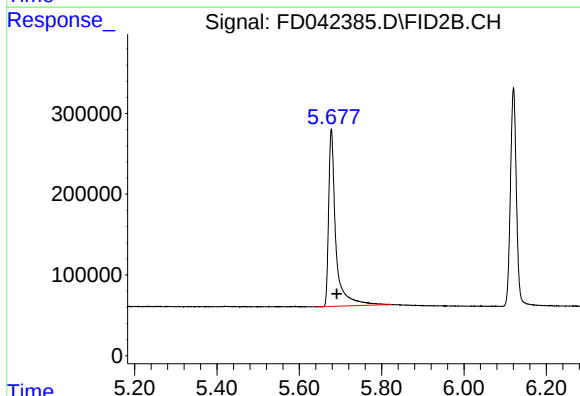
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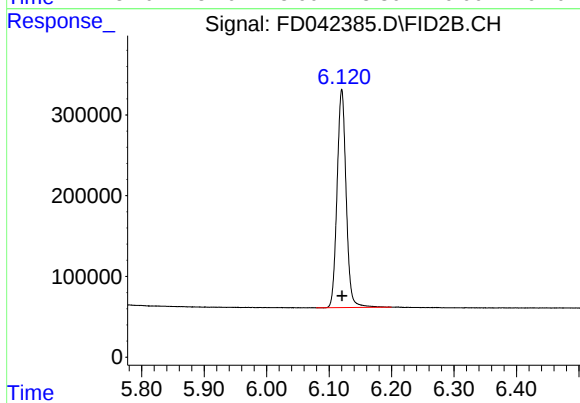
#2 n-Decane (C10)

R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 2644849
Conc: 19.74 ug/ml



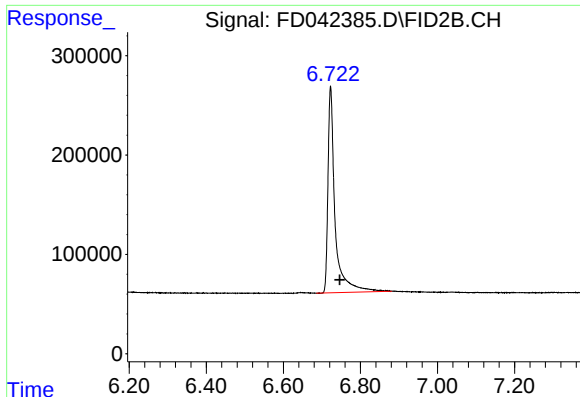
#3 A~Naphthalene (C11.7)

R.T.: 5.678 min
Delta R.T.: -0.013 min
Response: 2673172
Conc: 18.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.120 min
Delta R.T.: 0.000 min
Response: 2728851
Conc: 19.17 ug/ml



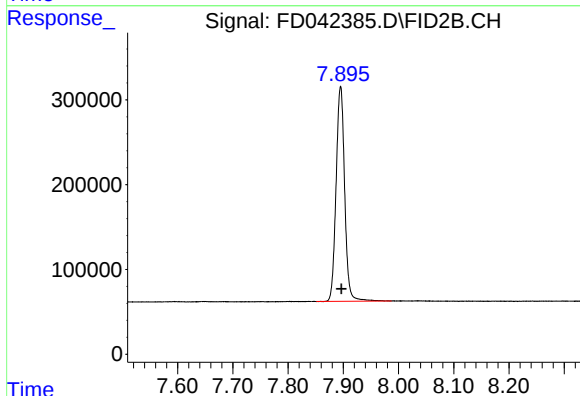
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.723 min
Delta R.T.: -0.024 min
Response: 2667113
Conc: 19.14 ug/ml

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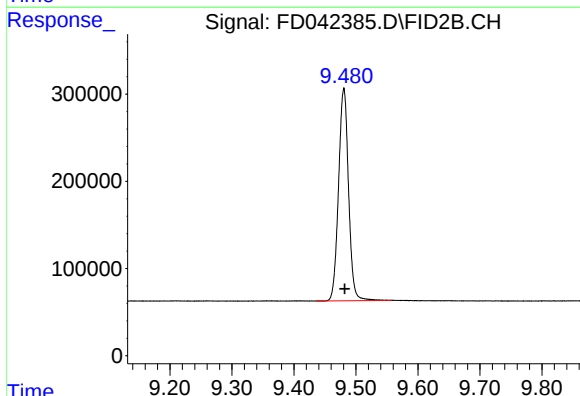
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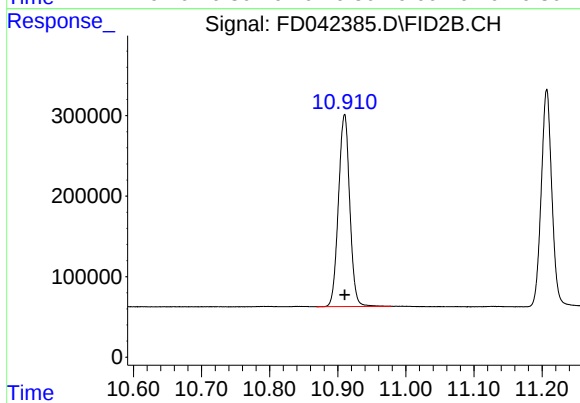
#6 n-Tetradecane (C14)

R.T.: 7.895 min
Delta R.T.: -0.002 min
Response: 2733587
Conc: 19.19 ug/ml



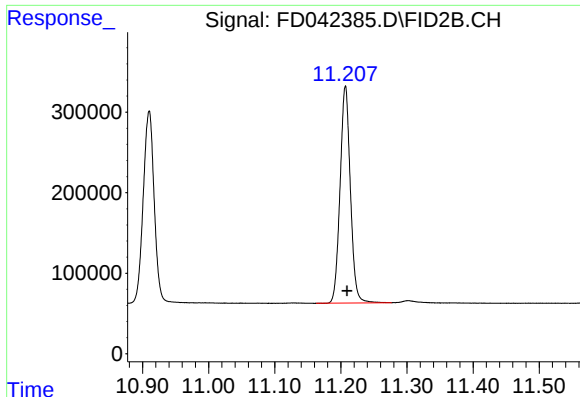
#7 n-Hexadecane (C16)

R.T.: 9.481 min
Delta R.T.: -0.002 min
Response: 2726396
Conc: 18.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.910 min
Delta R.T.: 0.000 min
Response: 2747364
Conc: 18.33 ug/ml



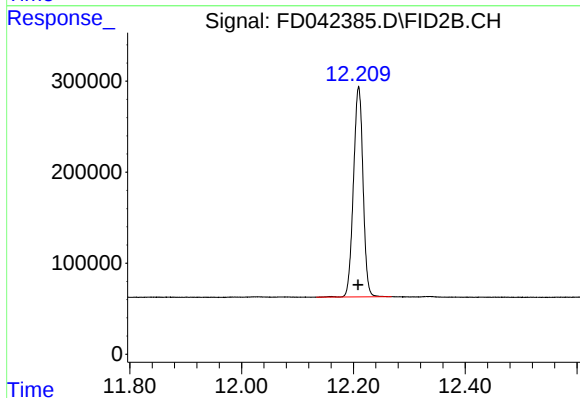
#9 ortho-Terphenyl (SURR)

R.T.: 11.207 min
Delta R.T.: -0.002 min
Response: 2918114
Conc: 17.40 ug/ml

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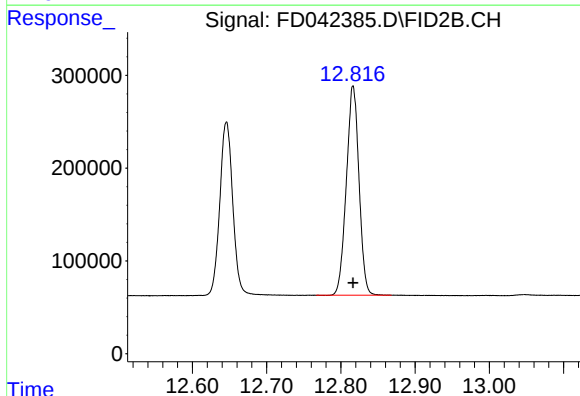
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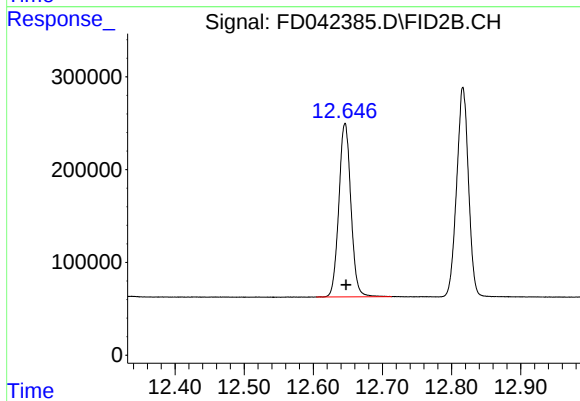
#10 n-Eicosane (C20)

R.T.: 12.209 min
Delta R.T.: 0.000 min
Response: 2740307
Conc: 17.90 ug/ml



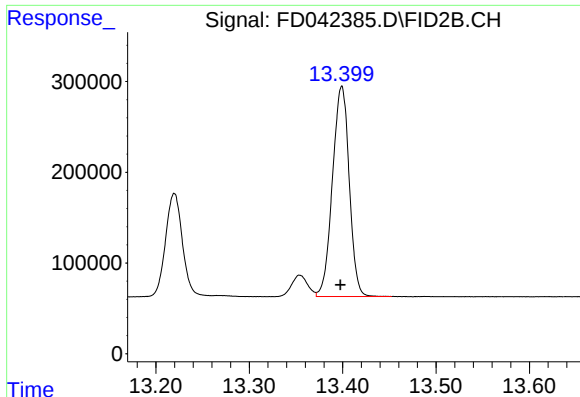
#11 n-Heneicosane (C21)

R.T.: 12.816 min
Delta R.T.: 0.000 min
Response: 2674448
Conc: 17.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.646 min
Delta R.T.: -0.002 min
Response: 2265786
Conc: 17.17 ug/ml



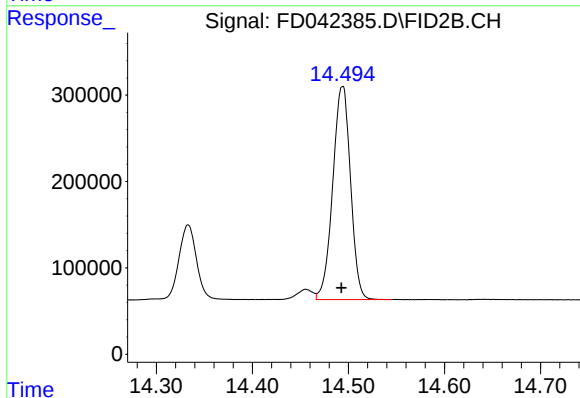
#13 n-Docosane (C22)

R.T.: 13.399 min
Delta R.T.: 0.002 min
Response: 2892463
Conc: 18.76 ug/ml

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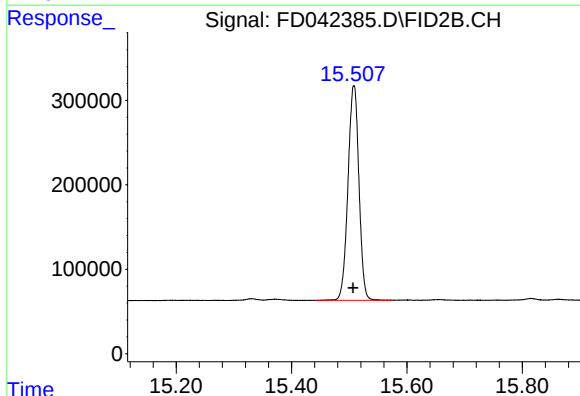
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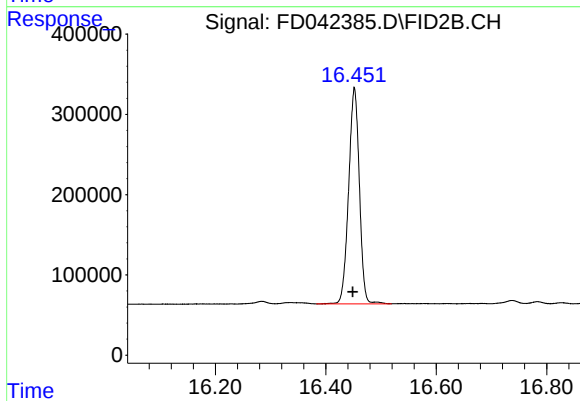
#14 n-Tetracosane (C24)

R.T.: 14.494 min
Delta R.T.: 0.000 min
Response: 3154691
Conc: 20.40 ug/ml



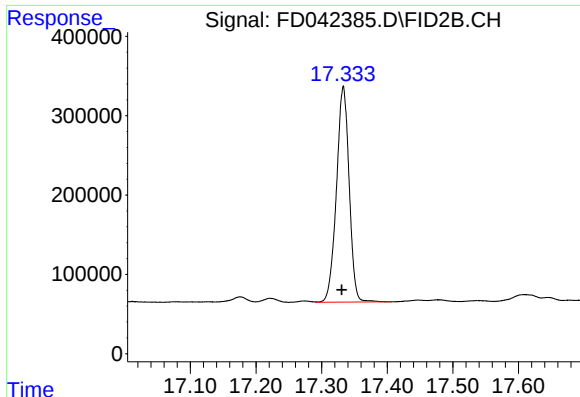
#15 n-Hexacosane (C26)

R.T.: 15.508 min
Delta R.T.: 0.002 min
Response: 3354940
Conc: 21.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.452 min
Delta R.T.: 0.003 min
Response: 3626963
Conc: 23.72 ug/ml



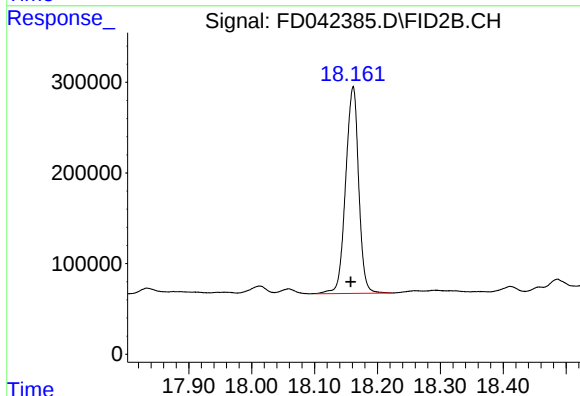
#17 n-Tricontane (C30)

R.T.: 17.333 min
Delta R.T.: 0.002 min
Response: 3652796
Conc: 24.35 ug/ml

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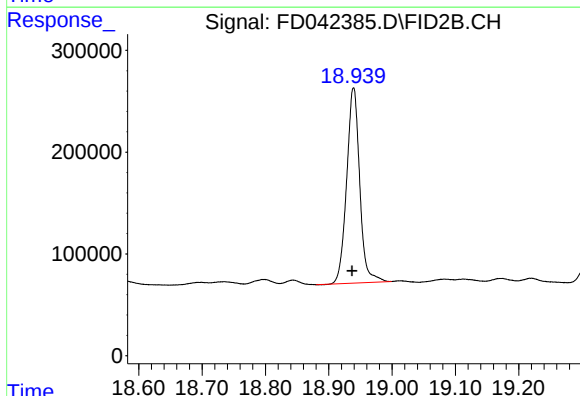
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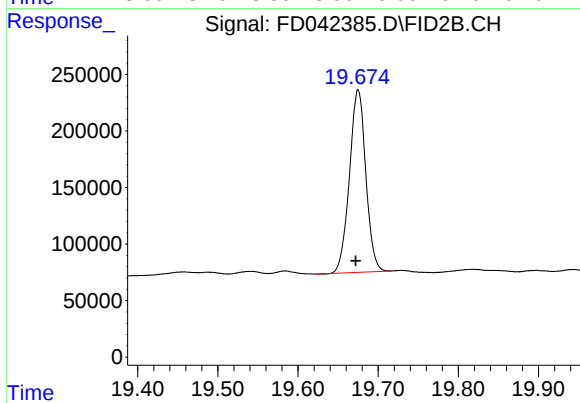
#18 n-Dotriacontane (C32)

R.T.: 18.161 min
Delta R.T.: 0.004 min
Response: 3292376
Conc: 23.28 ug/ml



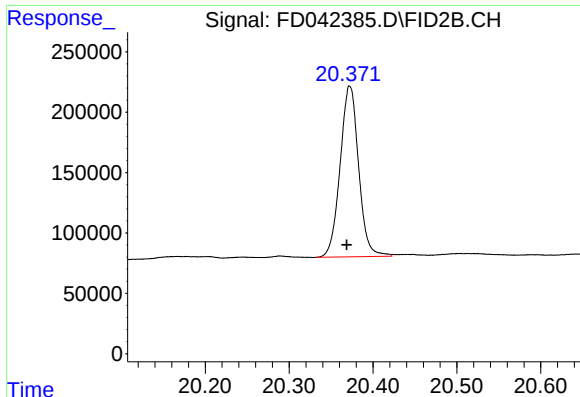
#19 n-Tetratriacontane (C34)

R.T.: 18.939 min
Delta R.T.: 0.002 min
Response: 2749869
Conc: 21.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.675 min
Delta R.T.: 0.003 min
Response: 2287849
Conc: 20.22 ug/ml



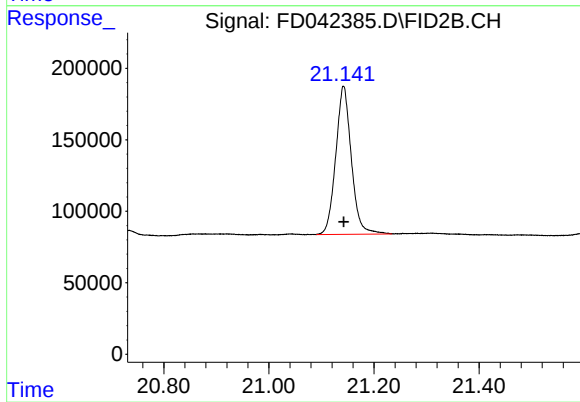
#21 n-Octatriacontane (C38)

R.T.: 20.371 min
Delta R.T.: 0.002 min
Response: 2167712
Conc: 21.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.141 min
Delta R.T.: -0.002 min
Response: 2136262
Conc: 23.68 ug/ml m