

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121621AL\
 Data File : FD039989.D
 Signal(s) : FID2B.CH
 Acq On : 17 Dec 2021 9:38
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/17/2021
 Supervised By :Ankita Jodhani 12/17/2021

Integration File: autoint1.e
 Quant Time: Dec 17 10:11:03 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 121521.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 16:44:55 2021
 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)	10.763	3279066	20.887 ug/ml
Spiked Amount 50.000		Recovery =	41.77%
12) S 1-chlorooctadecane (S...	12.198	2586484	20.944 ug/ml
Spiked Amount 50.000		Recovery =	41.89%
Target Compounds			
1) T n-Nonane (C9)	2.663	2963037	21.056 ug/ml
2) T n-Decane (C10)	3.664	3002294	21.050 ug/ml
3) T A~Naphthalene (C11.7)	5.213	3366899	20.974 ug/ml
4) T n-Dodecane (C12)	5.645	3008915	21.073 ug/ml
5) T A~2-methylnaphthalene...	6.257	3392110	21.020 ug/ml
6) T n-Tetradecane (C14)	7.427	3045937	21.133 ug/ml
7) T n-Hexadecane (C16)	9.019	3073252	21.125 ug/ml
8) T n-Octadecane (C18)	10.453	3133606	21.059 ug/ml
10) T n-Eicosane (C20)	11.757	3086792	21.106 ug/ml
11) T n-Heneicosane (C21)	12.367	3078916	20.956 ug/ml
13) T n-Docosane (C22)	12.951	3040006	20.818 ug/ml
14) T n-Tetracosane (C24)	14.050	3029700	20.802 ug/ml
15) T n-Hexacosane (C26)	15.066	2899656	20.674 ug/ml
16) T n-Octacosane (C28)	16.014	2819264	20.787 ug/ml
17) T n-Tricontane (C30)	16.897	2774706	21.234 ug/ml
18) T n-Dotriacontane (C32)	17.728	2614064	21.004 ug/mlm
19) T n-Tetratriacontane (C34)	18.510	2555775	21.160 ug/ml
20) T n-Hexatriacontane (C36)	19.248	2385997	20.747 ug/mlm
21) T n-Octatriacontane (C38)	19.962	2326570	20.843 ug/ml
22) T n-Tetracontane (C40)	20.817	2212672	19.419 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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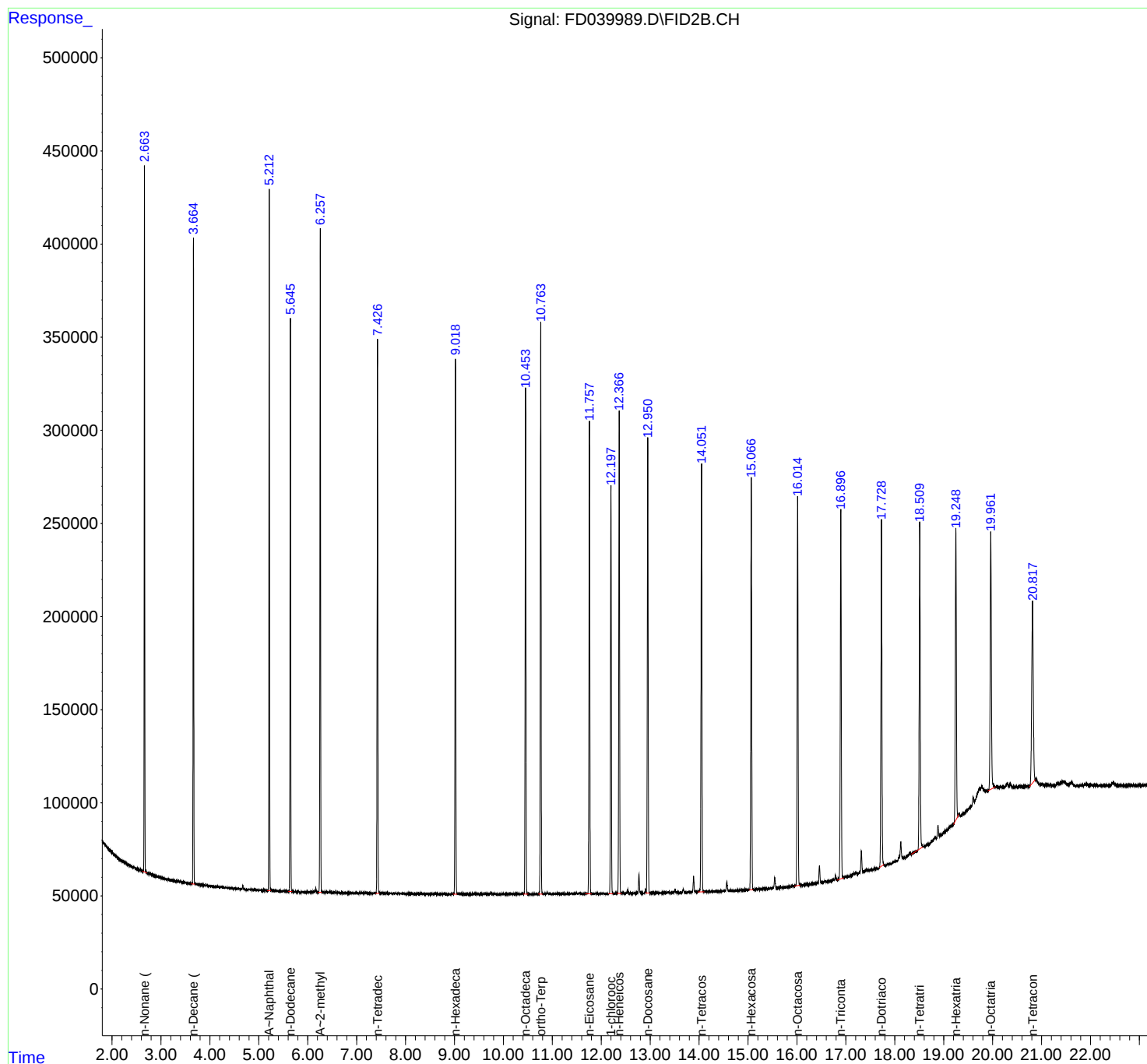
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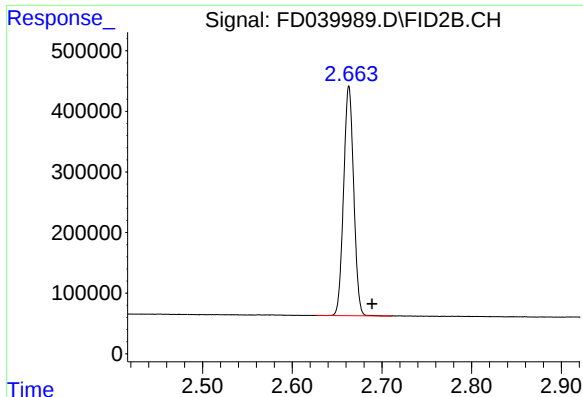
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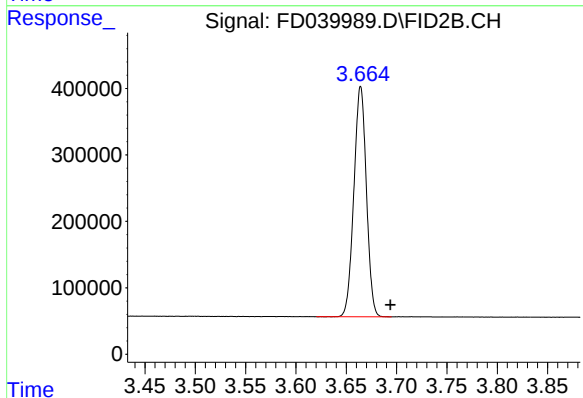
#1 n-Nonane (C9)

R.T.: 2.663 min
Delta R.T.: -0.026 min
Response: 2963037
Conc: 21.06 ug/ml

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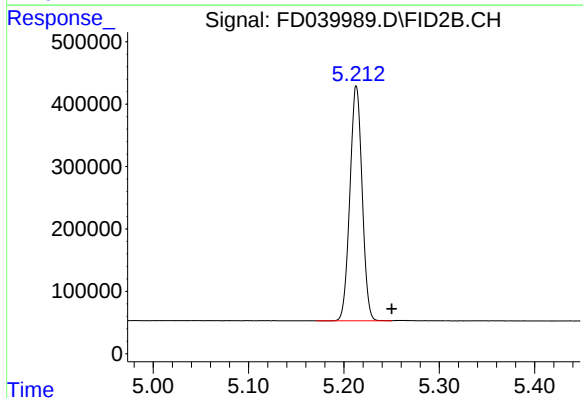
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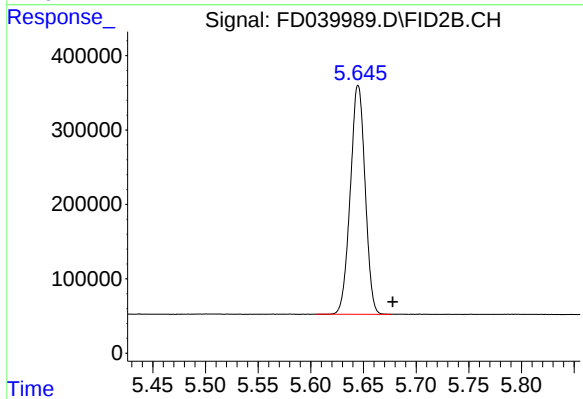
#2 n-Decane (C10)

R.T.: 3.664 min
Delta R.T.: -0.029 min
Response: 3002294
Conc: 21.05 ug/ml



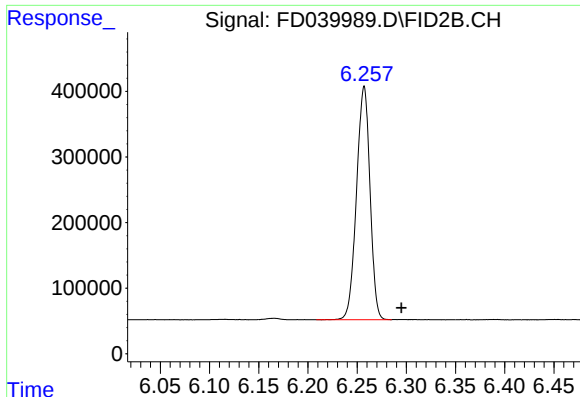
#3 A~Naphthalene (C11.7)

R.T.: 5.213 min
Delta R.T.: -0.037 min
Response: 3366899
Conc: 20.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.645 min
Delta R.T.: -0.033 min
Response: 3008915
Conc: 21.07 ug/ml



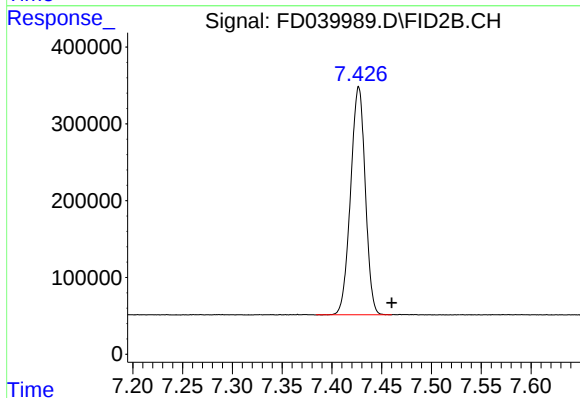
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.257 min
Delta R.T.: -0.038 min
Response: 3392110
Conc: 21.02 ug/ml

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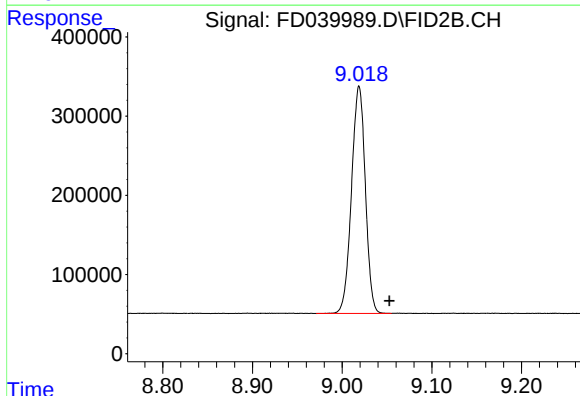
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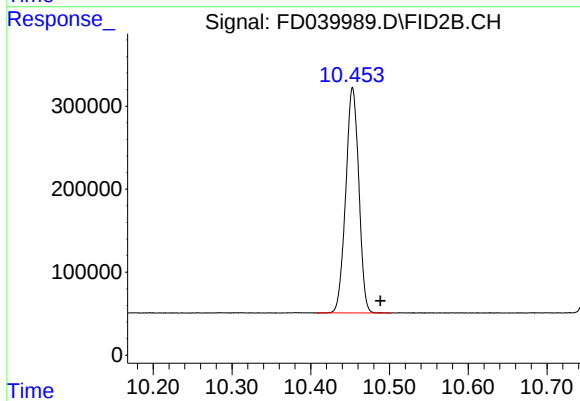
#6 n-Tetradecane (C14)

R.T.: 7.427 min
Delta R.T.: -0.033 min
Response: 3045937
Conc: 21.13 ug/ml



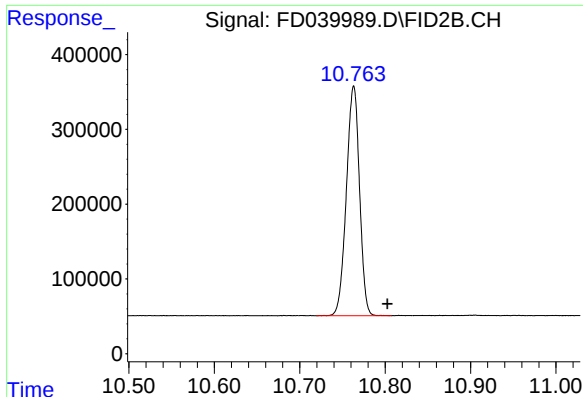
#7 n-Hexadecane (C16)

R.T.: 9.019 min
Delta R.T.: -0.034 min
Response: 3073252
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.453 min
Delta R.T.: -0.035 min
Response: 3133606
Conc: 21.06 ug/ml



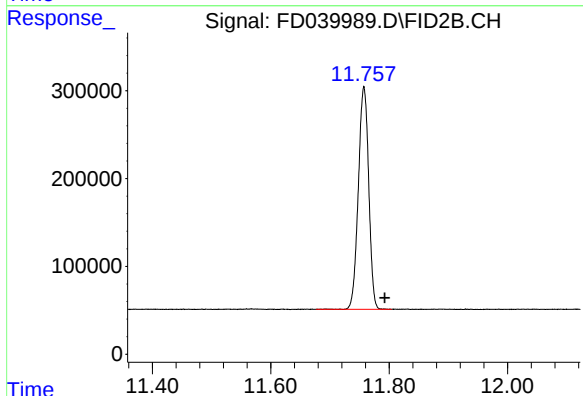
#9 ortho-Terphenyl (SURR)

R.T.: 10.763 min
Delta R.T.: -0.040 min
Response: 3279066
Conc: 20.89 ug/ml

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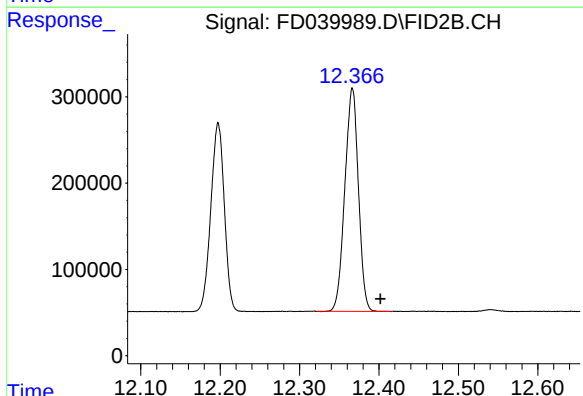
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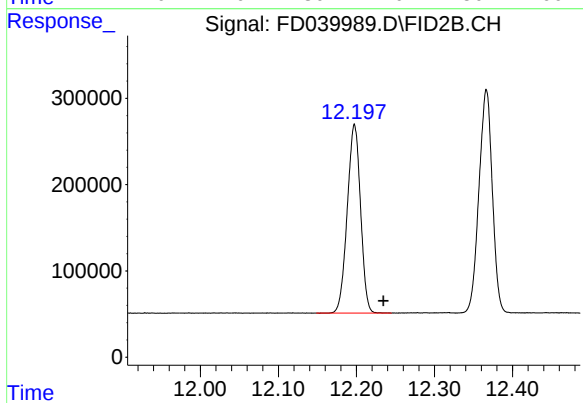
#10 n-Eicosane (C20)

R.T.: 11.757 min
Delta R.T.: -0.035 min
Response: 3086792
Conc: 21.11 ug/ml



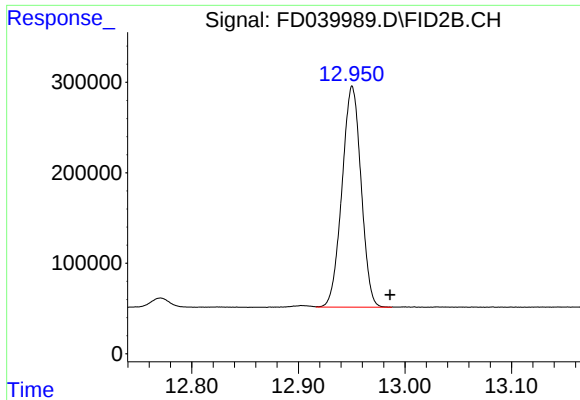
#11 n-Heneicosane (C21)

R.T.: 12.367 min
Delta R.T.: -0.035 min
Response: 3078916
Conc: 20.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.198 min
Delta R.T.: -0.037 min
Response: 2586484
Conc: 20.94 ug/ml



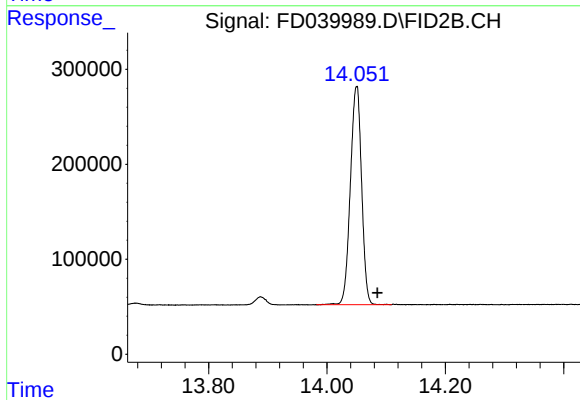
#13 n-Docosane (C22)

R.T.: 12.951 min
Delta R.T.: -0.035 min
Response: 3040006
Conc: 20.82 ug/ml

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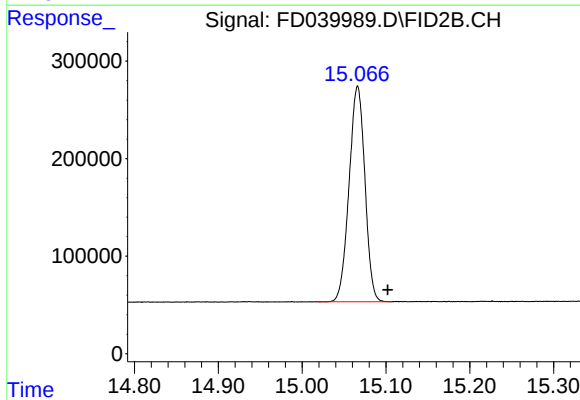
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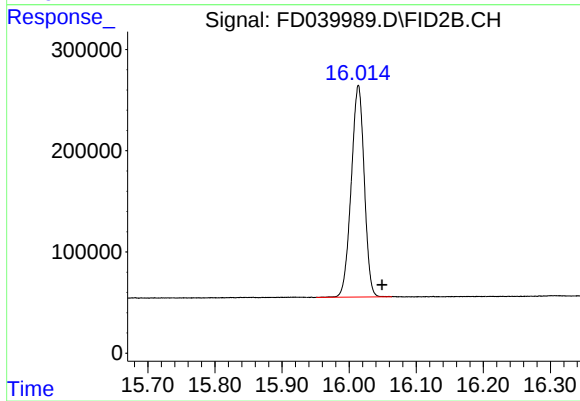
#14 n-Tetracosane (C24)

R.T.: 14.050 min
Delta R.T.: -0.035 min
Response: 3029700
Conc: 20.80 ug/ml



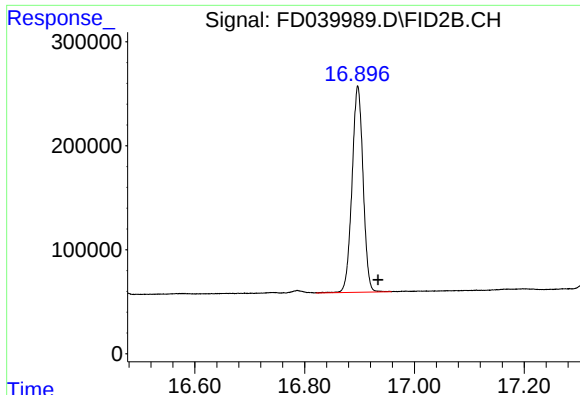
#15 n-Hexacosane (C26)

R.T.: 15.066 min
Delta R.T.: -0.036 min
Response: 2899656
Conc: 20.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.014 min
Delta R.T.: -0.035 min
Response: 2819264
Conc: 20.79 ug/ml



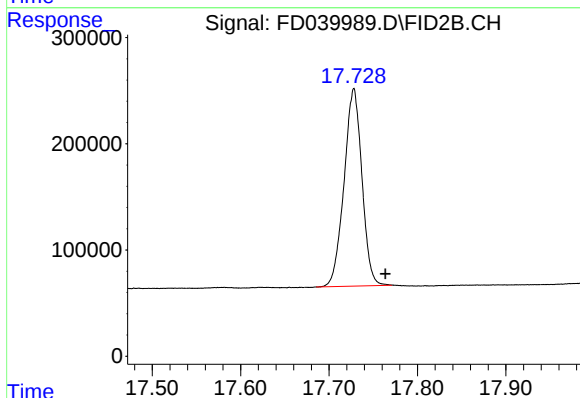
#17 n-Tricontane (C30)

R.T.: 16.897 min
Delta R.T.: -0.037 min
Response: 2774706
Conc: 21.23 ug/ml

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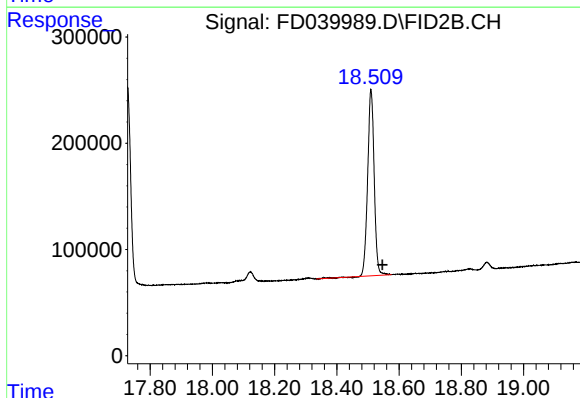
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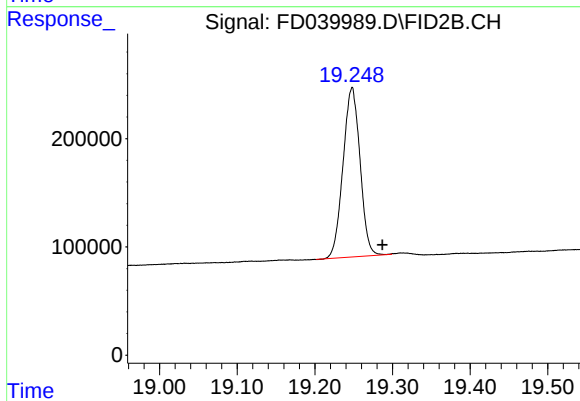
#18 n-Dotriacontane (C32)

R.T.: 17.728 min
Delta R.T.: -0.036 min
Response: 2614064
Conc: 21.00 ug/ml m



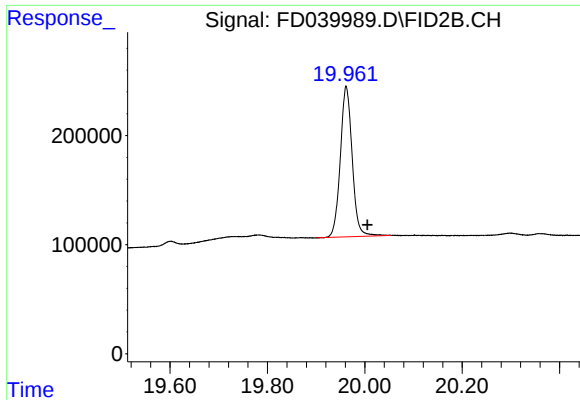
#19 n-Tetratriacontane (C34)

R.T.: 18.510 min
Delta R.T.: -0.037 min
Response: 2555775
Conc: 21.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.248 min
Delta R.T.: -0.039 min
Response: 2385997
Conc: 20.75 ug/ml m



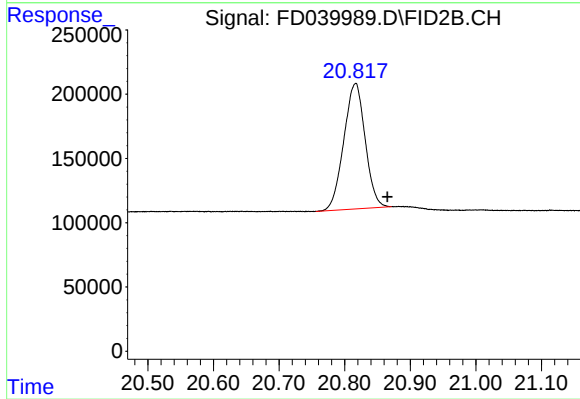
#21 n-Octatriacontane (C38)

R.T.: 19.962 min
Delta R.T.: -0.044 min
Response: 2326570
Conc: 20.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.817 min
Delta R.T.: -0.048 min
Response: 2212672
Conc: 19.42 ug/ml m