

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100421AL\
 Data File : FD039003.D
 Signal(s) : FID2B.CH
 Acq On : 05 Oct 2021 6:44
 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

mohammad
 10/5/2021 12:18:50 PM

Integration File: autoint1.e
 Quant Time: Oct 05 07:51:26 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092921.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 30 02:13:43 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)	11.681	2597068	18.298 ug/ml
Spiked Amount 50.000		Recovery =	36.60%
12) S 1-chlorooctadecane (S...	13.107	2023142	17.992 ug/ml
Spiked Amount 50.000		Recovery =	35.98%
Target Compounds			
1) T n-Nonane (C9)	3.440	2431079	19.273 ug/ml
2) T n-Decane (C10)	4.510	2467844	19.336 ug/ml
3) T A~Naphthalene (C11.7)	6.103	2741680	19.253 ug/ml
4) T n-Dodecane (C12)	6.527	2465904	19.255 ug/ml
5) T A~2-methylnaphthalene...	7.159	2749807	19.208 ug/ml
6) T n-Tetradecane (C14)	8.320	2474128	19.067 ug/ml
7) T n-Hexadecane (C16)	9.917	2457117	18.840 ug/ml
8) T n-Octadecane (C18)	11.356	2473238	18.492 ug/ml
10) T n-Eicosane (C20)	12.662	2409615	18.169 ug/ml
11) T n-Heneicosane (C21)	13.271	2414709	18.033 ug/ml
13) T n-Docosane (C22)	13.857	2354775	17.752 ug/ml
14) T n-Tetracosane (C24)	14.956	2310461	17.437 ug/ml
15) T n-Hexacosane (C26)	15.973	2210542	17.174 ug/ml
16) T n-Octacosane (C28)	16.919	2140012	16.972 ug/ml
17) T n-Tricontane (C30)	17.803	2079342	17.048 ug/ml
18) T n-Dotriacontane (C32)	18.632	2004734	17.292 ug/ml
19) T n-Tetratriacontane (C34)	19.412	1945156	18.020 ug/ml
20) T n-Hexatriacontane (C36)	20.148	1812345	18.521 ug/ml
21) T n-Octatriacontane (C38)	20.890	1816218	20.231 ug/mlm
22) T n-Tetracontane (C40)	21.819	2080102	23.613 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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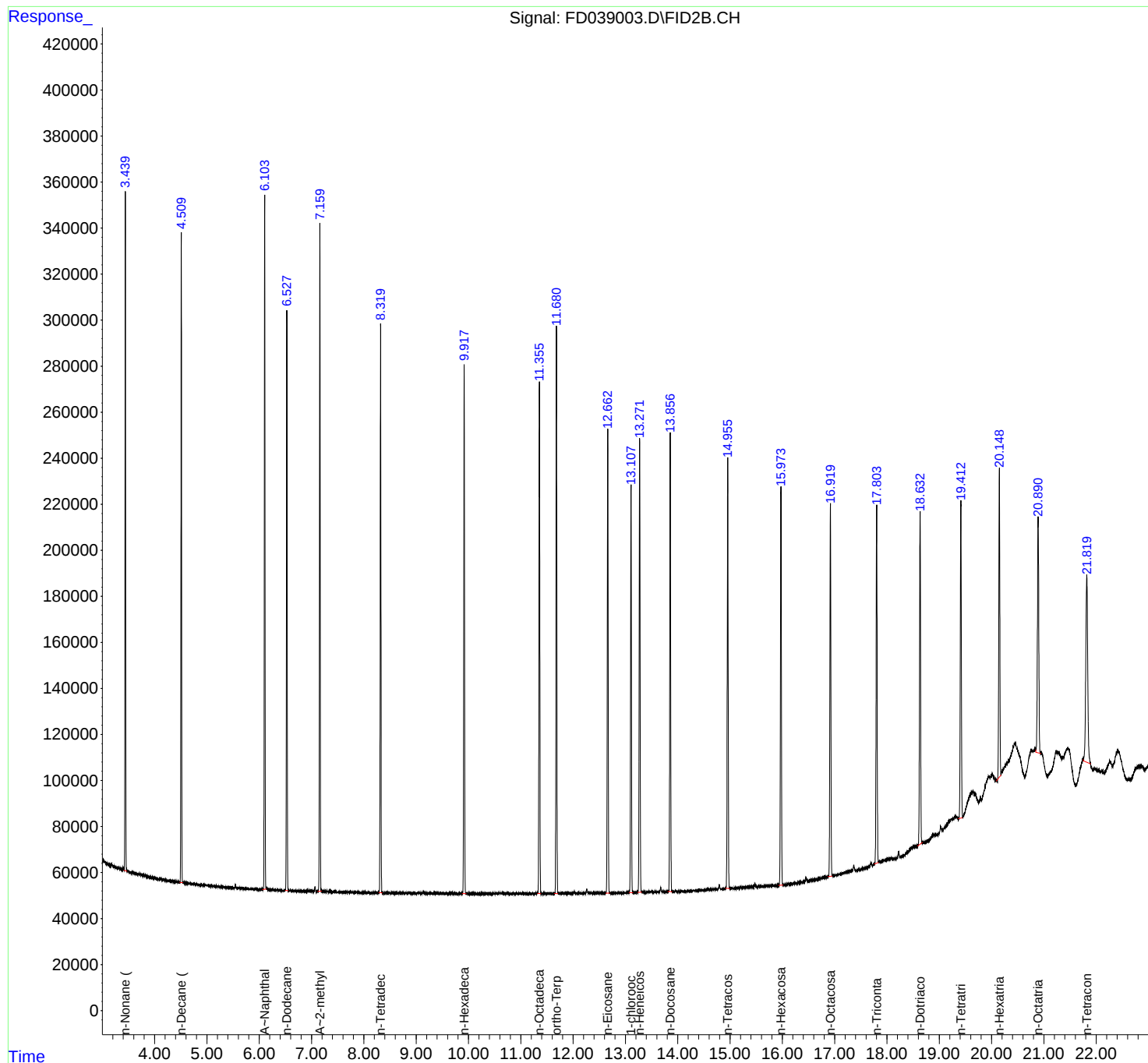
Instrument :
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20 PPM ALIPHATIC HC STD

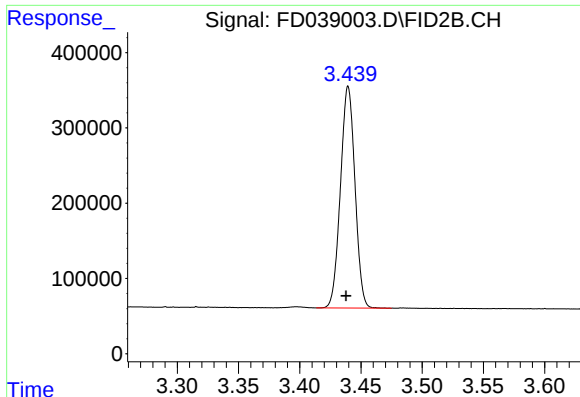
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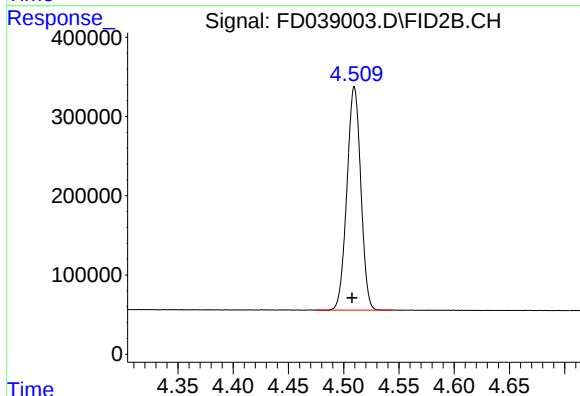
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: 0.002 min
Response: 2431079
Conc: 19.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

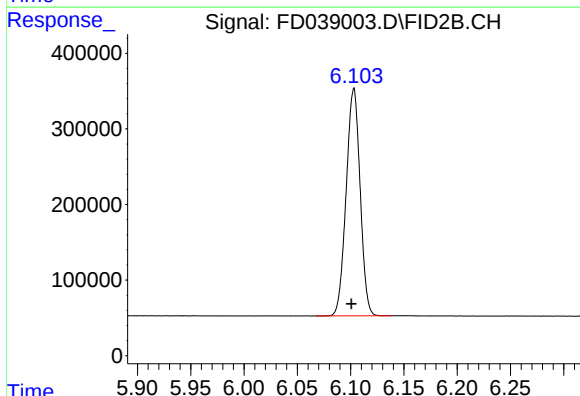
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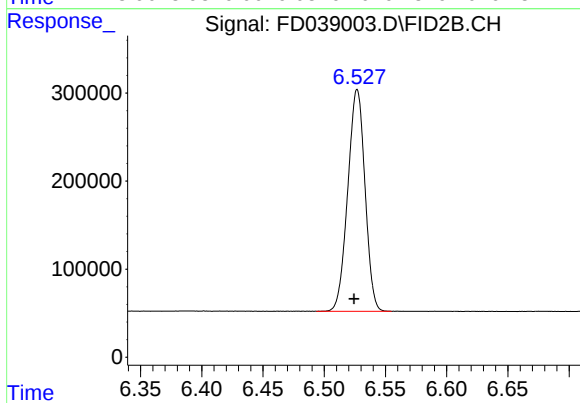
#2 n-Decane (C10)

R.T.: 4.510 min
Delta R.T.: 0.002 min
Response: 2467844
Conc: 19.34 ug/ml



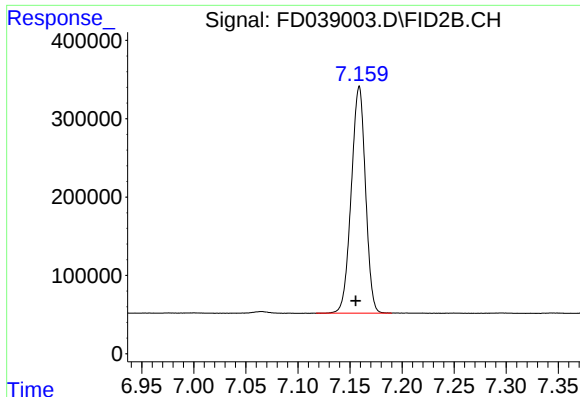
#3 A~Naphthalene (C11.7)

R.T.: 6.103 min
Delta R.T.: 0.002 min
Response: 2741680
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.527 min
Delta R.T.: 0.003 min
Response: 2465904
Conc: 19.25 ug/ml



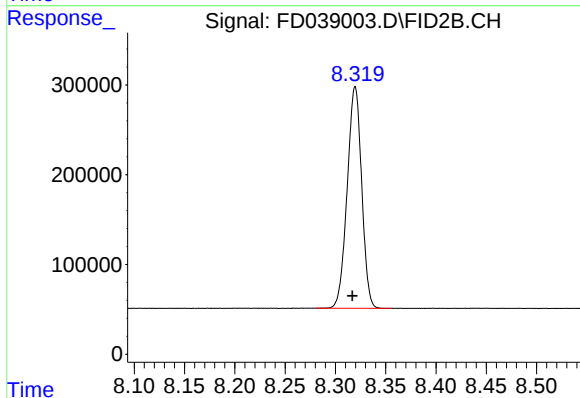
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.159 min
Delta R.T.: 0.003 min
Response: 2749807
Conc: 19.21 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

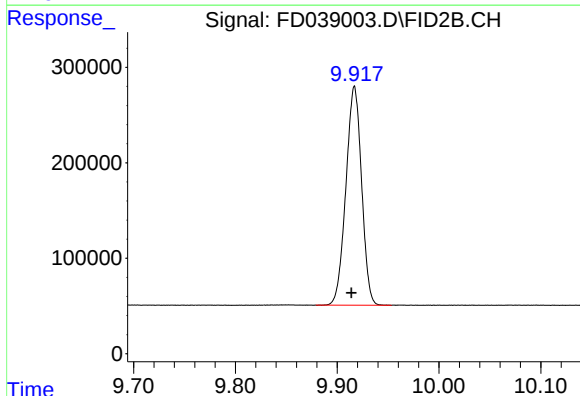
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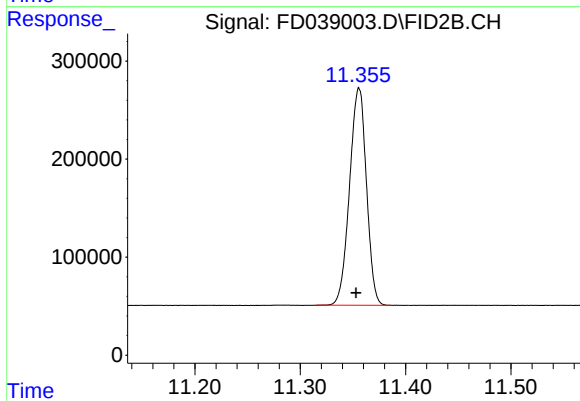
#6 n-Tetradecane (C14)

R.T.: 8.320 min
Delta R.T.: 0.003 min
Response: 2474128
Conc: 19.07 ug/ml



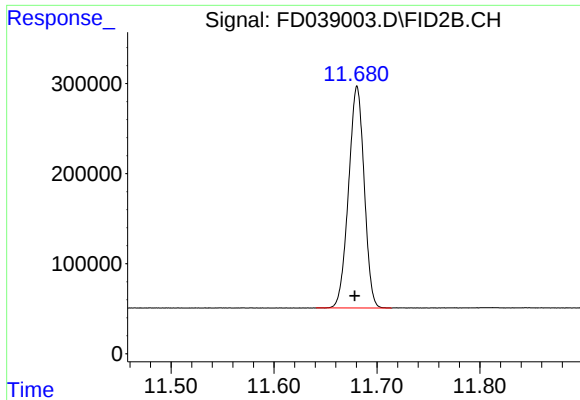
#7 n-Hexadecane (C16)

R.T.: 9.917 min
Delta R.T.: 0.003 min
Response: 2457117
Conc: 18.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.356 min
Delta R.T.: 0.003 min
Response: 2473238
Conc: 18.49 ug/ml



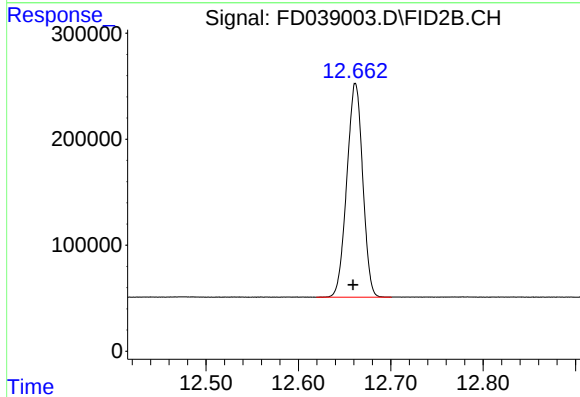
#9 ortho-Terphenyl (SURR)

R.T.: 11.681 min
Delta R.T.: 0.002 min
Response: 2597068
Conc: 18.30 ug/ml

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20 PPM ALIPHATIC HC STD

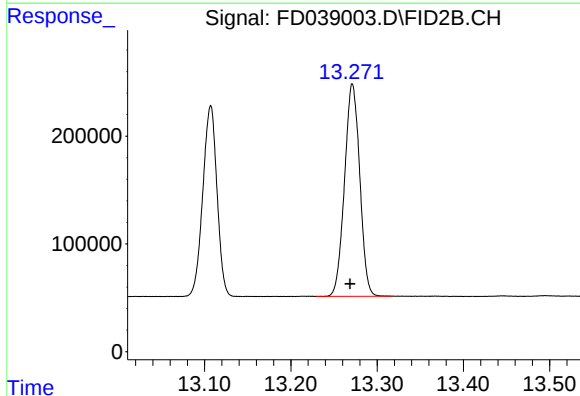
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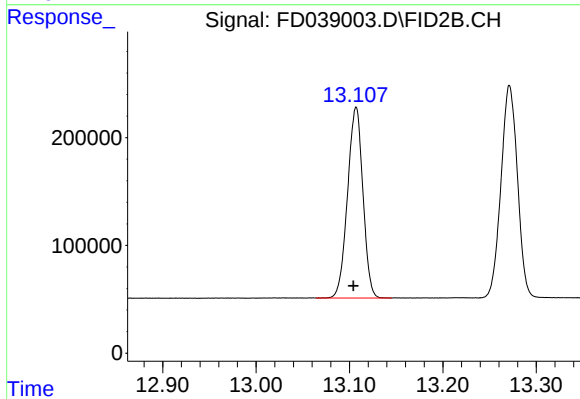
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: 0.003 min
Response: 2409615
Conc: 18.17 ug/ml



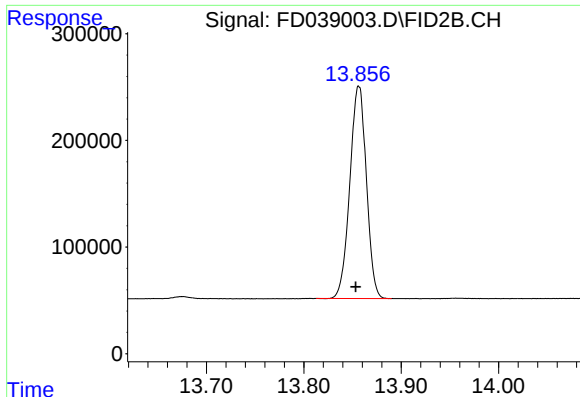
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.003 min
Response: 2414709
Conc: 18.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.107 min
Delta R.T.: 0.003 min
Response: 2023142
Conc: 17.99 ug/ml



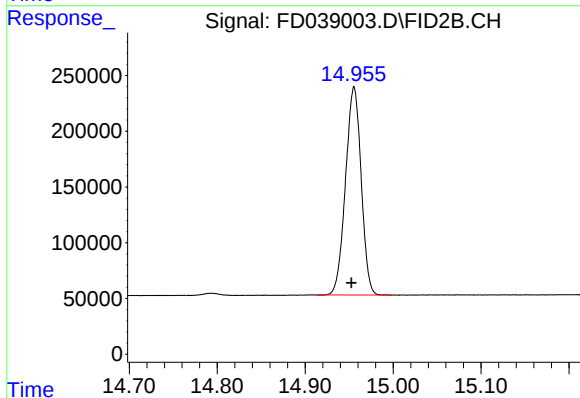
#13 n-Docosane (C22)

R.T.: 13.857 min
Delta R.T.: 0.003 min
Response: 2354775
Conc: 17.75 ug/ml

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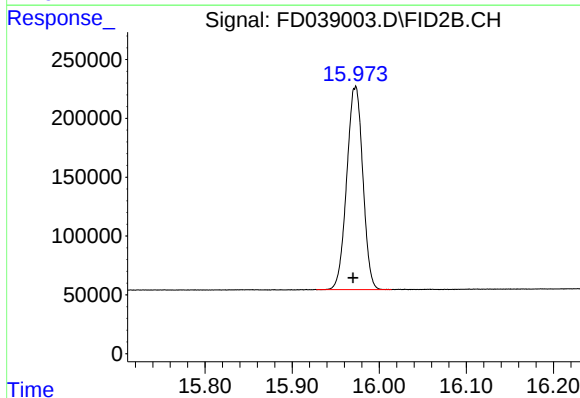
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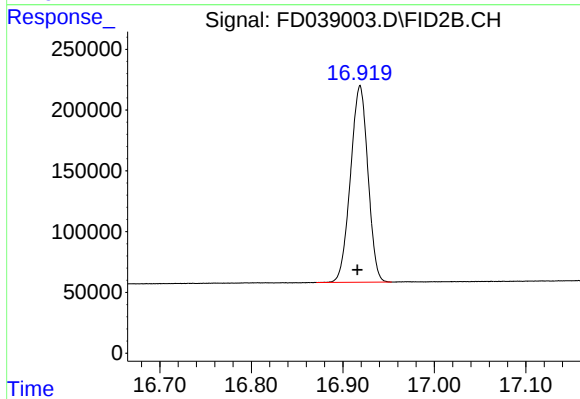
#14 n-Tetracosane (C24)

R.T.: 14.956 min
Delta R.T.: 0.003 min
Response: 2310461
Conc: 17.44 ug/ml



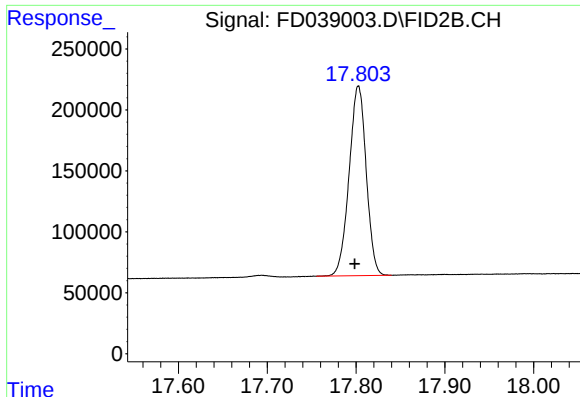
#15 n-Hexacosane (C26)

R.T.: 15.973 min
Delta R.T.: 0.003 min
Response: 2210542
Conc: 17.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.919 min
Delta R.T.: 0.003 min
Response: 2140012
Conc: 16.97 ug/ml



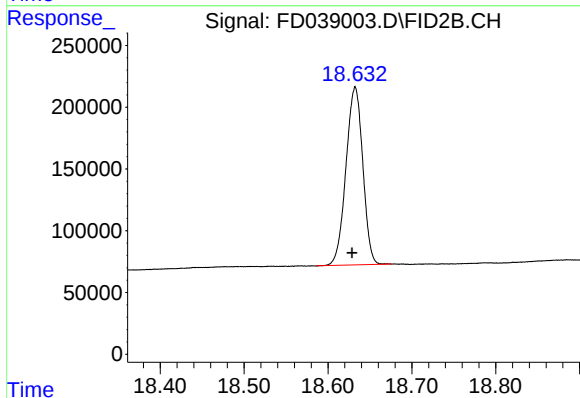
#17 n-Tricontane (C30)

R.T.: 17.803 min
Delta R.T.: 0.004 min
Response: 2079342
Conc: 17.05 ug/ml

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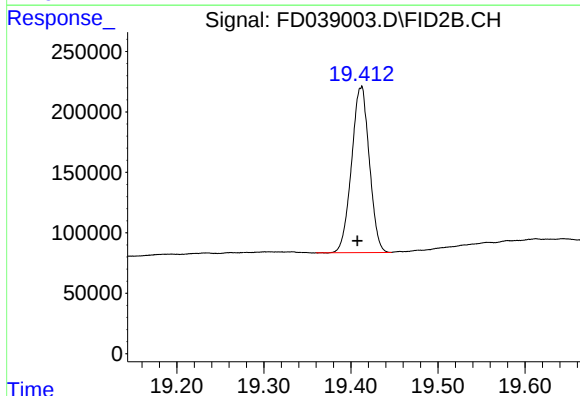
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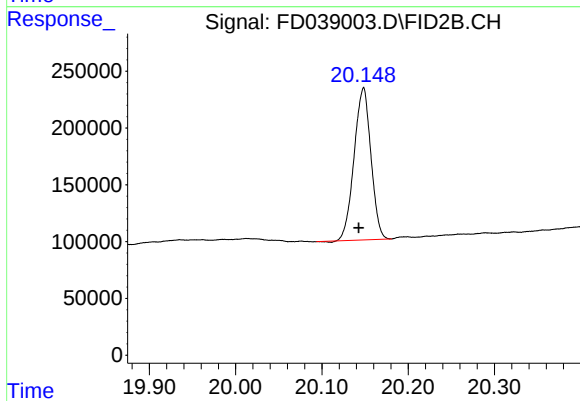
#18 n-Dotriacontane (C32)

R.T.: 18.632 min
Delta R.T.: 0.004 min
Response: 2004734
Conc: 17.29 ug/ml



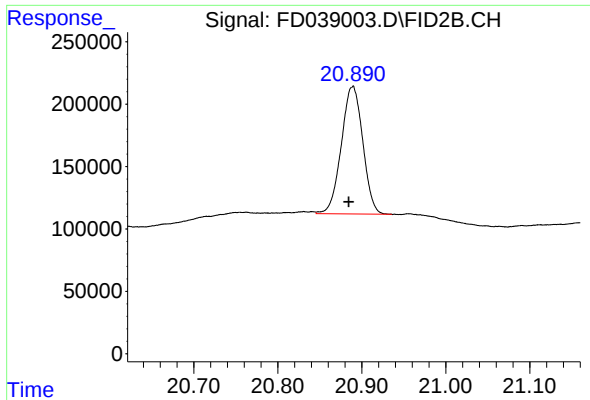
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min
Delta R.T.: 0.004 min
Response: 1945156
Conc: 18.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.148 min
Delta R.T.: 0.005 min
Response: 1812345
Conc: 18.52 ug/ml



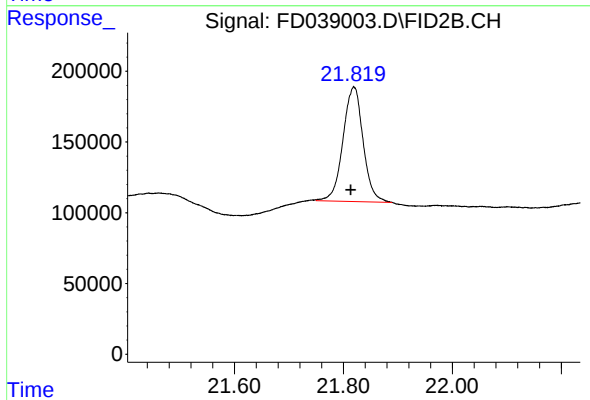
#21 n-Octatriacontane (C38)

R.T.: 20.890 min
Delta R.T.: 0.005 min
Response: 1816218
Conc: 20.23 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.819 min
Delta R.T.: 0.005 min
Response: 2080102
Conc: 23.61 ug/ml m