

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081321AL\
 Data File : FD038556.D
 Signal(s) : FID2B.CH
 Acq On : 14 Aug 2021 1:25
 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
 8/17/2021 11:45:40 AM

Integration File: autoint1.e
 Quant Time: Aug 14 01:50:43 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 03:20:37 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)	11.365	2808242	20.573 ug/ml
Spiked Amount 50.000		Recovery =	41.15%
12) S 1-chlorooctadecane (S...	12.802	2179697	20.270 ug/ml
Spiked Amount 50.000		Recovery =	40.54%
Target Compounds			
1) T n-Nonane (C9)	3.192	2628632	22.390 ug/ml
2) T n-Decane (C10)	4.244	2680257	22.733 ug/ml
3) T A~Naphthalene (C11.7)	5.808	2974328	22.785 ug/ml
4) T n-Dodecane (C12)	6.246	2710848	22.830 ug/ml
5) T A~2-methylnaphthalene...	6.859	2995372	22.890 ug/ml
6) T n-Tetradecane (C14)	8.031	2749078	22.620 ug/ml
7) T n-Hexadecane (C16)	9.624	2738778	22.409 ug/ml
8) T n-Octadecane (C18)	11.058	2759563	21.918 ug/ml
10) T n-Eicosane (C20)	12.361	2677315	21.239 ug/ml
11) T n-Heneicosane (C21)	12.971	2622977	20.548 ug/ml
13) T n-Docosane (C22)	13.555	2645115	20.778 ug/ml
14) T n-Tetracosane (C24)	14.652	2680615	20.839 ug/ml
15) T n-Hexacosane (C26)	15.668	2620191	20.575 ug/ml
16) T n-Octacosane (C28)	16.612	2636359	20.664 ug/ml
17) T n-Tricontane (C30)	17.496	2644801	20.875 ug/ml
18) T n-Dotriacontane (C32)	18.324	2488720	20.254 ug/ml
19) T n-Tetratriacontane (C34)	19.103	2365099	19.816 ug/ml
20) T n-Hexatriacontane (C36)	19.839	2345161	21.042 ug/ml
21) T n-Octatriacontane (C38)	20.540	2357197	22.802 ug/mlm
22) T n-Tetracontane (C40)	21.348	2463594	24.545 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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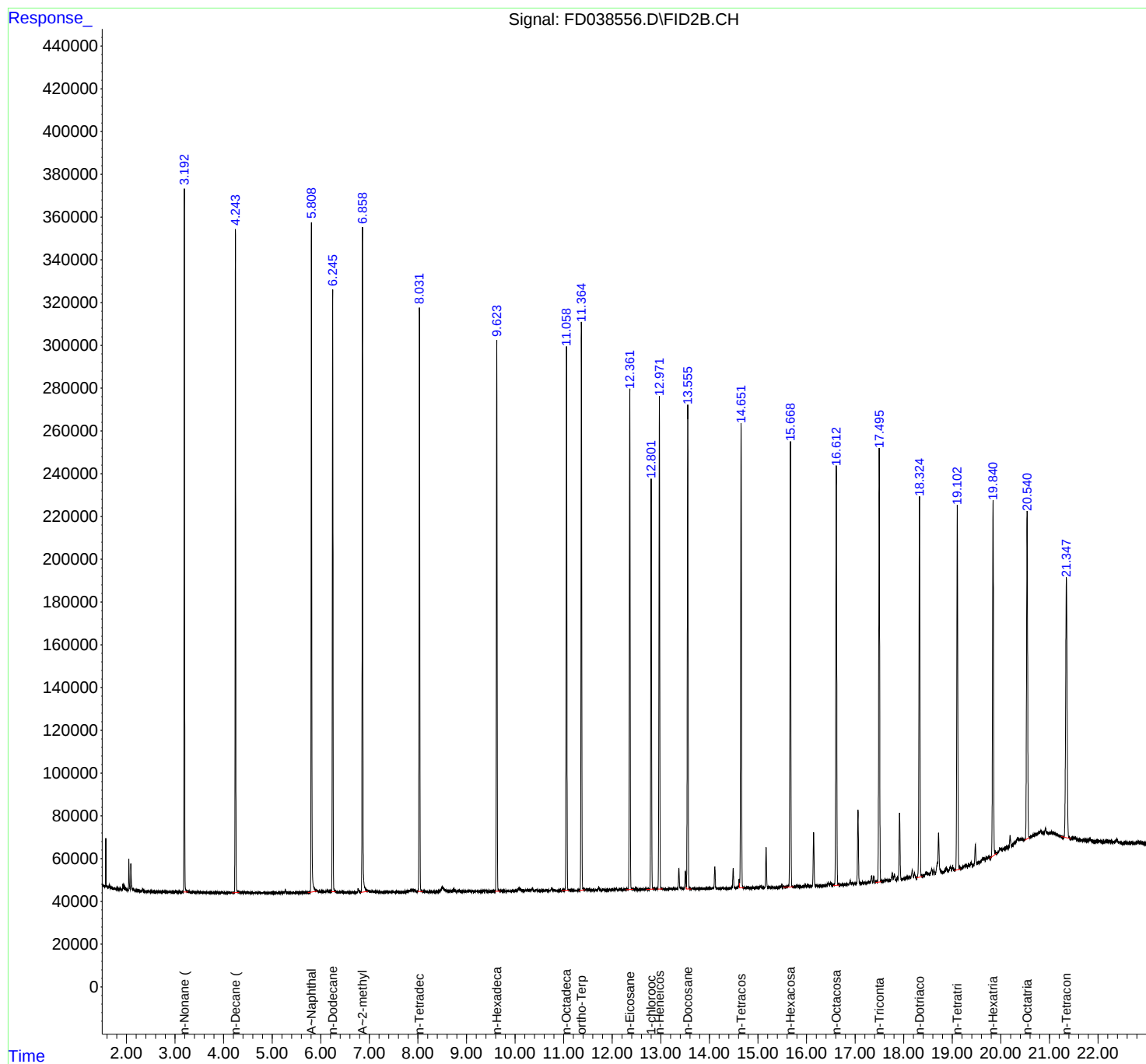
Instrument :
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20 PPM ALIPHATIC HC STD

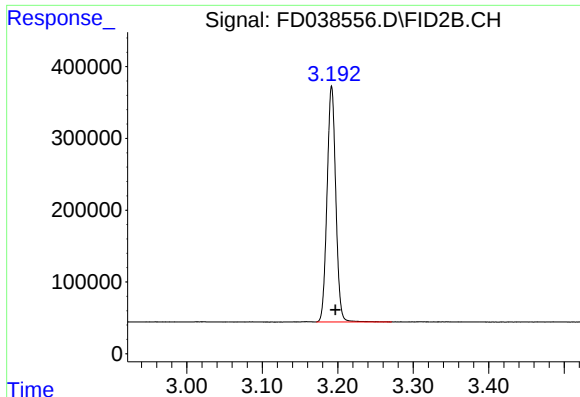
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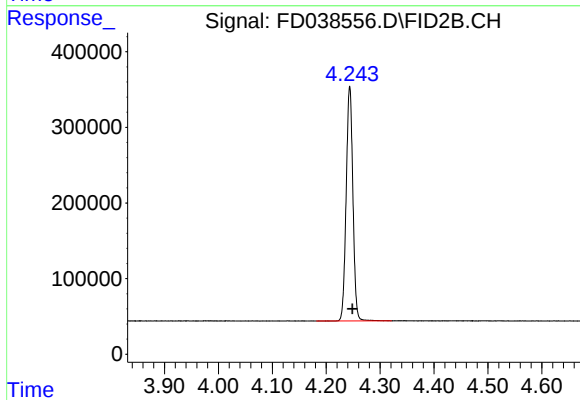
#1 n-Nonane (C9)

R.T.: 3.192 min
Delta R.T.: -0.005 min
Response: 2628632
Conc: 22.39 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

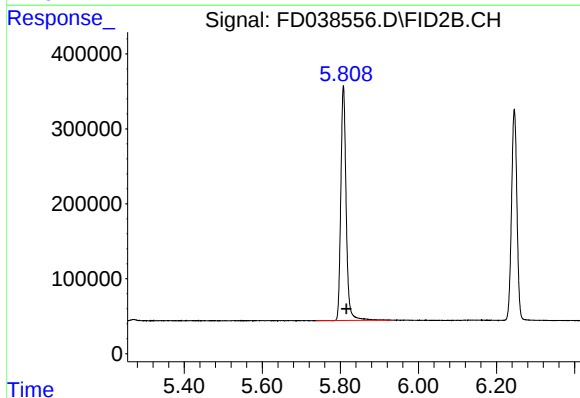
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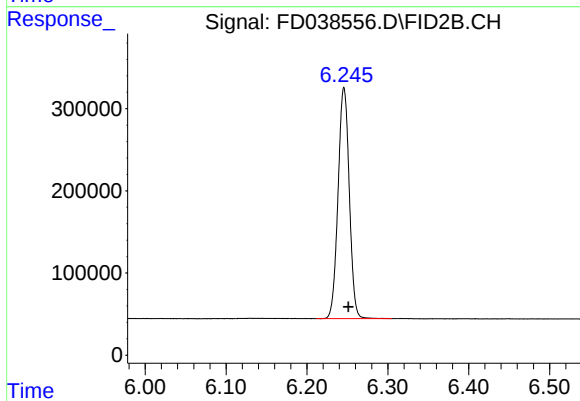
#2 n-Decane (C10)

R.T.: 4.244 min
Delta R.T.: -0.005 min
Response: 2680257
Conc: 22.73 ug/ml



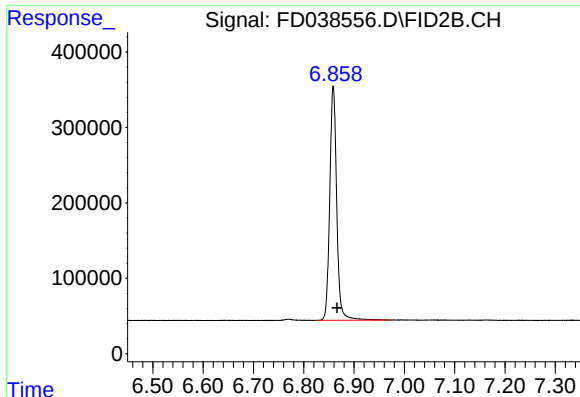
#3 A~Naphthalene (C11.7)

R.T.: 5.808 min
Delta R.T.: -0.008 min
Response: 2974328
Conc: 22.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.246 min
Delta R.T.: -0.005 min
Response: 2710848
Conc: 22.83 ug/ml



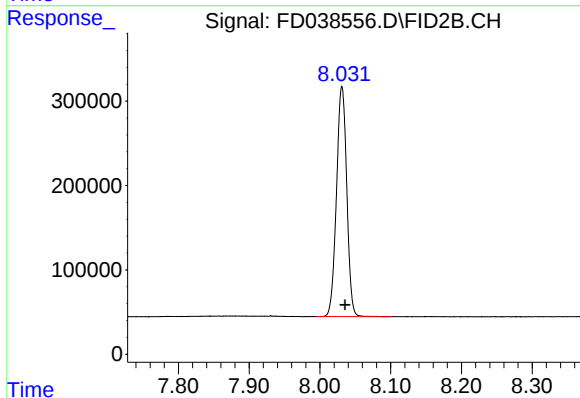
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.859 min
Delta R.T.: -0.007 min
Response: 2995372
Conc: 22.89 ug/ml

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20 PPM ALIPHATIC HC STD

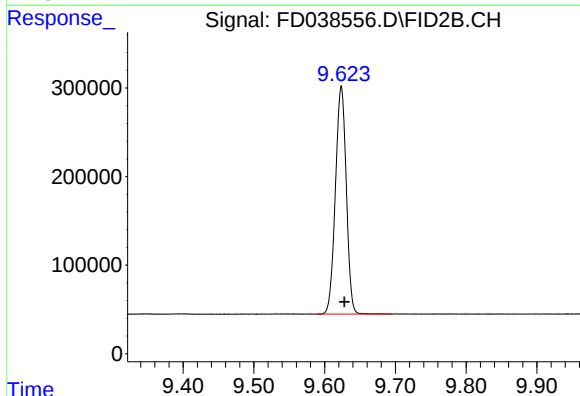
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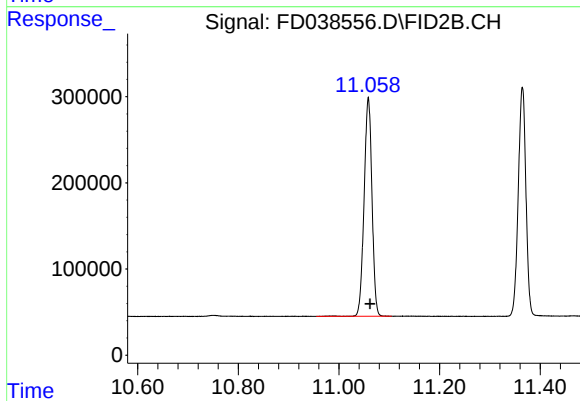
#6 n-Tetradecane (C14)

R.T.: 8.031 min
Delta R.T.: -0.005 min
Response: 2749078
Conc: 22.62 ug/ml



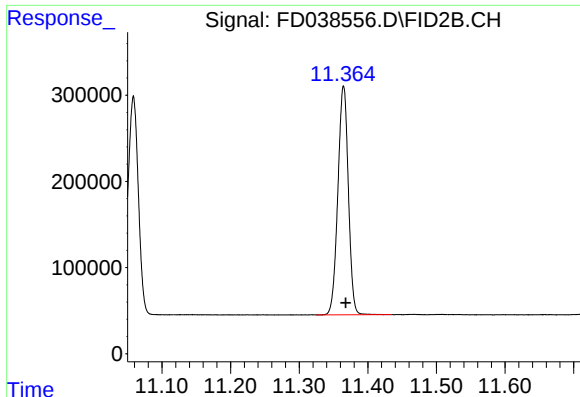
#7 n-Hexadecane (C16)

R.T.: 9.624 min
Delta R.T.: -0.004 min
Response: 2738778
Conc: 22.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.058 min
Delta R.T.: -0.003 min
Response: 2759563
Conc: 21.92 ug/ml



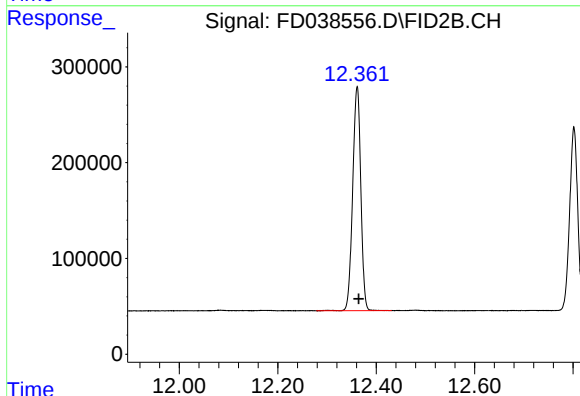
#9 ortho-Terphenyl (SURR)

R.T.: 11.365 min
Delta R.T.: -0.003 min
Response: 2808242
Conc: 20.57 ug/ml

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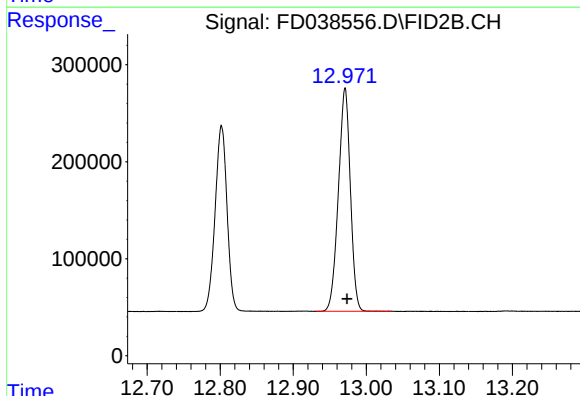
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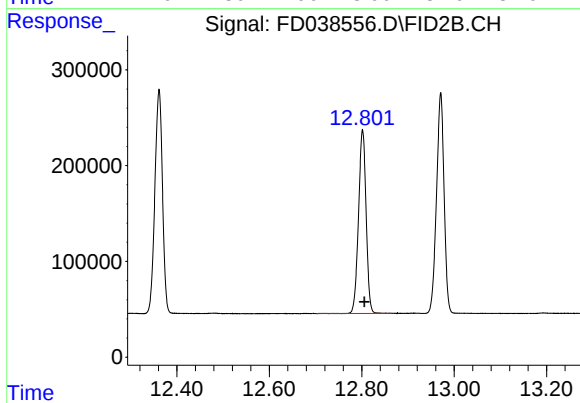
#10 n-Eicosane (C20)

R.T.: 12.361 min
Delta R.T.: -0.003 min
Response: 2677315
Conc: 21.24 ug/ml



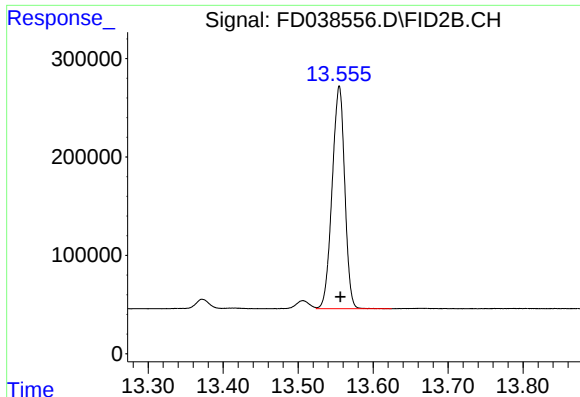
#11 n-Heneicosane (C21)

R.T.: 12.971 min
Delta R.T.: -0.003 min
Response: 2622977
Conc: 20.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.802 min
Delta R.T.: -0.004 min
Response: 2179697
Conc: 20.27 ug/ml



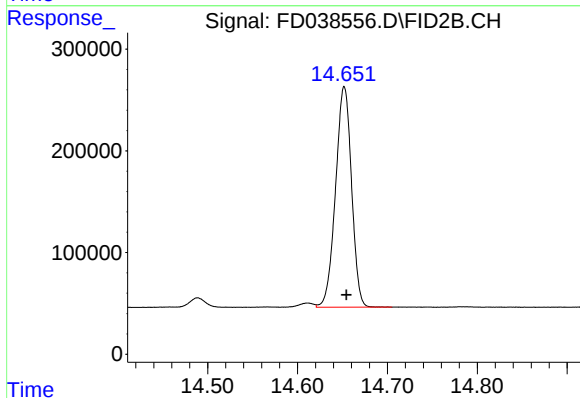
#13 n-Docosane (C22)

R.T.: 13.555 min
Delta R.T.: -0.002 min
Response: 2645115
Conc: 20.78 ug/ml

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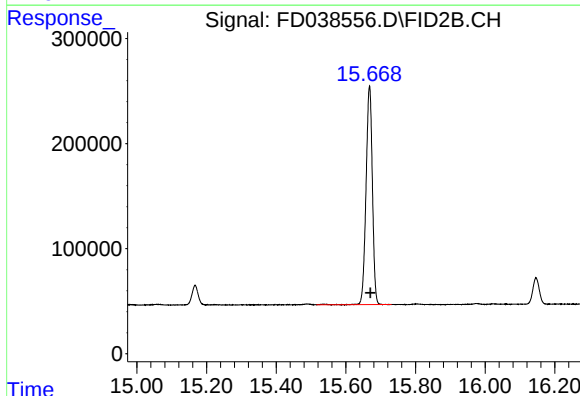
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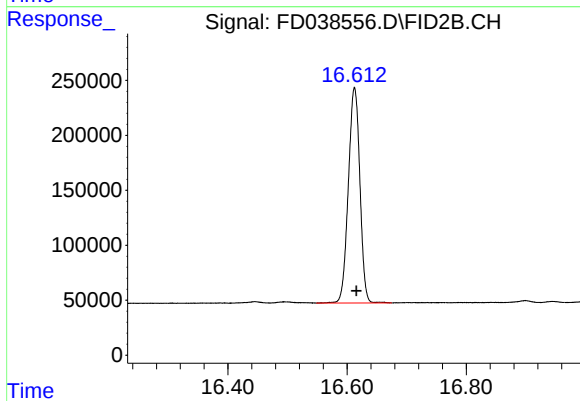
#14 n-Tetracosane (C24)

R.T.: 14.652 min
Delta R.T.: -0.002 min
Response: 2680615
Conc: 20.84 ug/ml



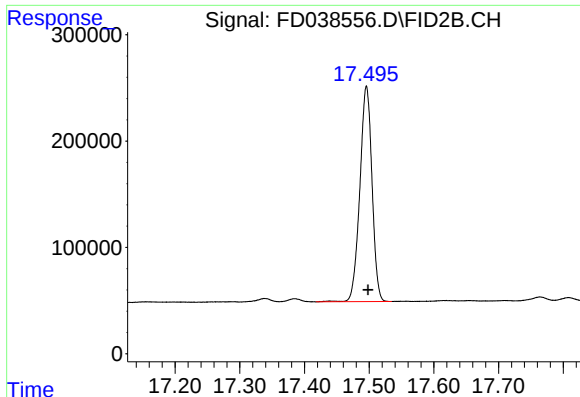
#15 n-Hexacosane (C26)

R.T.: 15.668 min
Delta R.T.: -0.003 min
Response: 2620191
Conc: 20.57 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.612 min
Delta R.T.: -0.003 min
Response: 2636359
Conc: 20.66 ug/ml



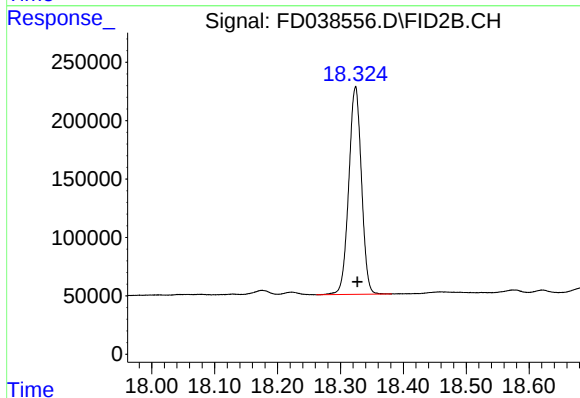
#17 n-Tricontane (C30)

R.T.: 17.496 min
Delta R.T.: -0.003 min
Response: 2644801
Conc: 20.87 ug/ml

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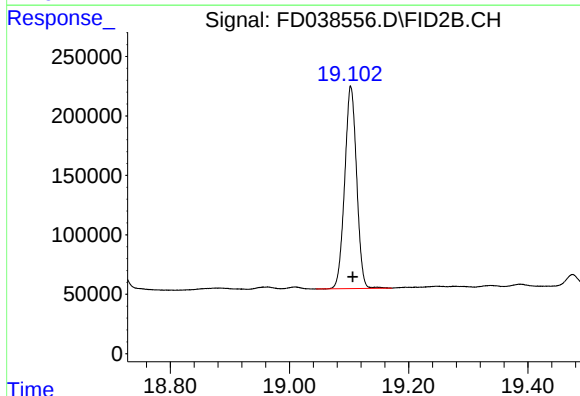
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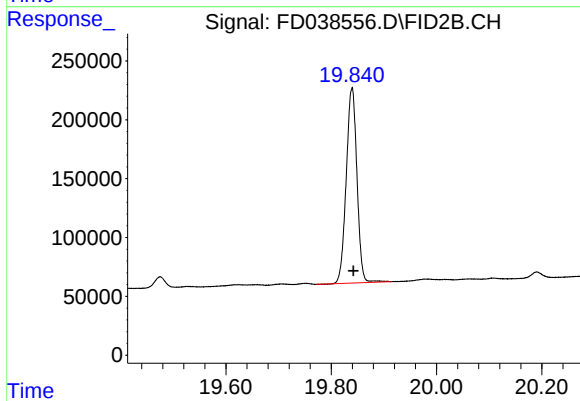
#18 n-Dotriacontane (C32)

R.T.: 18.324 min
Delta R.T.: -0.003 min
Response: 2488720
Conc: 20.25 ug/ml



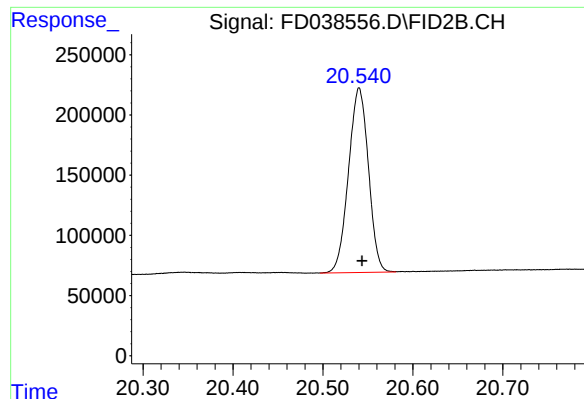
#19 n-Tetratriacontane (C34)

R.T.: 19.103 min
Delta R.T.: -0.003 min
Response: 2365099
Conc: 19.82 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.839 min
Delta R.T.: -0.003 min
Response: 2345161
Conc: 21.04 ug/ml



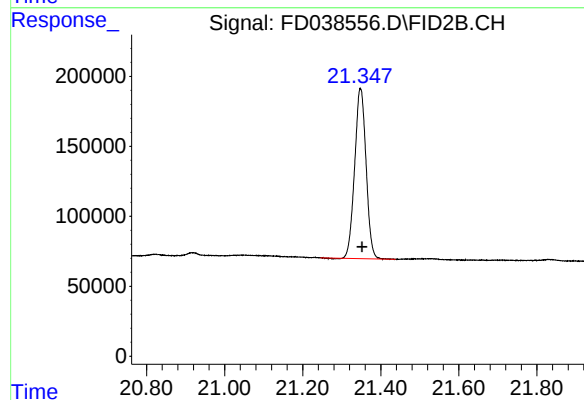
#21 n-Octatriacontane (C38)

R.T.: 20.540 min
Delta R.T.: -0.004 min
Response: 2357197
Conc: 22.80 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.348 min
Delta R.T.: -0.004 min
Response: 2463594
Conc: 24.55 ug/ml