

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081621AL\
 Data File : FD038587.D
 Signal(s) : FID2B.CH
 Acq On : 17 Aug 2021 6:12
 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 3:46:26 PM

Integration File: autoint1.e
 Quant Time: Aug 17 06:58:23 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)	11.363	2729582	19.997 ug/ml
Spiked Amount 50.000		Recovery =	39.99%
12) S 1-chlorooctadecane (S...	12.800	2151216	20.005 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
Target Compounds			
1) T n-Nonane (C9)	3.189	2389499	20.353 ug/ml
2) T n-Decane (C10)	4.242	2446285	20.748 ug/ml
3) T A~Naphthalene (C11.7)	5.807	2724779	20.874 ug/ml
4) T n-Dodecane (C12)	6.245	2481293	20.897 ug/ml
5) T A~2-methylnaphthalene...	6.858	2752182	21.032 ug/ml
6) T n-Tetradecane (C14)	8.030	2534247	20.852 ug/ml
7) T n-Hexadecane (C16)	9.622	2555060	20.906 ug/ml
8) T n-Octadecane (C18)	11.056	2610223	20.732 ug/ml
10) T n-Eicosane (C20)	12.359	2569381	20.383 ug/ml
11) T n-Heneicosane (C21)	12.968	2572867	20.155 ug/ml
13) T n-Docosane (C22)	13.551	2551339	20.041 ug/ml
14) T n-Tetracosane (C24)	14.648	2549298	19.818 ug/ml
15) T n-Hexacosane (C26)	15.665	2419876	19.002 ug/ml
16) T n-Octacosane (C28)	16.609	2339612	18.338 ug/ml
17) T n-Tricontane (C30)	17.492	2217862	17.505 ug/ml
18) T n-Dotriacontane (C32)	18.321	2093350	17.036 ug/ml
19) T n-Tetratriacontane (C34)	19.099	2008921	16.832 ug/mlm
20) T n-Hexatriacontane (C36)	19.835	1939613	17.403 ug/mlm
21) T n-Octatriacontane (C38)	20.535	1875074	18.138 ug/ml
22) T n-Tetracontane (C40)	21.343	1909793	19.028 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 52 Sample Multiplier: 1

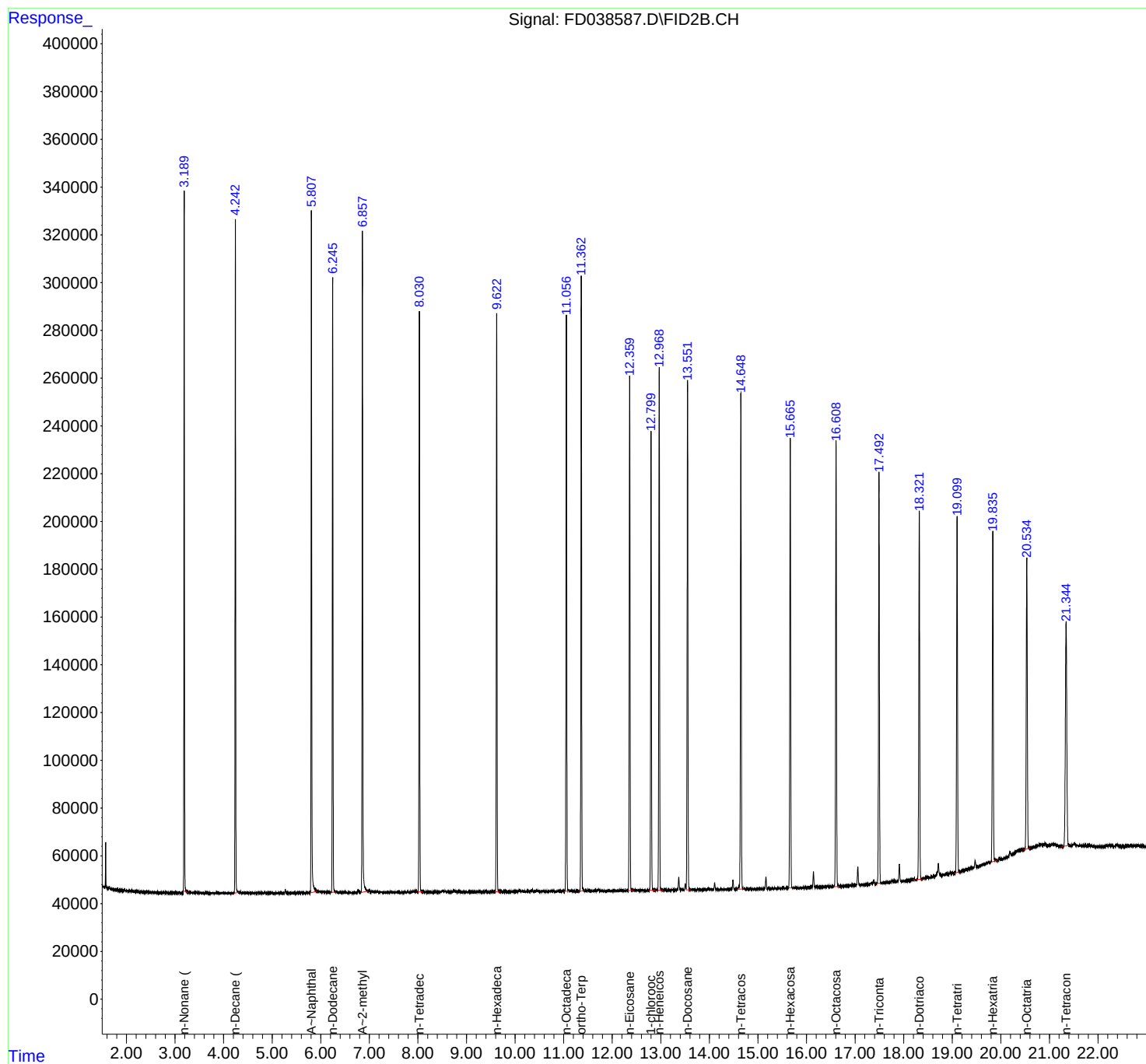
Instrument :
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20 PPM ALIPHATIC HC STD

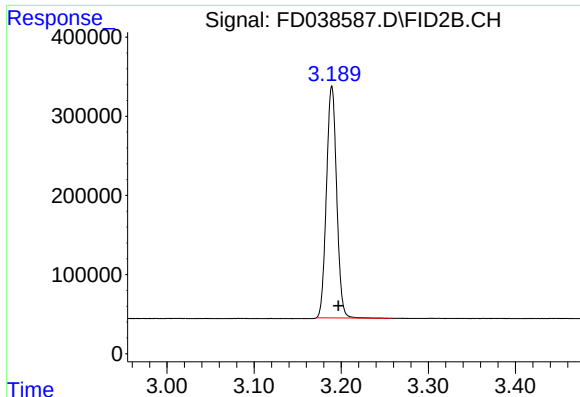
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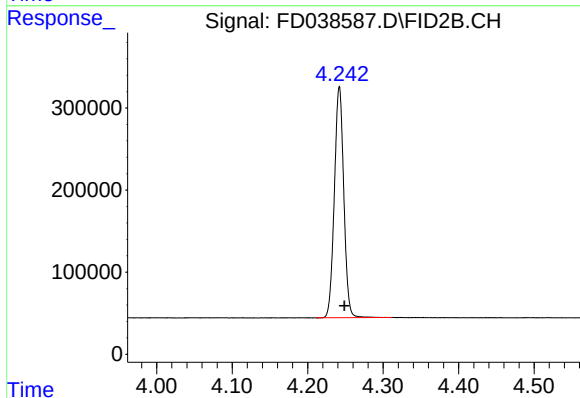
#1 n-Nonane (C9)

R.T.: 3.189 min
Delta R.T.: -0.008 min
Response: 2389499
Conc: 20.35 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

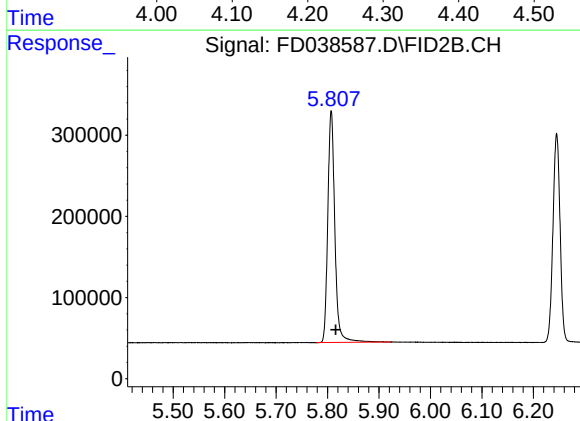
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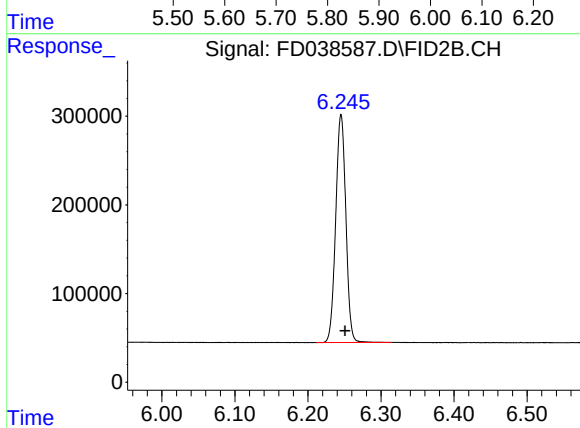
#2 n-Decane (C10)

R.T.: 4.242 min
Delta R.T.: -0.007 min
Response: 2446285
Conc: 20.75 ug/ml



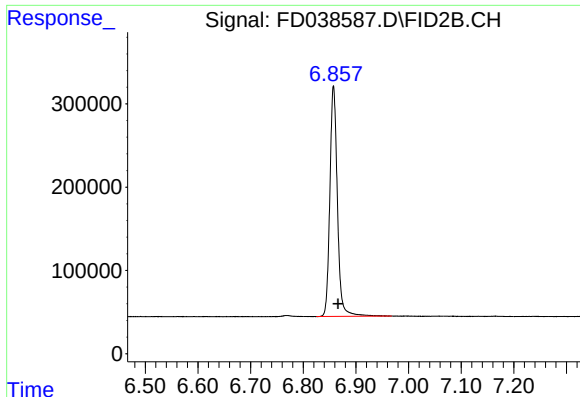
#3 A~Naphthalene (C11.7)

R.T.: 5.807 min
Delta R.T.: -0.008 min
Response: 2724779
Conc: 20.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.245 min
Delta R.T.: -0.006 min
Response: 2481293
Conc: 20.90 ug/ml



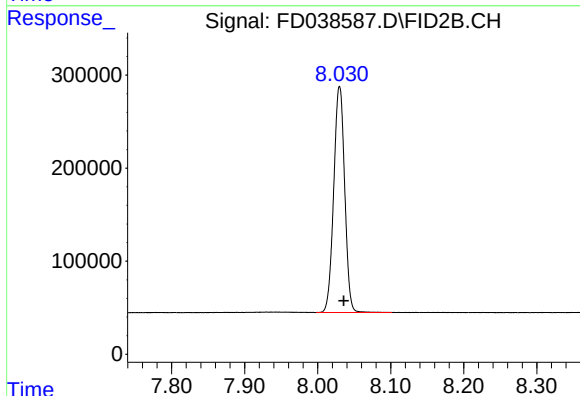
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.858 min
Delta R.T.: -0.008 min
Response: 2752182
Conc: 21.03 ug/ml

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20 PPM ALIPHATIC HC STD

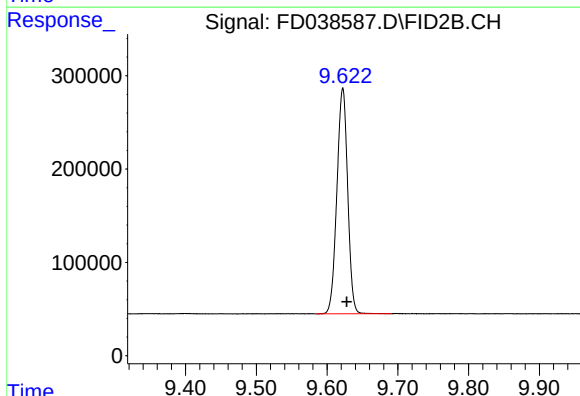
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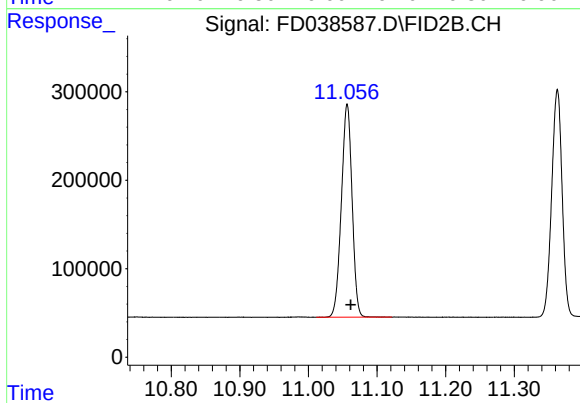
#6 n-Tetradecane (C14)

R.T.: 8.030 min
Delta R.T.: -0.006 min
Response: 2534247
Conc: 20.85 ug/ml



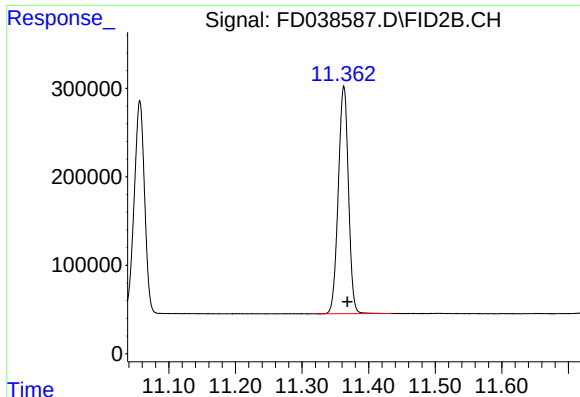
#7 n-Hexadecane (C16)

R.T.: 9.622 min
Delta R.T.: -0.006 min
Response: 2555060
Conc: 20.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.056 min
Delta R.T.: -0.005 min
Response: 2610223
Conc: 20.73 ug/ml



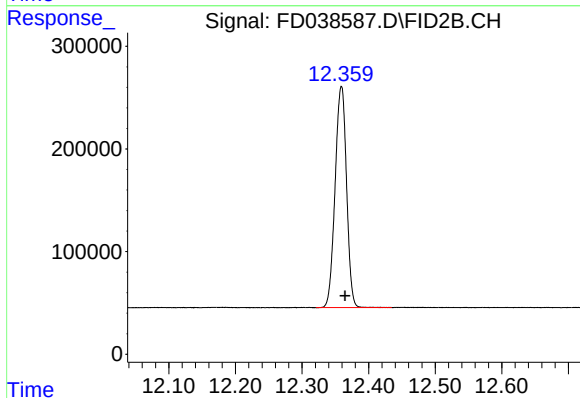
#9 ortho-Terphenyl (SURR)

R.T.: 11.363 min
Delta R.T.: -0.005 min
Response: 2729582
Conc: 20.00 ug/ml

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20 PPM ALIPHATIC HC STD

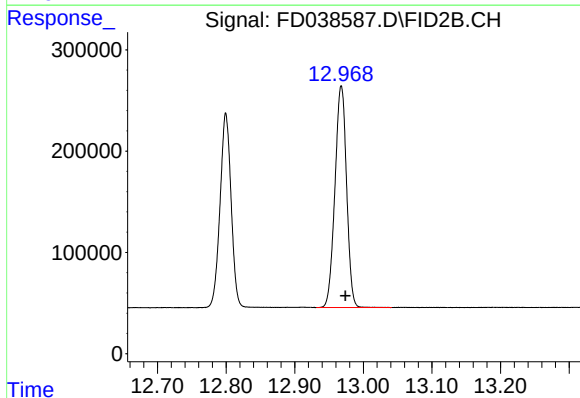
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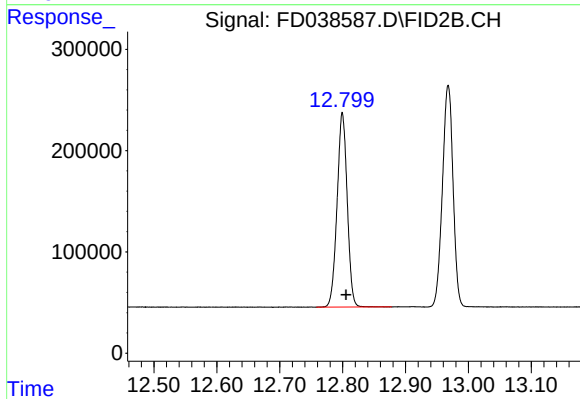
#10 n-Eicosane (C20)

R.T.: 12.359 min
Delta R.T.: -0.005 min
Response: 2569381
Conc: 20.38 ug/ml



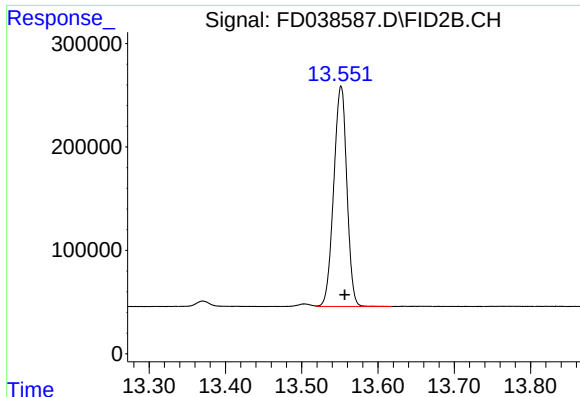
#11 n-Heneicosane (C21)

R.T.: 12.968 min
Delta R.T.: -0.006 min
Response: 2572867
Conc: 20.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.800 min
Delta R.T.: -0.006 min
Response: 2151216
Conc: 20.00 ug/ml



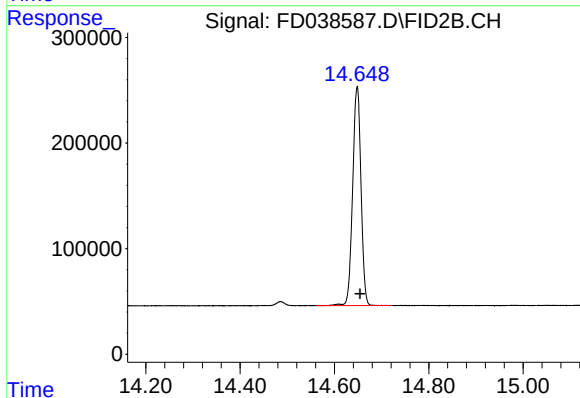
#13 n-Docosane (C22)

R.T.: 13.551 min
Delta R.T.: -0.005 min
Response: 2551339
Conc: 20.04 ug/ml

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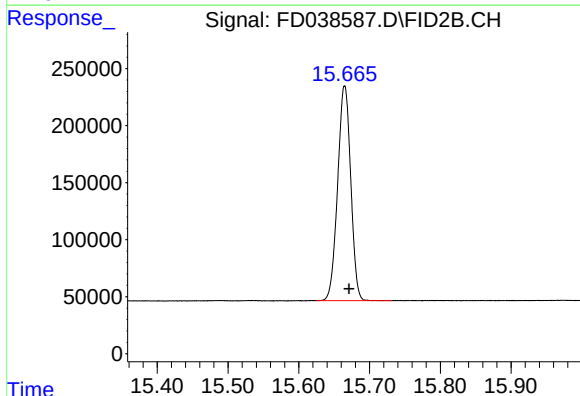
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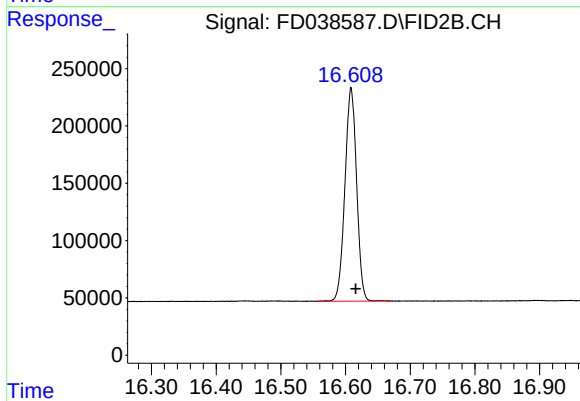
#14 n-Tetracosane (C24)

R.T.: 14.648 min
Delta R.T.: -0.006 min
Response: 2549298
Conc: 19.82 ug/ml



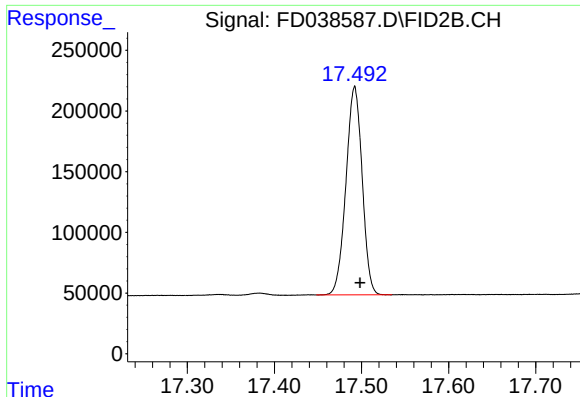
#15 n-Hexacosane (C26)

R.T.: 15.665 min
Delta R.T.: -0.006 min
Response: 2419876
Conc: 19.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.609 min
Delta R.T.: -0.007 min
Response: 2339612
Conc: 18.34 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.492 min

Delta R.T.: -0.006 min

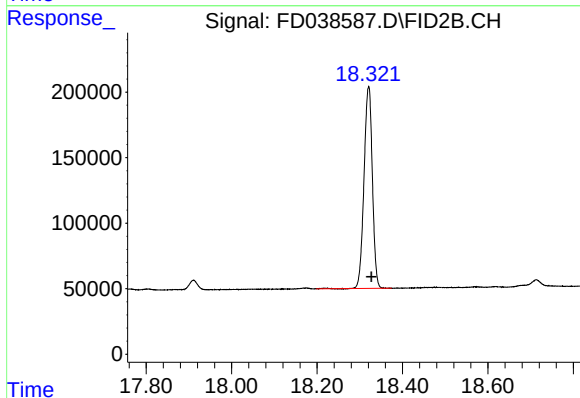
Response: 2217862

Conc: 17.51 ug/ml

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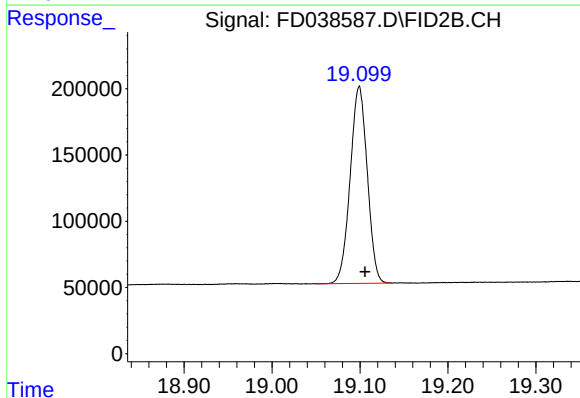
#18 n-Dotriacontane (C32)

R.T.: 18.321 min

Delta R.T.: -0.006 min

Response: 2093350

Conc: 17.04 ug/ml



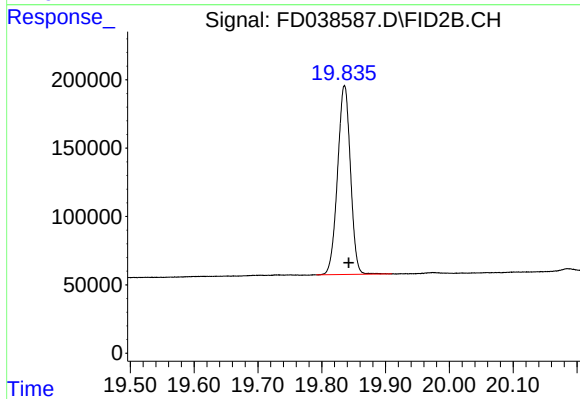
#19 n-Tetratriacontane (C34)

R.T.: 19.099 min

Delta R.T.: -0.007 min

Response: 2008921

Conc: 16.83 ug/ml m



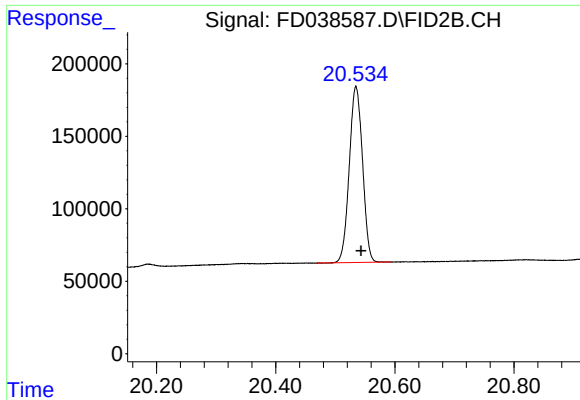
#20 n-Hexatriacontane (C36)

R.T.: 19.835 min

Delta R.T.: -0.007 min

Response: 1939613

Conc: 17.40 ug/ml m



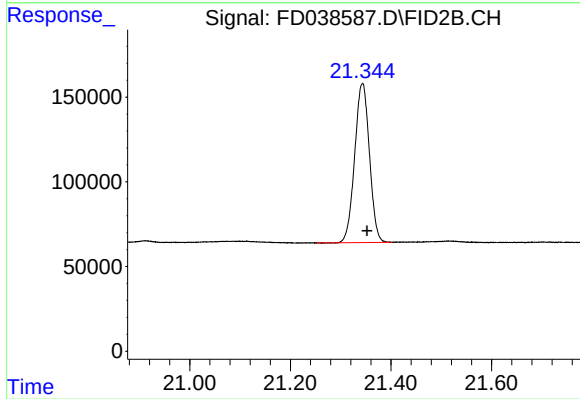
#21 n-Octatriacontane (C38)

R.T.: 20.535 min
Delta R.T.: -0.009 min
Response: 1875074
Conc: 18.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.343 min
Delta R.T.: -0.009 min
Response: 1909793
Conc: 19.03 ug/ml