

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071421AL\
 Data File : FD038206.D
 Signal(s) : FID2B.CH
 Acq On : 15 Jul 2021 3:29
 Operator : DD\AJ
 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

mohammad
 7/15/2021 2:32:24 PM

Integration File: autoint1.e
 Quant Time: Jul 15 04:45:27 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:58:41 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)	11.426	2537596	17.555 ug/ml
Spiked Amount 50.000		Recovery =	35.11%
12) S 1-chlorooctadecane (S...	12.861	1966270	17.246 ug/ml
Spiked Amount 50.000		Recovery =	34.49%
Target Compounds			
1) T n-Nonane (C9)	3.233	2442683	20.102 ug/ml
2) T n-Decane (C10)	4.290	2481906	20.292 ug/ml
3) T A~Naphthalene (C11.7)	5.864	2742944	20.065 ug/ml
4) T n-Dodecane (C12)	6.298	2516703	20.206 ug/ml
5) T A~2-methylnaphthalene...	6.916	2730377	19.823 ug/ml
6) T n-Tetradecane (C14)	8.085	2559002	19.910 ug/ml
7) T n-Hexadecane (C16)	9.679	2526434	19.496 ug/ml
8) T n-Octadecane (C18)	11.115	2513383	18.663 ug/ml
10) T n-Eicosane (C20)	12.418	2400973	17.875 ug/ml
11) T n-Heneicosane (C21)	13.027	2374622	17.478 ug/ml
13) T n-Docosane (C22)	13.611	2331942	17.331 ug/ml
14) T n-Tetracosane (C24)	14.709	2311451	17.118 ug/ml
15) T n-Hexacosane (C26)	15.725	2180012	16.546 ug/ml
16) T n-Octacosane (C28)	16.670	2126655	16.310 ug/ml
17) T n-Tricontane (C30)	17.554	2121512	16.601 ug/ml
18) T n-Dotriacontane (C32)	18.383	2092735	17.008 ug/mlm
19) T n-Tetratriacontane (C34)	19.162	2067426	17.655 ug/mlm
20) T n-Hexatriacontane (C36)	19.898	1955500	17.906 ug/mlm
21) T n-Octatriacontane (C38)	20.605	1975034	19.610 ug/mlm
22) T n-Tetracontane (C40)	21.440	1975645	20.200 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 53 Sample Multiplier: 1

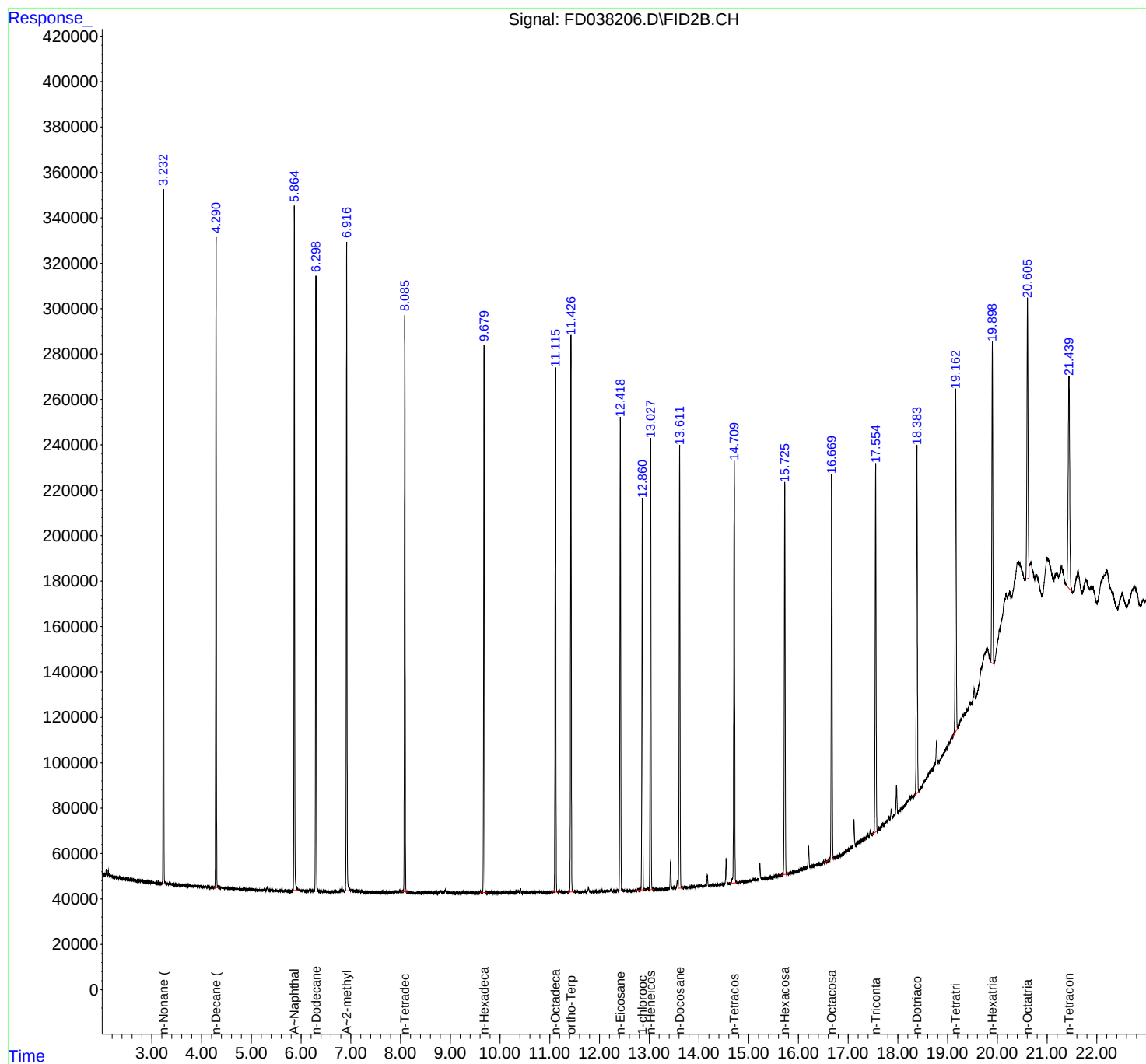
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20 PPM ALIPHATIC HC STD

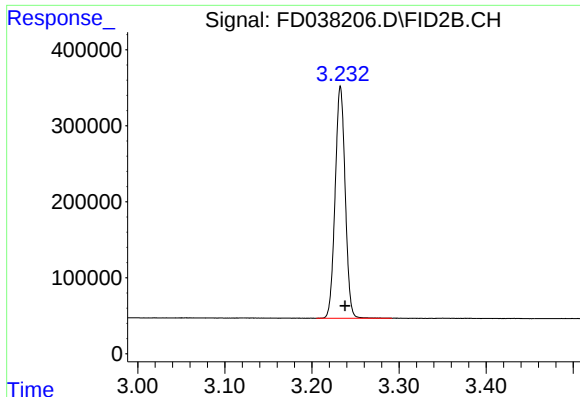
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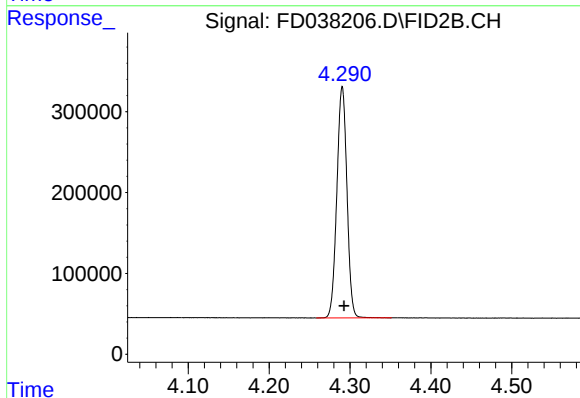
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.005 min
Response: 2442683
Conc: 20.10 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

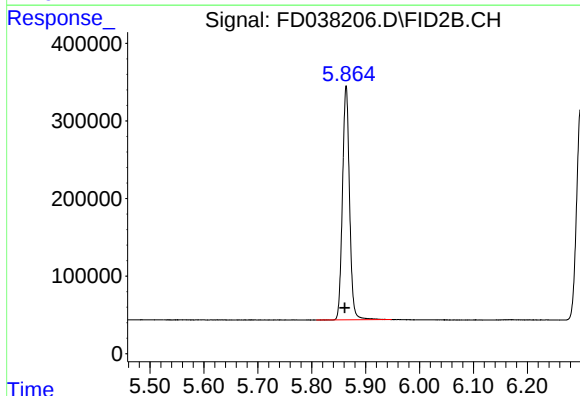
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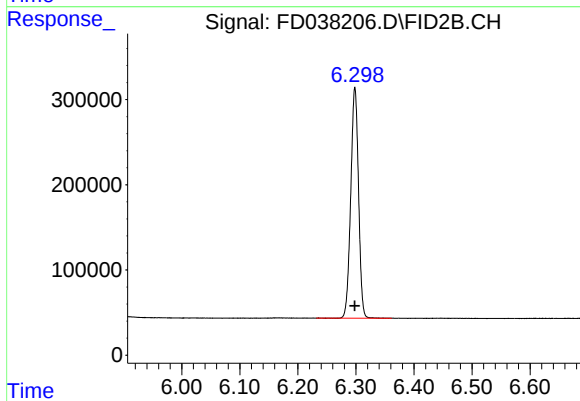
#2 n-Decane (C10)

R.T.: 4.290 min
Delta R.T.: -0.002 min
Response: 2481906
Conc: 20.29 ug/ml



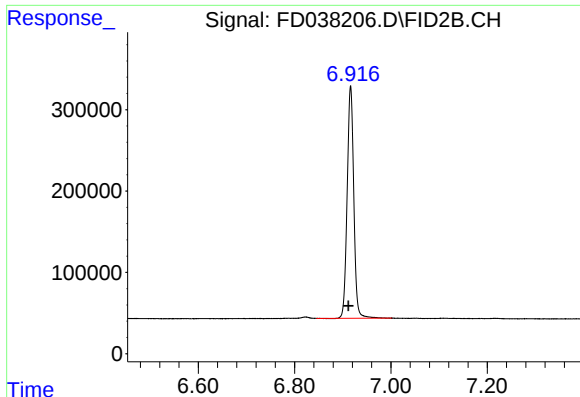
#3 A~Naphthalene (C11.7)

R.T.: 5.864 min
Delta R.T.: 0.003 min
Response: 2742944
Conc: 20.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.298 min
Delta R.T.: 0.000 min
Response: 2516703
Conc: 20.21 ug/ml



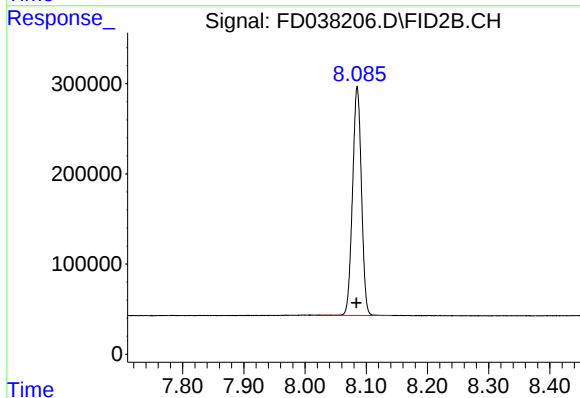
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 2730377
Conc: 19.82 ug/ml

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20 PPM ALIPHATIC HC STD

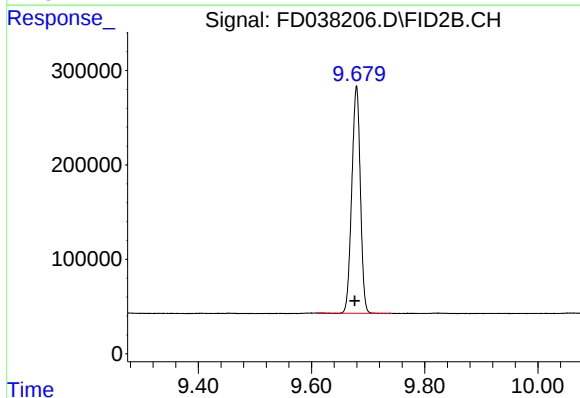
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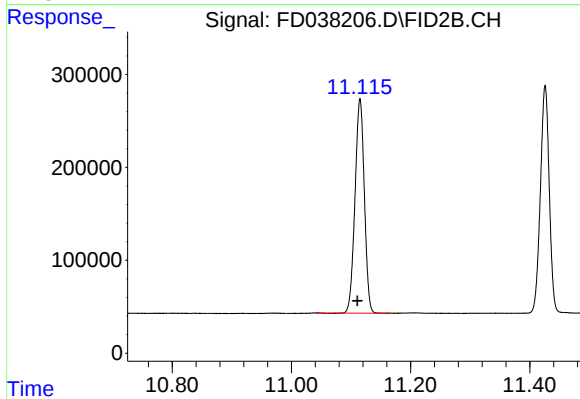
#6 n-Tetradecane (C14)

R.T.: 8.085 min
Delta R.T.: 0.002 min
Response: 2559002
Conc: 19.91 ug/ml



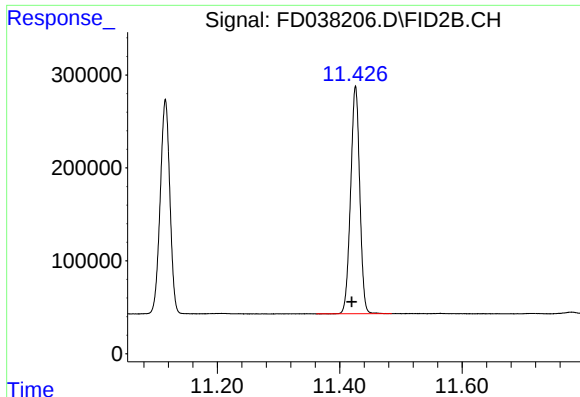
#7 n-Hexadecane (C16)

R.T.: 9.679 min
Delta R.T.: 0.003 min
Response: 2526434
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.115 min
Delta R.T.: 0.004 min
Response: 2513383
Conc: 18.66 ug/ml



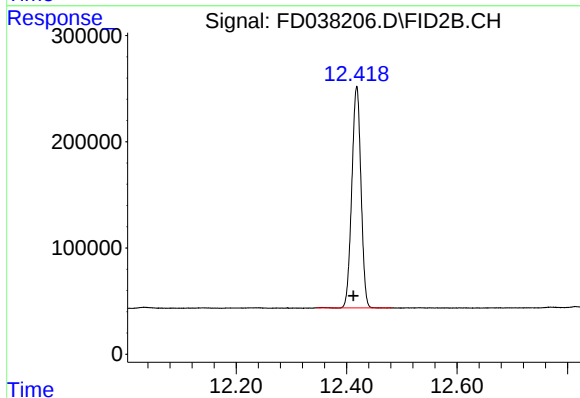
#9 ortho-Terphenyl (SURR)

R.T.: 11.426 min
Delta R.T.: 0.006 min
Response: 2537596
Conc: 17.56 ug/ml

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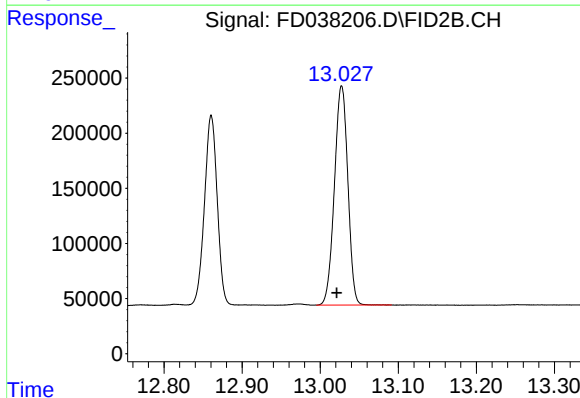
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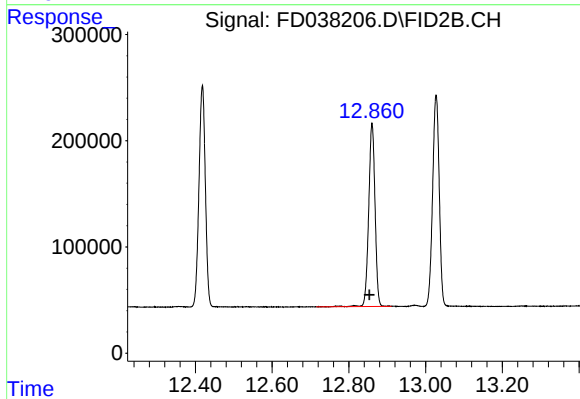
#10 n-Eicosane (C20)

R.T.: 12.418 min
Delta R.T.: 0.006 min
Response: 2400973
Conc: 17.88 ug/ml



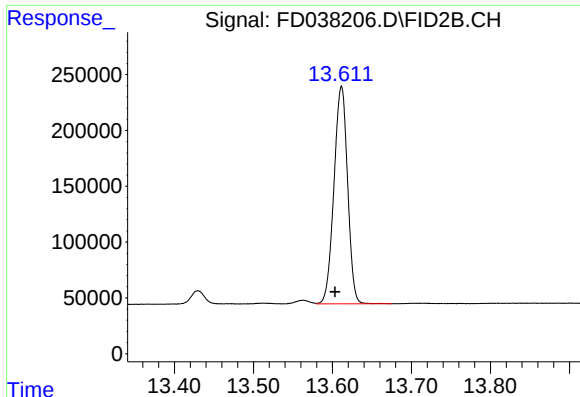
#11 n-Heneicosane (C21)

R.T.: 13.027 min
Delta R.T.: 0.006 min
Response: 2374622
Conc: 17.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.861 min
Delta R.T.: 0.007 min
Response: 1966270
Conc: 17.25 ug/ml



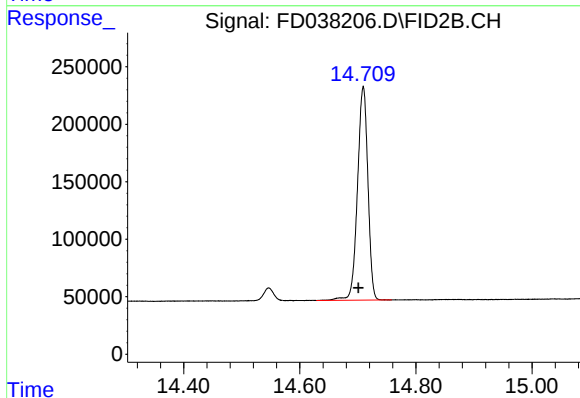
#13 n-Docosane (C22)

R.T.: 13.611 min
Delta R.T.: 0.008 min
Response: 2331942
Conc: 17.33 ug/ml

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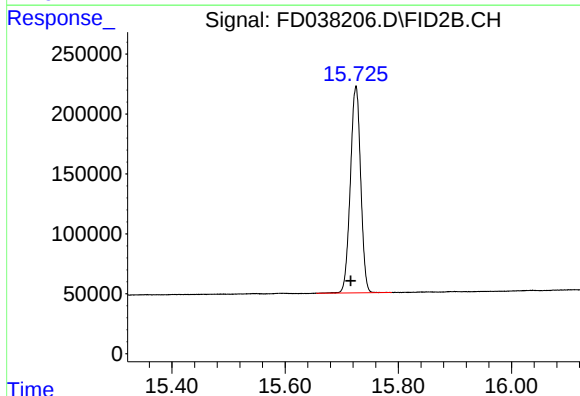
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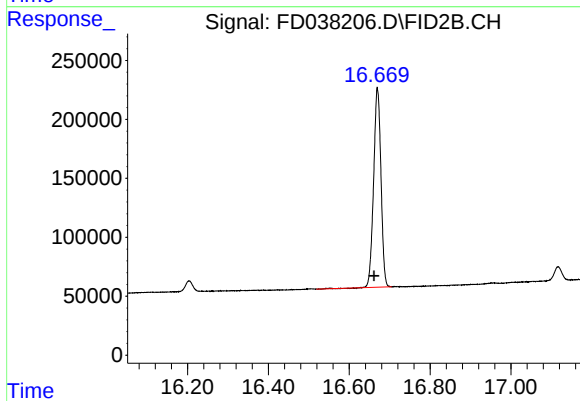
#14 n-Tetracosane (C24)

R.T.: 14.709 min
Delta R.T.: 0.008 min
Response: 2311451
Conc: 17.12 ug/ml



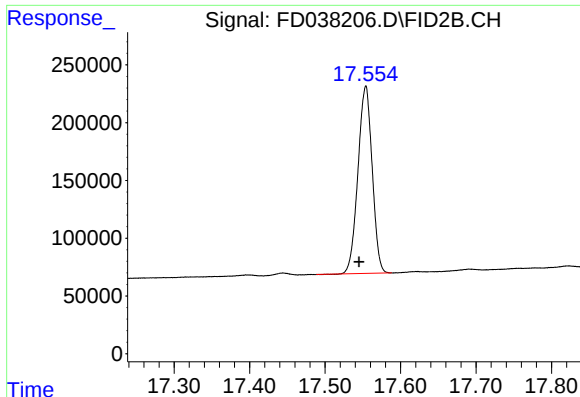
#15 n-Hexacosane (C26)

R.T.: 15.725 min
Delta R.T.: 0.009 min
Response: 2180012
Conc: 16.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.670 min
Delta R.T.: 0.009 min
Response: 2126655
Conc: 16.31 ug/ml



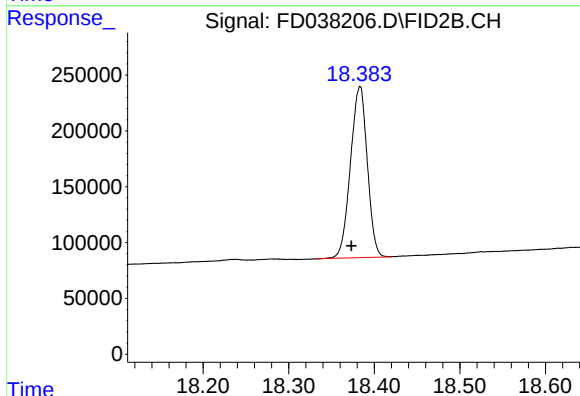
#17 n-Tricontane (C30)

R.T.: 17.554 min
Delta R.T.: 0.009 min
Response: 2121512
Conc: 16.60 ug/ml

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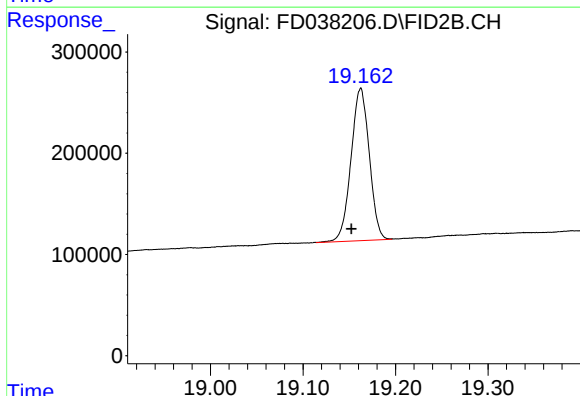
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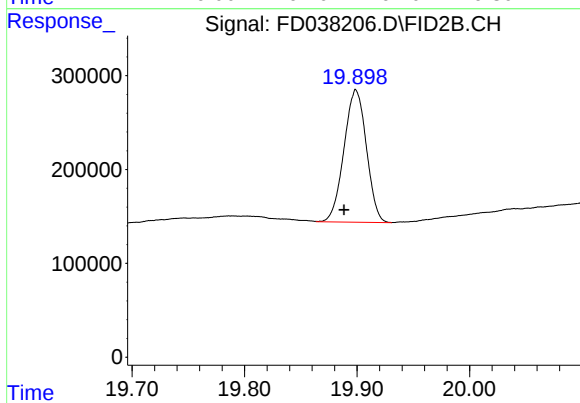
#18 n-Dotriacontane (C32)

R.T.: 18.383 min
Delta R.T.: 0.009 min
Response: 2092735
Conc: 17.01 ug/ml m



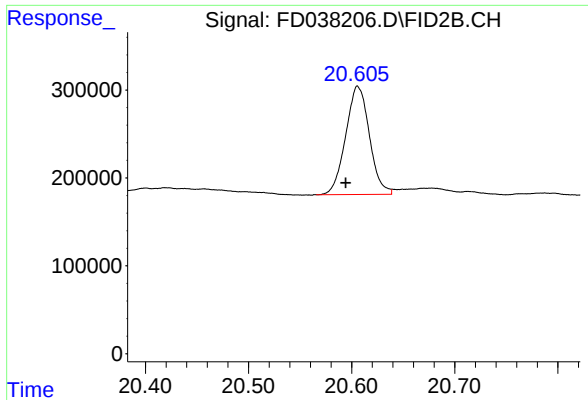
#19 n-Tetratriacontane (C34)

R.T.: 19.162 min
Delta R.T.: 0.010 min
Response: 2067426
Conc: 17.65 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.898 min
Delta R.T.: 0.010 min
Response: 1955500
Conc: 17.91 ug/ml m



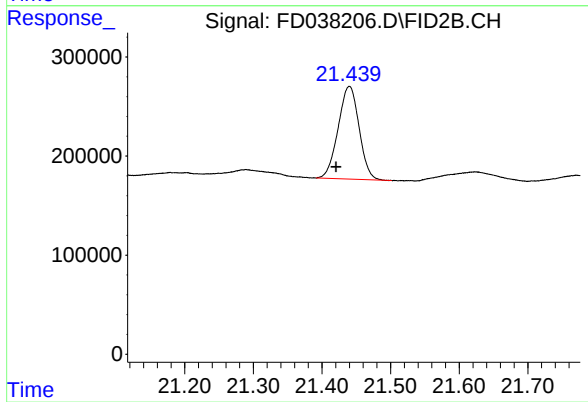
#21 n-Octatriacontane (C38)

R.T.: 20.605 min
Delta R.T.: 0.011 min
Response: 1975034
Conc: 19.61 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.440 min
Delta R.T.: 0.019 min
Response: 1975645
Conc: 20.20 ug/ml