

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090221AL\
 Data File : FD038768.D
 Signal(s) : FID2B.CH
 Acq On : 03 Sep 2021 9:05
 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
 9/7/2021 8:07:46 AM

Integration File: autoint1.e
 Quant Time: Sep 03 09:32:19 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 083021.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 31 06:05:30 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)	11.685	2792162	18.996 ug/ml
Spiked Amount 50.000		Recovery =	37.99%
12) S 1-chlorooctadecane (S...	13.112	2183196	18.769 ug/ml
Spiked Amount 50.000		Recovery =	37.54%
Target Compounds			
1) T n-Nonane (C9)	3.442	2599096	20.407 ug/ml
2) T n-Decane (C10)	4.513	2652057	20.475 ug/ml
3) T A~Naphthalene (C11.7)	6.106	2973399	20.418 ug/ml
4) T n-Dodecane (C12)	6.530	2672828	20.348 ug/ml
5) T A~2-methylnaphthalene...	7.161	2994830	20.248 ug/ml
6) T n-Tetradecane (C14)	8.323	2705612	20.074 ug/ml
7) T n-Hexadecane (C16)	9.921	2693879	19.703 ug/ml
8) T n-Octadecane (C18)	11.361	2707778	19.376 ug/ml
10) T n-Eicosane (C20)	12.667	2622111	19.017 ug/ml
11) T n-Heneicosane (C21)	13.277	2615078	18.816 ug/ml
13) T n-Docosane (C22)	13.862	2533195	18.594 ug/ml
14) T n-Tetracosane (C24)	14.961	2450485	18.342 ug/ml
15) T n-Hexacosane (C26)	15.978	2311327	18.226 ug/ml
16) T n-Octacosane (C28)	16.924	2229500	18.438 ug/ml
17) T n-Tricontane (C30)	17.809	2207240	19.242 ug/ml
18) T n-Dotriacontane (C32)	18.639	2156499	19.940 ug/ml
19) T n-Tetratriacontane (C34)	19.419	2076513	19.946 ug/ml
20) T n-Hexatriacontane (C36)	20.155	1980394	20.198 ug/ml
21) T n-Octatriacontane (C38)	20.899	2049742	21.739 ug/ml
22) T n-Tetracontane (C40)	21.830	2360814	24.934 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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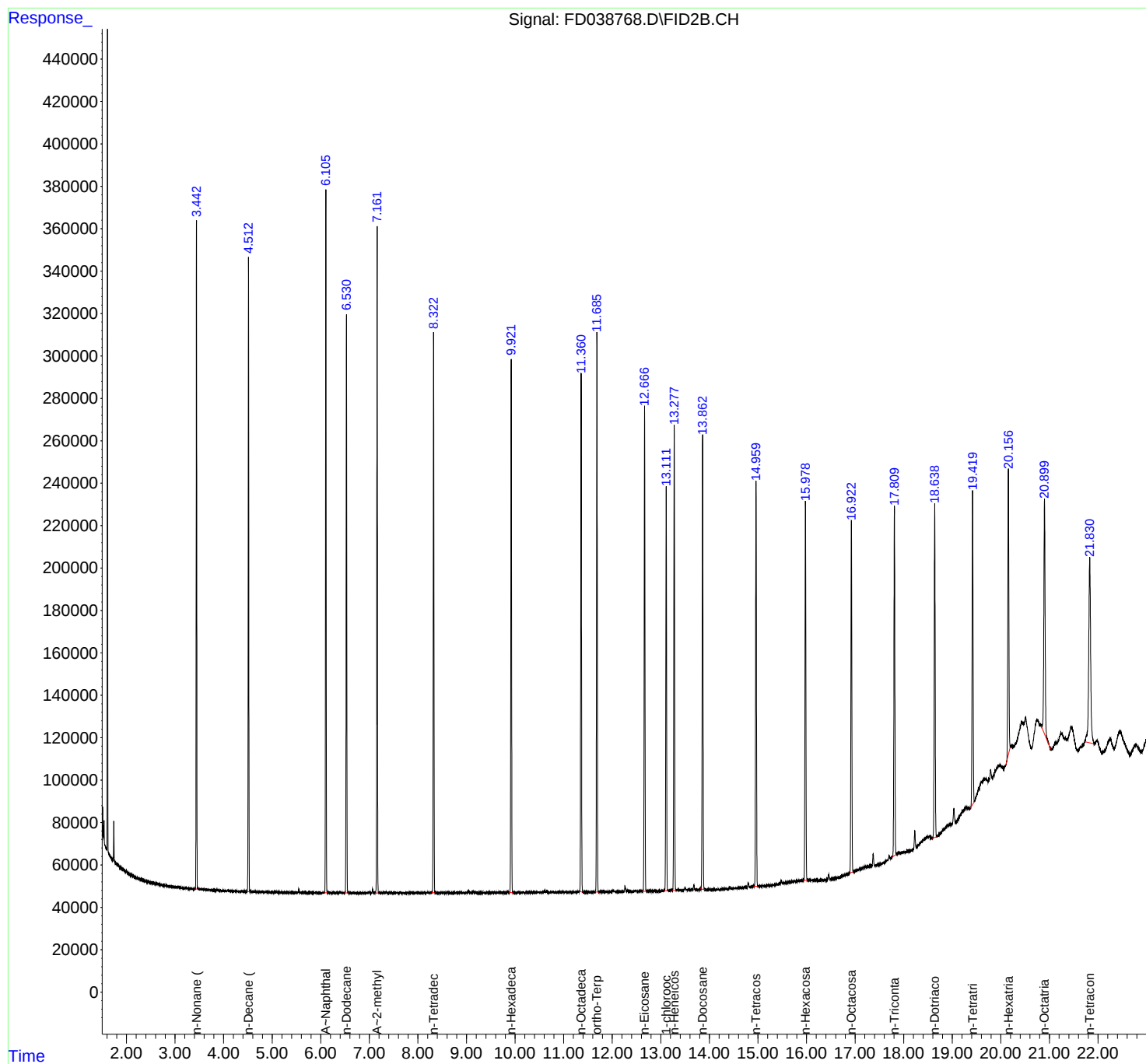
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20 PPM ALIPHATIC HC STD

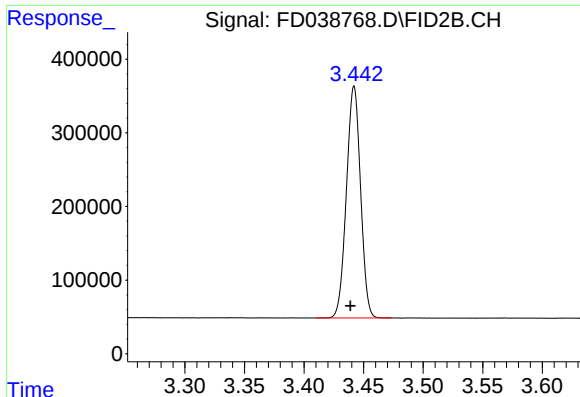
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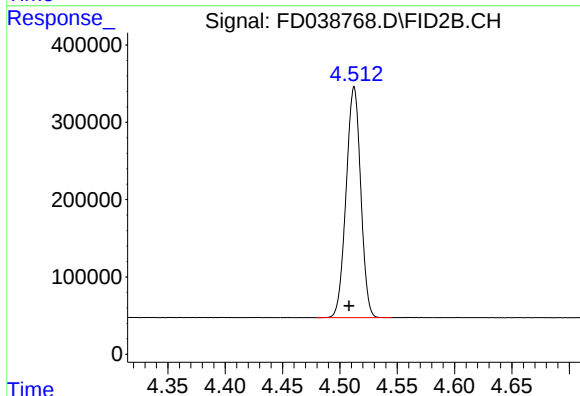
#1 n-Nonane (C9)

R.T.: 3.442 min
Delta R.T.: 0.003 min
Response: 2599096
Conc: 20.41 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

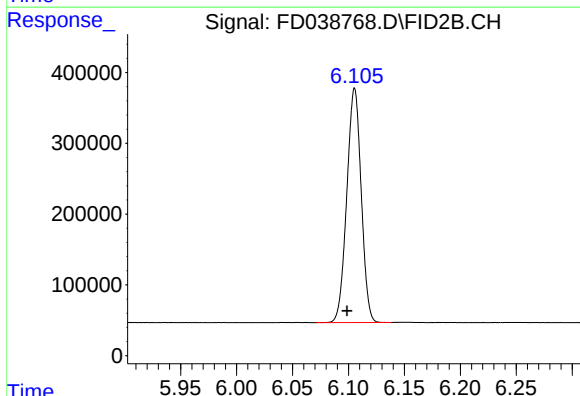
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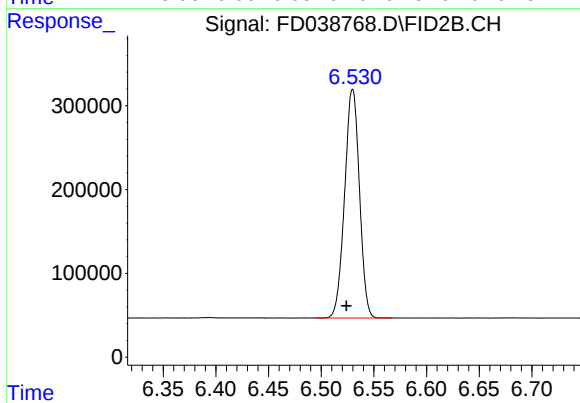
#2 n-Decane (C10)

R.T.: 4.513 min
Delta R.T.: 0.005 min
Response: 2652057
Conc: 20.48 ug/ml



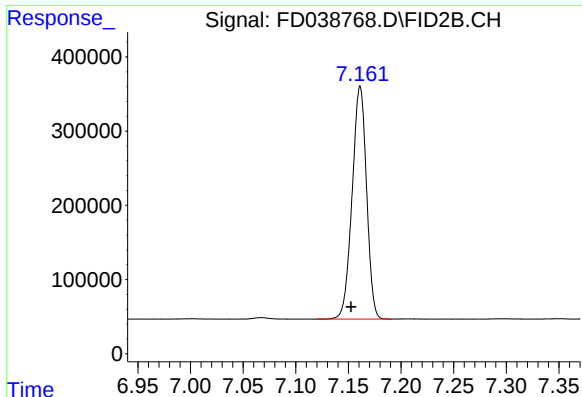
#3 A~Naphthalene (C11.7)

R.T.: 6.106 min
Delta R.T.: 0.007 min
Response: 2973399
Conc: 20.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.530 min
Delta R.T.: 0.006 min
Response: 2672828
Conc: 20.35 ug/ml



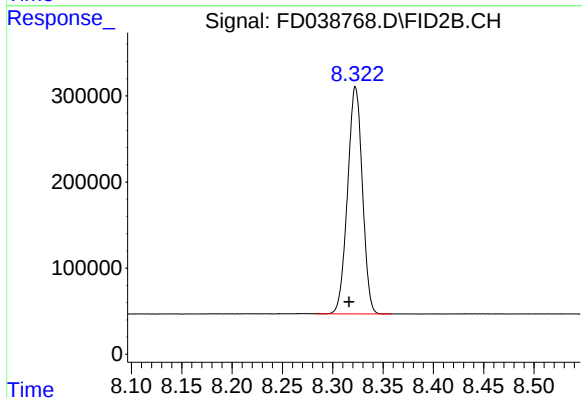
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.161 min
Delta R.T.: 0.009 min
Response: 2994830
Conc: 20.25 ug/ml

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20 PPM ALIPHATIC HC STD

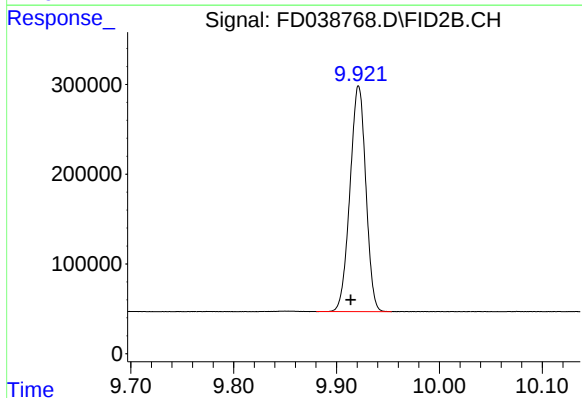
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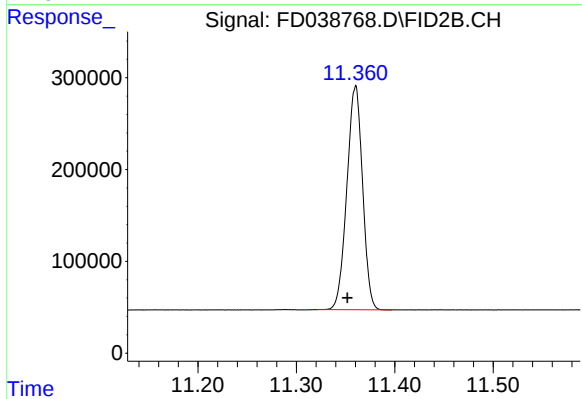
#6 n-Tetradecane (C14)

R.T.: 8.323 min
Delta R.T.: 0.007 min
Response: 2705612
Conc: 20.07 ug/ml



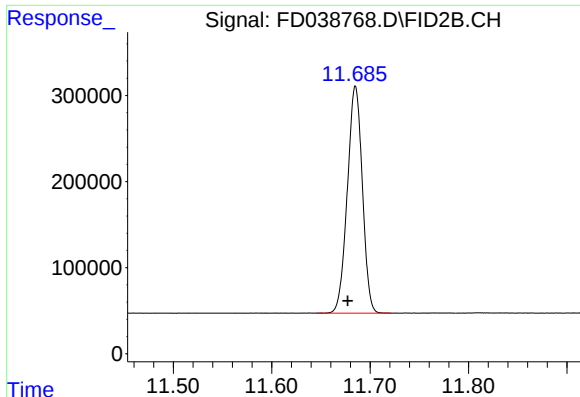
#7 n-Hexadecane (C16)

R.T.: 9.921 min
Delta R.T.: 0.008 min
Response: 2693879
Conc: 19.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.361 min
Delta R.T.: 0.008 min
Response: 2707778
Conc: 19.38 ug/ml



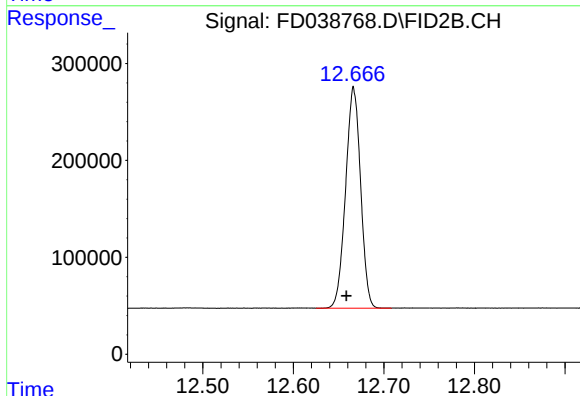
#9 ortho-Terphenyl (SURR)

R.T.: 11.685 min
Delta R.T.: 0.008 min
Response: 2792162
Conc: 19.00 ug/ml

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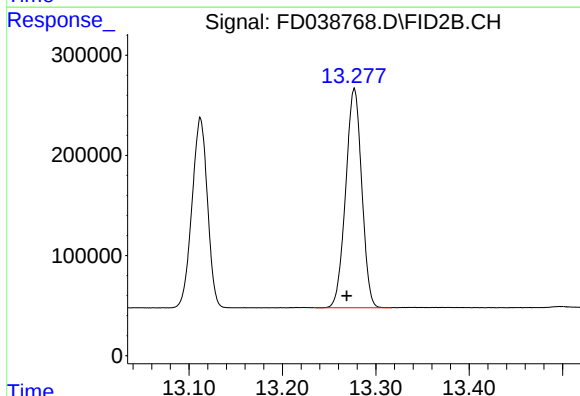
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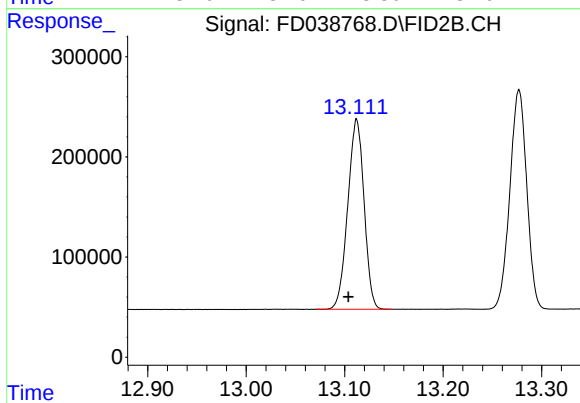
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: 0.008 min
Response: 2622111
Conc: 19.02 ug/ml



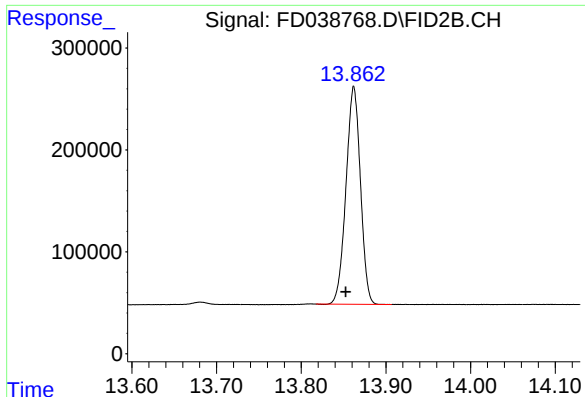
#11 n-Heneicosane (C21)

R.T.: 13.277 min
Delta R.T.: 0.008 min
Response: 2615078
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: 0.008 min
Response: 2183196
Conc: 18.77 ug/ml



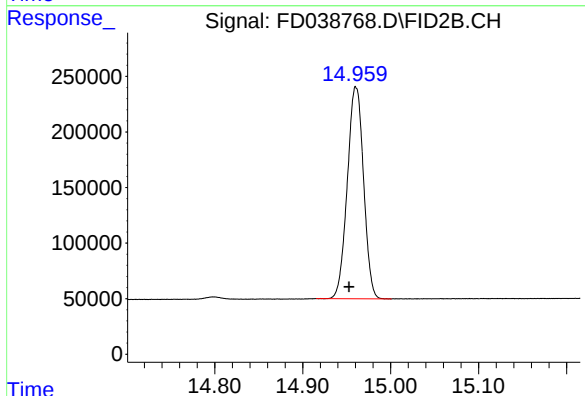
#13 n-Docosane (C22)

R.T.: 13.862 min
Delta R.T.: 0.010 min
Response: 2533195
Conc: 18.59 ug/ml

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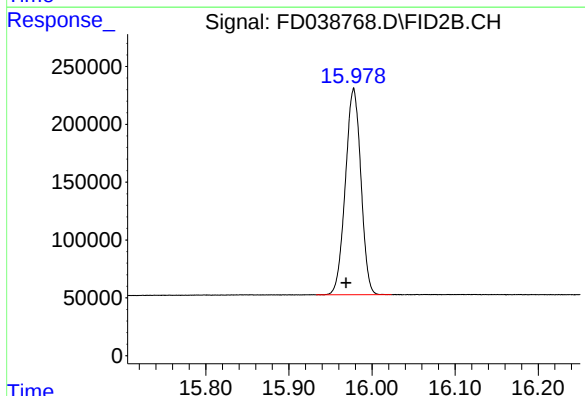
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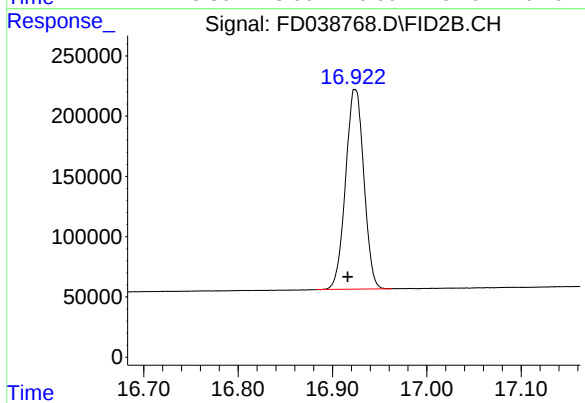
#14 n-Tetracosane (C24)

R.T.: 14.961 min
Delta R.T.: 0.008 min
Response: 2450485
Conc: 18.34 ug/ml



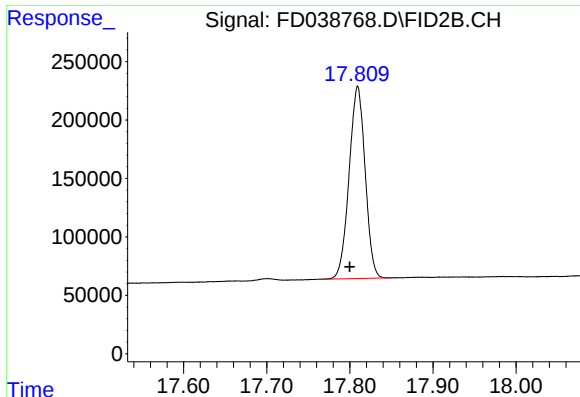
#15 n-Hexacosane (C26)

R.T.: 15.978 min
Delta R.T.: 0.009 min
Response: 2311327
Conc: 18.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.924 min
Delta R.T.: 0.008 min
Response: 2229500
Conc: 18.44 ug/ml



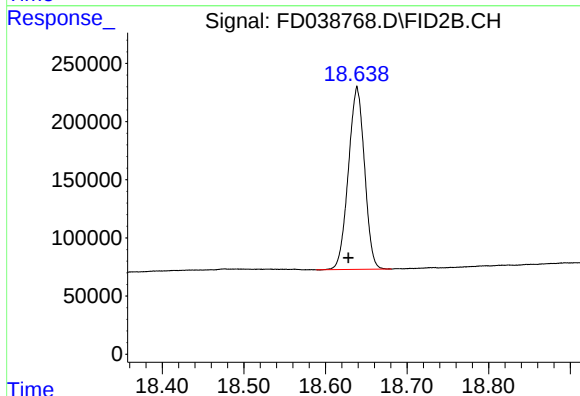
#17 n-Tricontane (C30)

R.T.: 17.809 min
Delta R.T.: 0.010 min
Response: 2207240
Conc: 19.24 ug/ml

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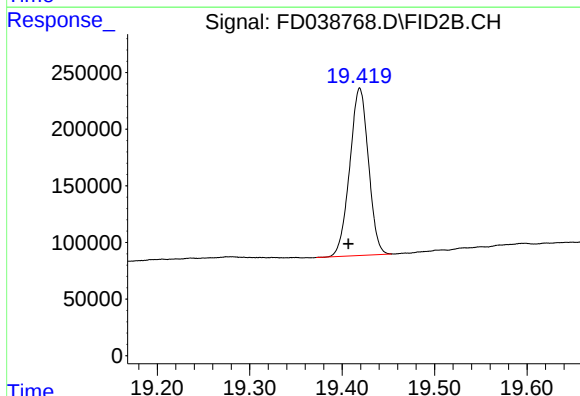
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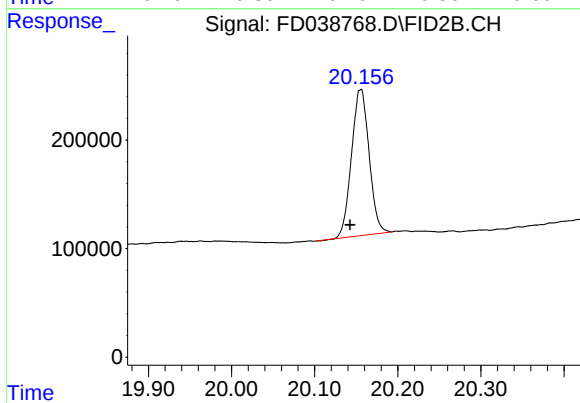
#18 n-Dotriacontane (C32)

R.T.: 18.639 min
Delta R.T.: 0.011 min
Response: 2156499
Conc: 19.94 ug/ml



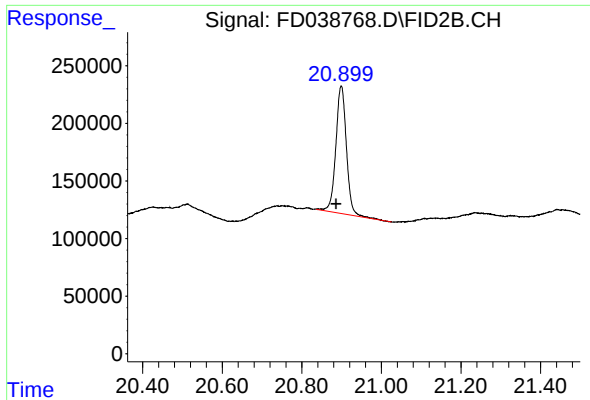
#19 n-Tetratriacontane (C34)

R.T.: 19.419 min
Delta R.T.: 0.012 min
Response: 2076513
Conc: 19.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.155 min
Delta R.T.: 0.013 min
Response: 1980394
Conc: 20.20 ug/ml



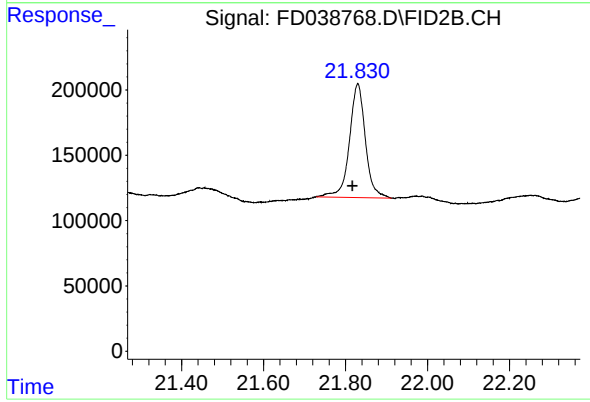
#21 n-Octatriacontane (C38)

R.T.: 20.899 min
Delta R.T.: 0.013 min
Response: 2049742
Conc: 21.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.830 min
Delta R.T.: 0.013 min
Response: 2360814
Conc: 24.93 ug/ml m