

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD053122AL\
 Data File : FD042714.D
 Signal(s) : FID2B.CH
 Acq On : 01 Jun 2022 10:31
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2022
 Supervised By :Ankita Jodhani 06/16/2022

Integration File: sample.E
 Quant Time: Jun 01 11:30:58 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 052722.M
 Quant Title : GC Extractables
 QLast Update : Sat May 28 07:55:57 2022
 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)	11.583	3278380	19.739 ug/ml
Spiked Amount 50.000		Recovery =	39.48%
12) S 1-chlorooctadecane (S...	13.017	2582314	19.773 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
Target Compounds			
1) T n-Nonane (C9)	3.352	2821293	20.366 ug/ml
2) T n-Decane (C10)	4.420	2837670	20.550 ug/ml
3) T A~Naphthalene (C11.7)	6.002	3248686	20.651 ug/ml
4) T n-Dodecane (C12)	6.436	2920391	20.609 ug/ml
5) T A~2-methylnaphthalene...	7.056	3307597	20.659 ug/ml
6) T n-Tetradecane (C14)	8.229	2964737	20.586 ug/ml
7) T n-Hexadecane (C16)	9.826	3018036	20.460 ug/ml
8) T n-Octadecane (C18)	11.266	3041039	20.204 ug/ml
10) T n-Eicosane (C20)	12.573	2984629	19.847 ug/ml
11) T n-Heneicosane (C21)	13.184	2977390	19.668 ug/ml
13) T n-Docosane (C22)	13.770	2954507	19.545 ug/ml
14) T n-Tetracosane (C24)	14.870	2871048	19.130 ug/ml
15) T n-Hexacosane (C26)	15.889	2771552	19.010 ug/ml
16) T n-Octacosane (C28)	16.837	2691107	19.295 ug/ml
17) T n-Tricontane (C30)	17.722	2615973	20.009 ug/ml
18) T n-Dotriacontane (C32)	18.552	2456303	20.803 ug/ml
19) T n-Tetratriacontane (C34)	19.333	2275725	21.408 ug/ml
20) T n-Hexatriacontane (C36)	20.071	2183769	22.334 ug/ml
21) T n-Octatriacontane (C38)	20.802	2008631	22.021 ug/mlm
22) T n-Tetracontane (C40)	21.701	2017309	24.895 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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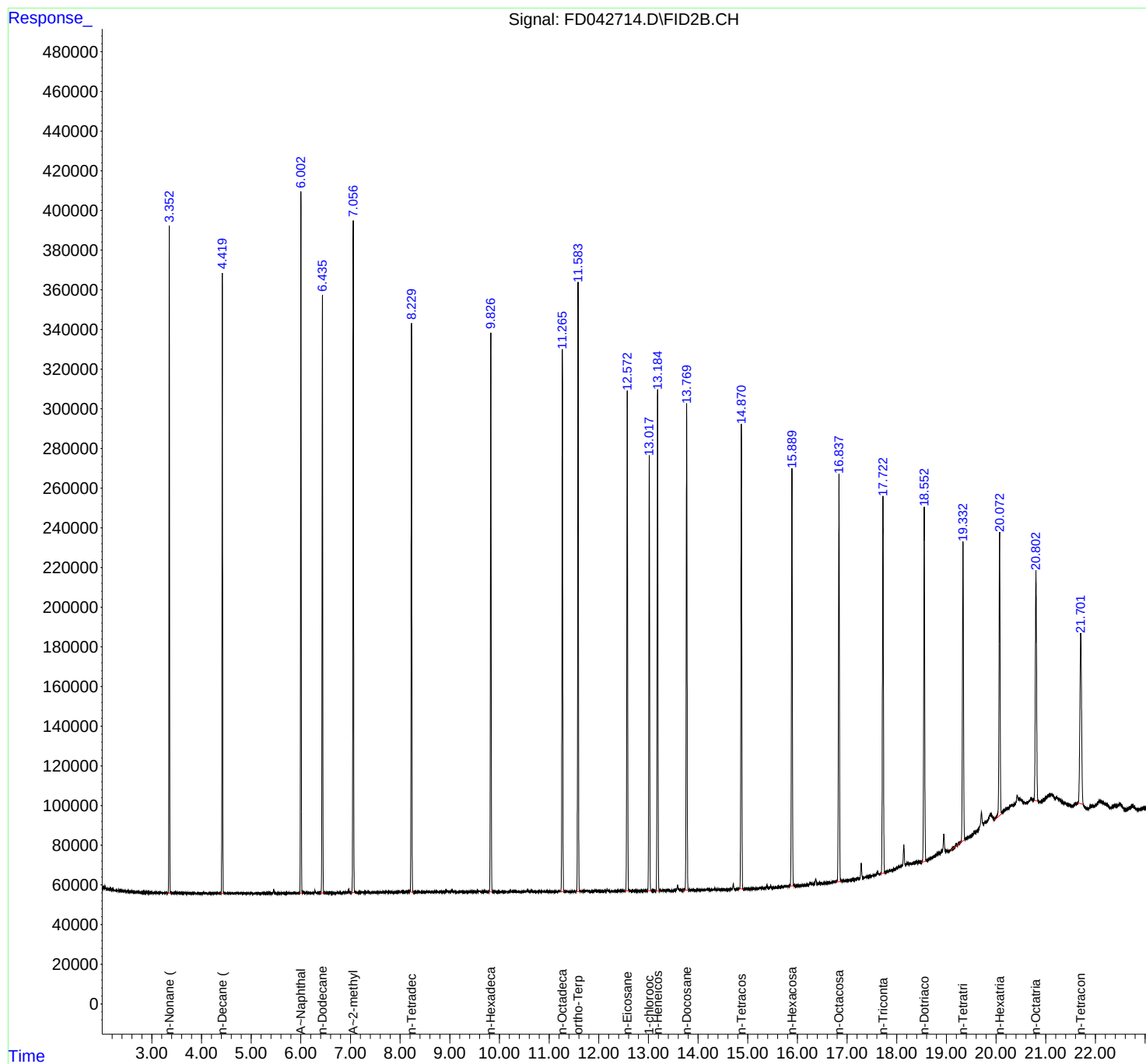
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20 PPM ALIPHATIC HC STD

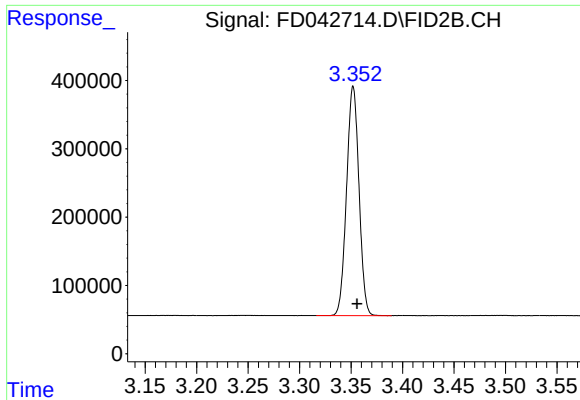
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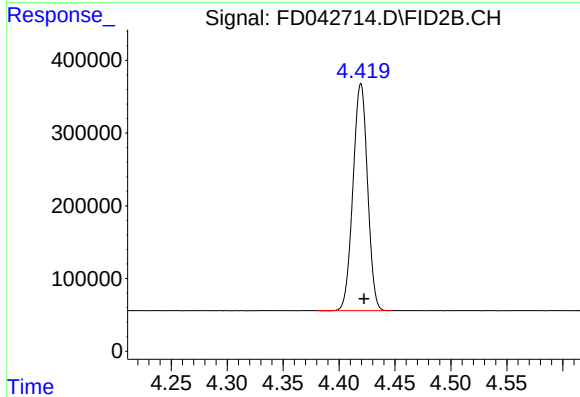
#1 n-Nonane (C9)

R.T.: 3.352 min
Delta R.T.: -0.004 min
Response: 2821293
Conc: 20.37 ug/ml

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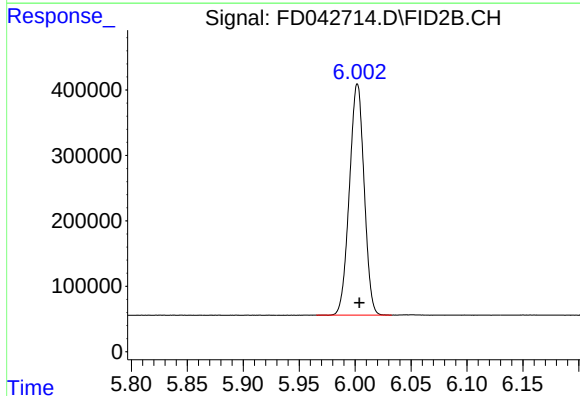
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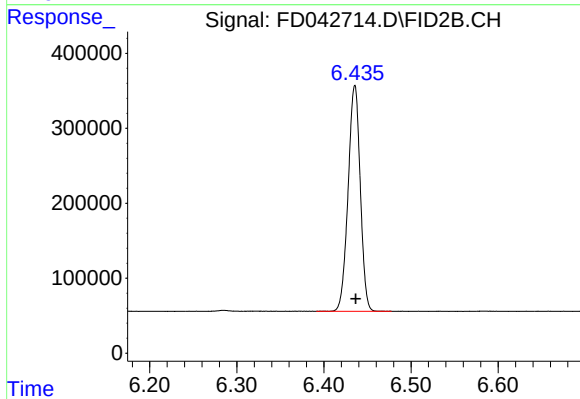
#2 n-Decane (C10)

R.T.: 4.420 min
Delta R.T.: -0.003 min
Response: 2837670
Conc: 20.55 ug/ml



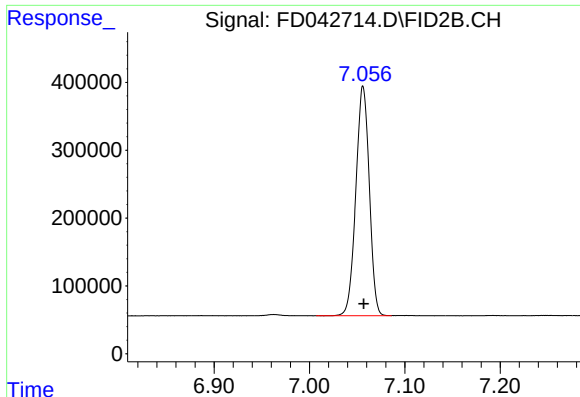
#3 A~Naphthalene (C11.7)

R.T.: 6.002 min
Delta R.T.: -0.002 min
Response: 3248686
Conc: 20.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 2920391
Conc: 20.61 ug/ml



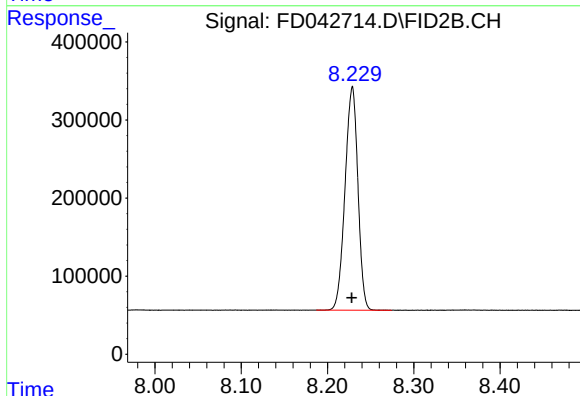
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.056 min
Delta R.T.: 0.000 min
Response: 3307597
Conc: 20.66 ug/ml

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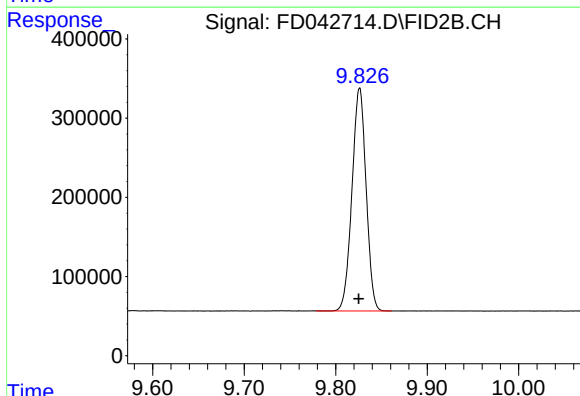
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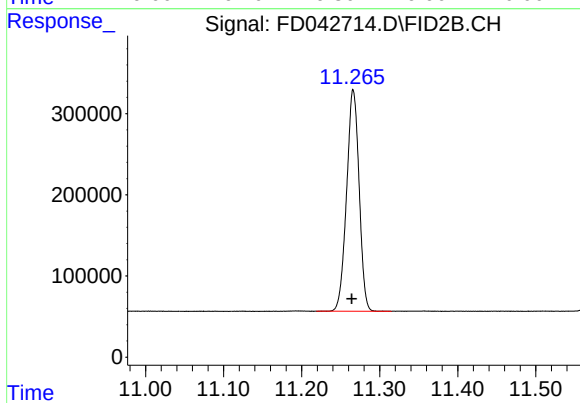
#6 n-Tetradecane (C14)

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 2964737
Conc: 20.59 ug/ml



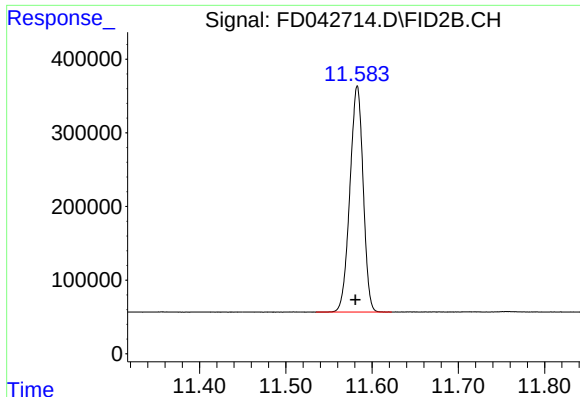
#7 n-Hexadecane (C16)

R.T.: 9.826 min
Delta R.T.: 0.000 min
Response: 3018036
Conc: 20.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.266 min
Delta R.T.: 0.002 min
Response: 3041039
Conc: 20.20 ug/ml



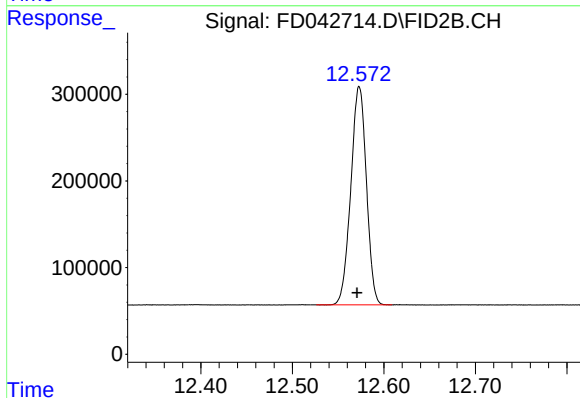
#9 ortho-Terphenyl (SURR)

R.T.: 11.583 min
Delta R.T.: 0.002 min
Response: 3278380
Conc: 19.74 ug/ml

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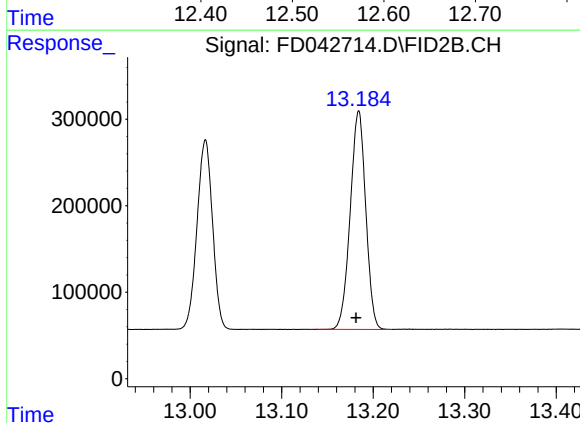
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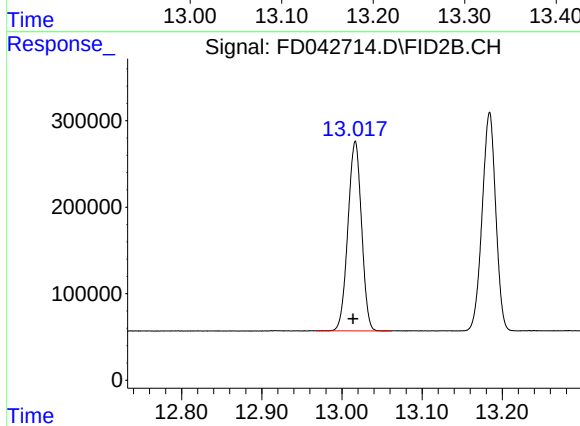
#10 n-Eicosane (C20)

R.T.: 12.573 min
Delta R.T.: 0.002 min
Response: 2984629
Conc: 19.85 ug/ml



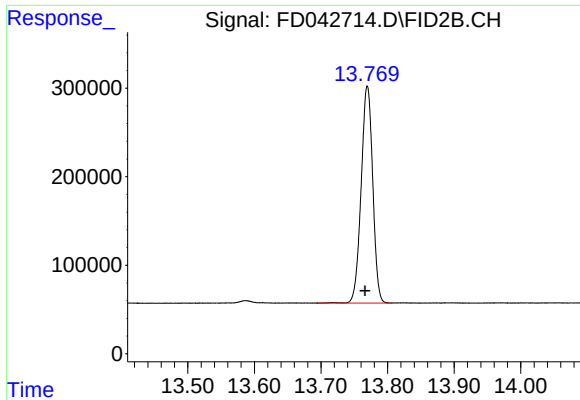
#11 n-Heneicosane (C21)

R.T.: 13.184 min
Delta R.T.: 0.003 min
Response: 2977390
Conc: 19.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.017 min
Delta R.T.: 0.003 min
Response: 2582314
Conc: 19.77 ug/ml



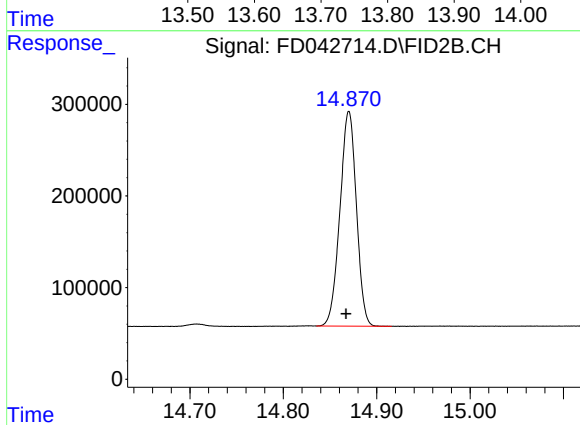
#13 n-Docosane (C22)

R.T.: 13.770 min
Delta R.T.: 0.003 min
Response: 2954507
Conc: 19.55 ug/ml

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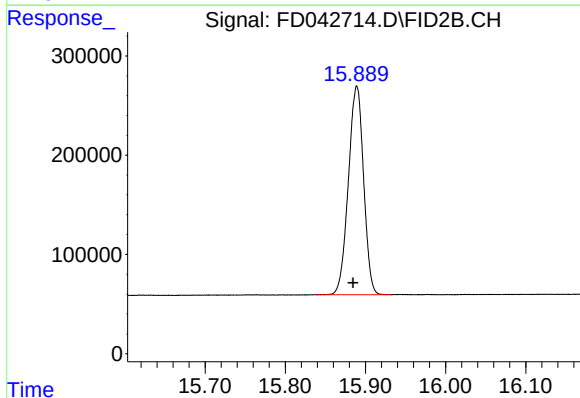
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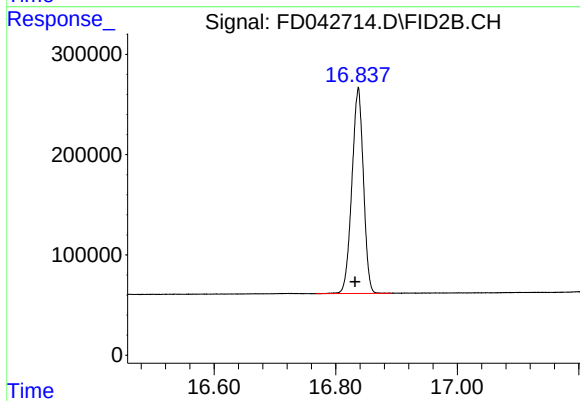
#14 n-Tetracosane (C24)

R.T.: 14.870 min
Delta R.T.: 0.003 min
Response: 2871048
Conc: 19.13 ug/ml



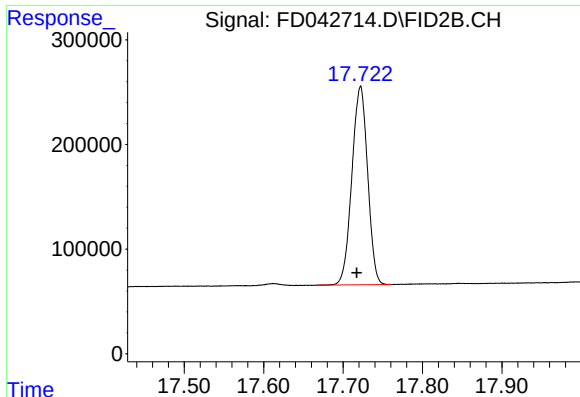
#15 n-Hexacosane (C26)

R.T.: 15.889 min
Delta R.T.: 0.005 min
Response: 2771552
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.837 min
Delta R.T.: 0.005 min
Response: 2691107
Conc: 19.29 ug/ml



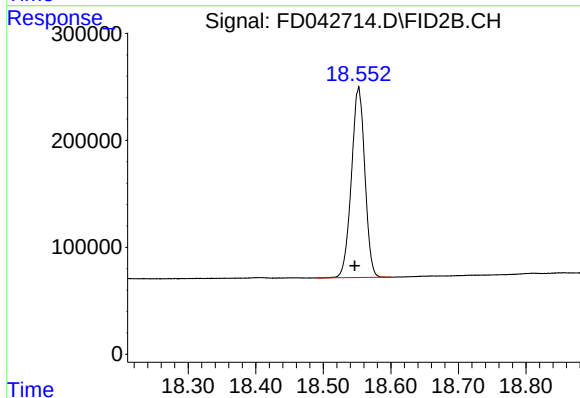
#17 n-Tricontane (C30)

R.T.: 17.722 min
Delta R.T.: 0.005 min
Response: 2615973
Conc: 20.01 ug/ml

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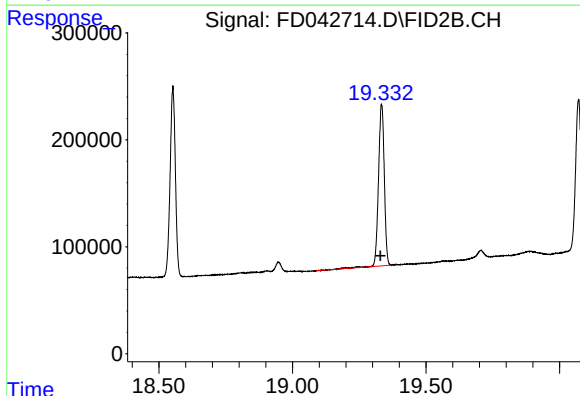
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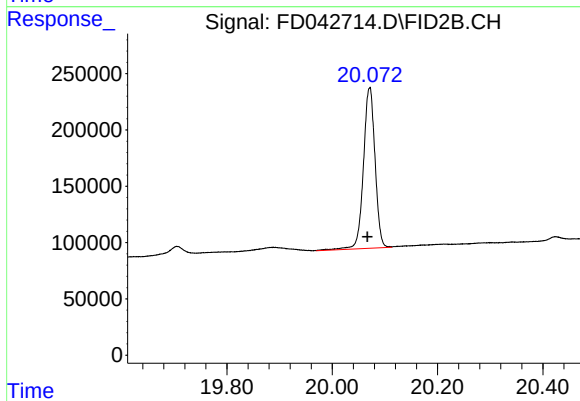
#18 n-Dotriacontane (C32)

R.T.: 18.552 min
Delta R.T.: 0.005 min
Response: 2456303
Conc: 20.80 ug/ml



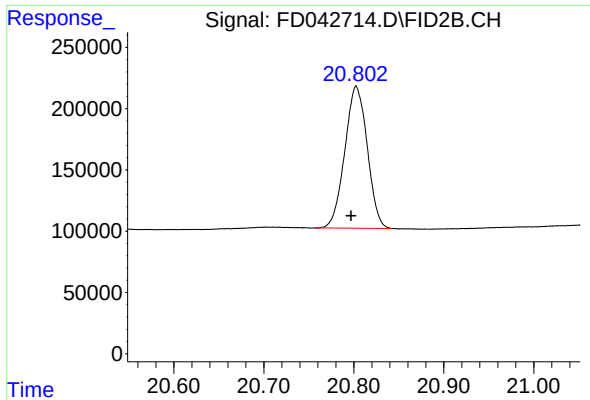
#19 n-Tetratriacontane (C34)

R.T.: 19.333 min
Delta R.T.: 0.005 min
Response: 2275725
Conc: 21.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.071 min
Delta R.T.: 0.005 min
Response: 2183769
Conc: 22.33 ug/ml



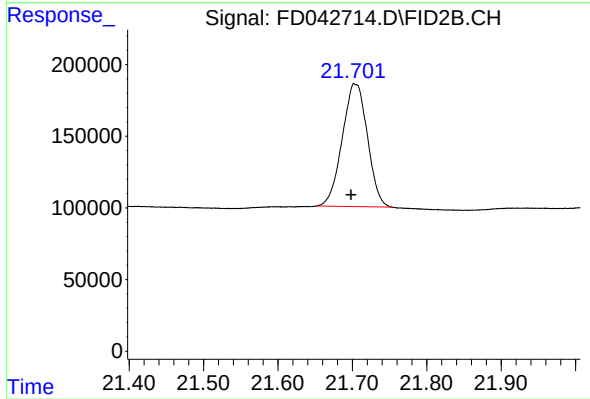
#21 n-Octatriacontane (C38)

R.T.: 20.802 min
Delta R.T.: 0.005 min
Response: 2008631
Conc: 22.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.701 min
Delta R.T.: 0.003 min
Response: 2017309
Conc: 24.89 ug/ml m