

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062921AL\
 Data File : FD038045.D
 Signal(s) : FID2B.CH
 Acq On : 30 Jun 2021 3:22
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 6/30/2021 2:09:21 PM

Integration File: sample.E
 Quant Time: Jun 30 05:12:55 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 061021.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 11 05:11:15 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)	11.425	2843750	20.038 ug/ml
Spiked Amount 50.000		Recovery =	40.08%
12) S 1-chlorooctadecane (S...	12.859	2172035	19.482 ug/ml
Spiked Amount 50.000		Recovery =	38.96%
Target Compounds			
1) T n-Nonane (C9)	3.239	2672518	22.104 ug/ml
2) T n-Decane (C10)	4.296	2714072	22.142 ug/ml
3) T A~Naphthalene (C11.7)	5.865	2979470	22.094 ug/ml
4) T n-Dodecane (C12)	6.302	2748125	22.385 ug/ml
5) T A~2-methylnaphthalene...	6.916	2953382	21.811 ug/ml
6) T n-Tetradecane (C14)	8.088	2771895	22.089 ug/ml
7) T n-Hexadecane (C16)	9.681	2734238	21.364 ug/ml
8) T n-Octadecane (C18)	11.115	2745281	20.776 ug/ml
10) T n-Eicosane (C20)	12.418	2650879	20.085 ug/ml
11) T n-Heneicosane (C21)	13.027	2621807	19.758 ug/ml
13) T n-Docosane (C22)	13.610	2570532	19.606 ug/ml
14) T n-Tetracosane (C24)	14.707	2509295	19.229 ug/ml
15) T n-Hexacosane (C26)	15.722	2416804	19.042 ug/ml
16) T n-Octacosane (C28)	16.667	2343749	18.888 ug/ml
17) T n-Tricontane (C30)	17.551	2268275	18.851 ug/ml
18) T n-Dotriacontane (C32)	18.379	2184735	19.087 ug/ml
19) T n-Tetratriacontane (C34)	19.158	2122605	19.638 ug/ml
20) T n-Hexatriacontane (C36)	19.894	2011944	20.147 ug/ml
21) T n-Octatriacontane (C38)	20.600	1933563	21.050 ug/ml
22) T n-Tetracontane (C40)	21.429	1993918	20.962 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 57 Sample Multiplier: 1

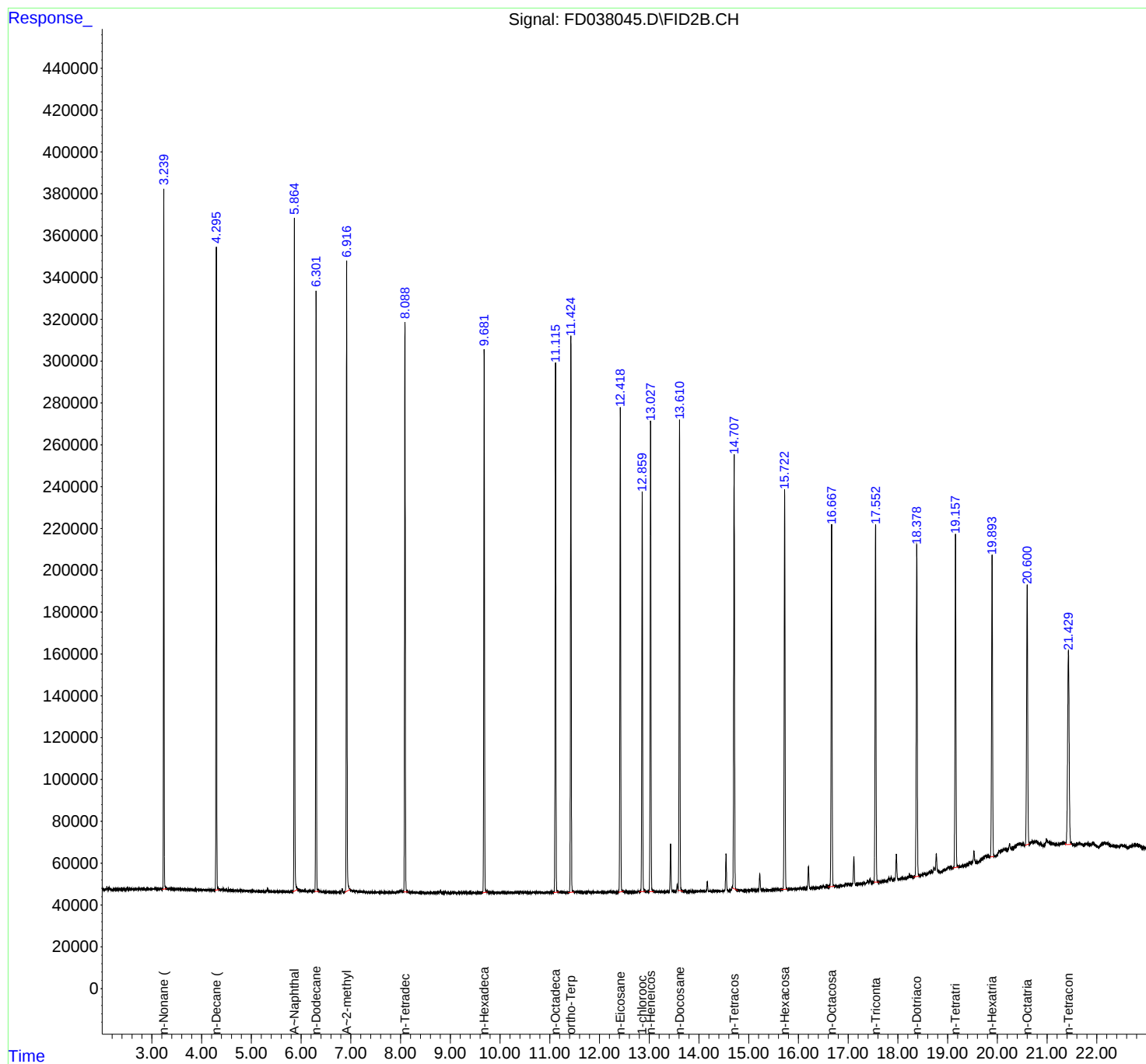
Instrument :
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20 PPM ALIPHATIC HC STD

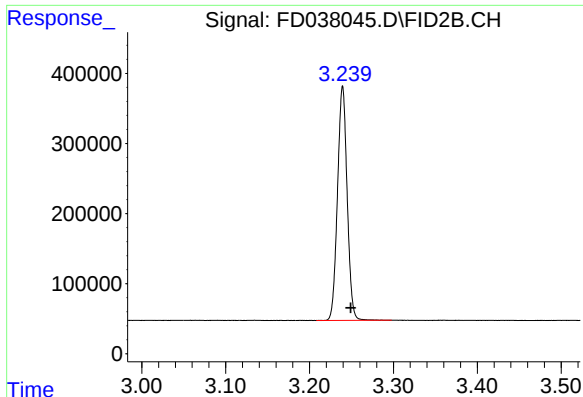
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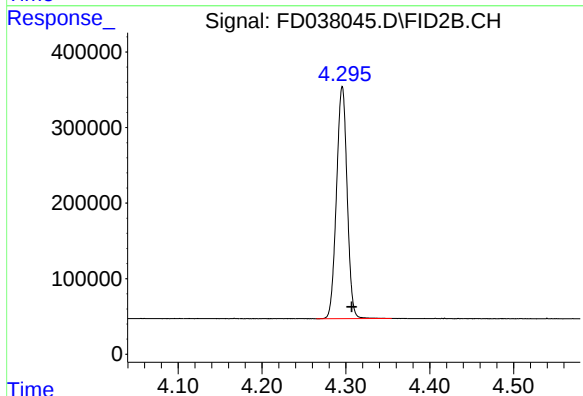
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: -0.010 min
Response: 2672518
Conc: 22.10 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

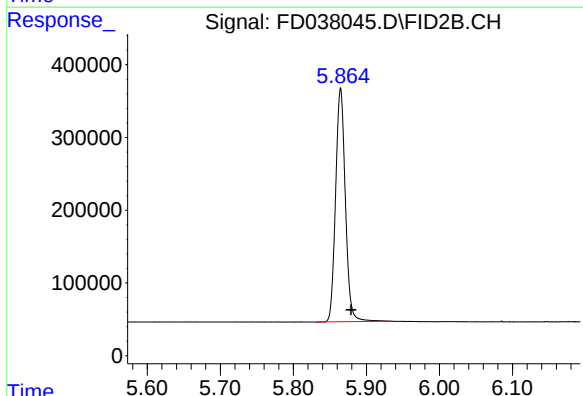
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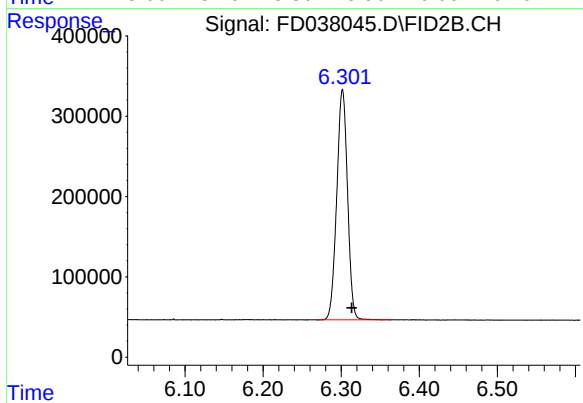
#2 n-Decane (C10)

R.T.: 4.296 min
Delta R.T.: -0.011 min
Response: 2714072
Conc: 22.14 ug/ml



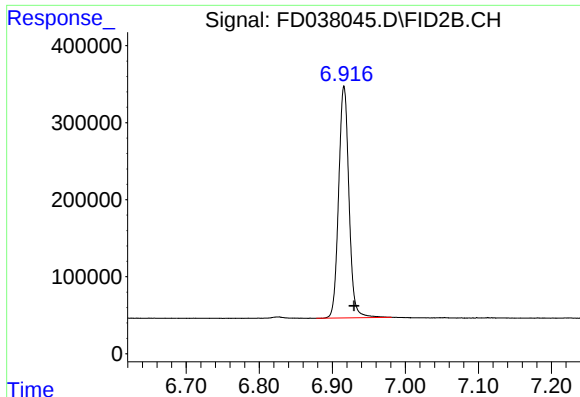
#3 A~Naphthalene (C11.7)

R.T.: 5.865 min
Delta R.T.: -0.014 min
Response: 2979470
Conc: 22.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.302 min
Delta R.T.: -0.012 min
Response: 2748125
Conc: 22.38 ug/ml



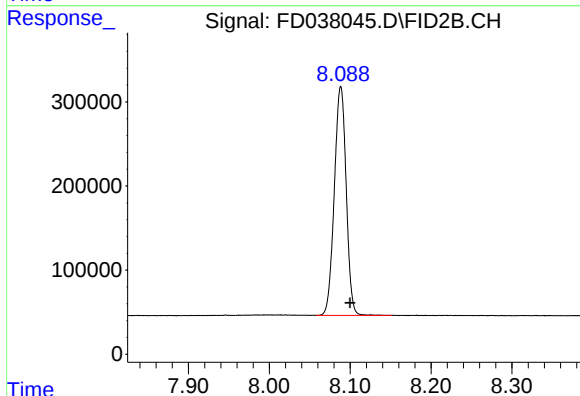
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.916 min
Delta R.T.: -0.014 min
Response: 2953382
Conc: 21.81 ug/ml

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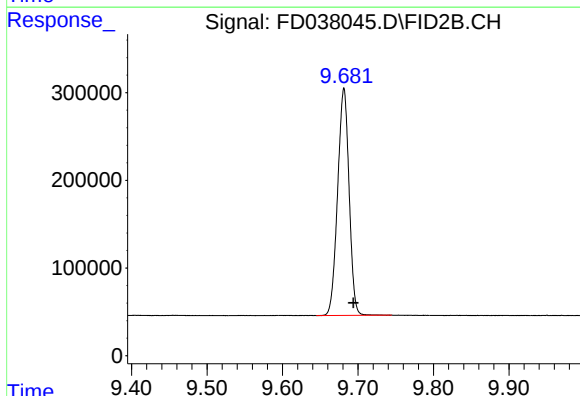
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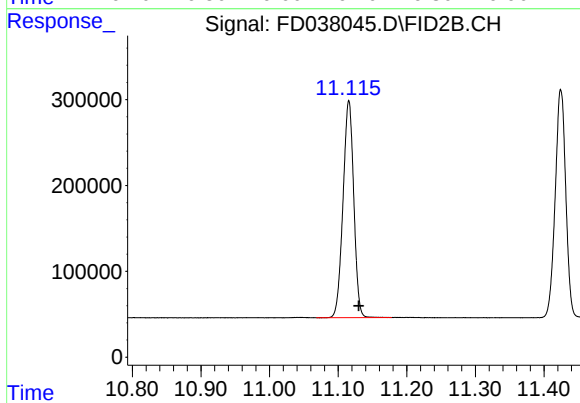
#6 n-Tetradecane (C14)

R.T.: 8.088 min
Delta R.T.: -0.012 min
Response: 2771895
Conc: 22.09 ug/ml



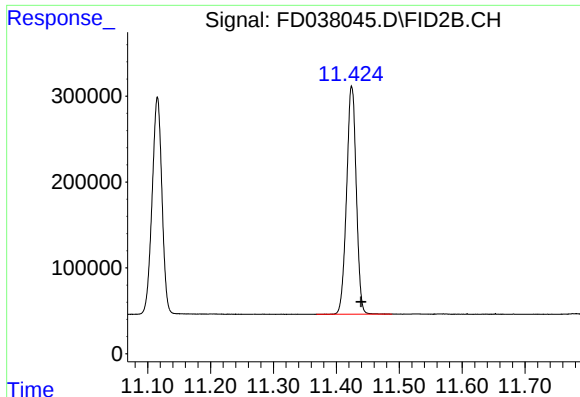
#7 n-Hexadecane (C16)

R.T.: 9.681 min
Delta R.T.: -0.013 min
Response: 2734238
Conc: 21.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.115 min
Delta R.T.: -0.014 min
Response: 2745281
Conc: 20.78 ug/ml



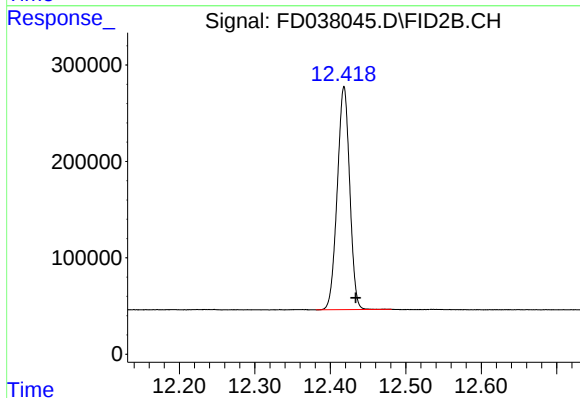
#9 ortho-Terphenyl (SURR)

R.T.: 11.425 min
Delta R.T.: -0.015 min
Response: 2843750
Conc: 20.04 ug/ml

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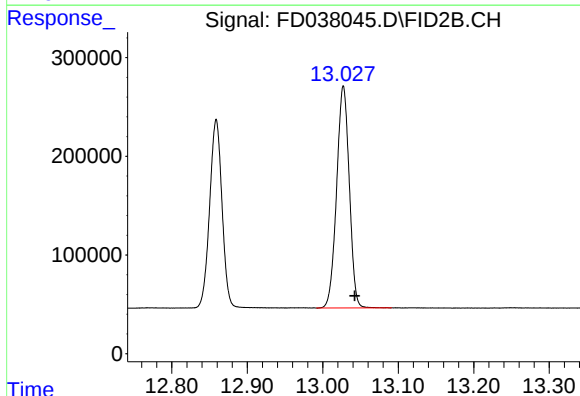
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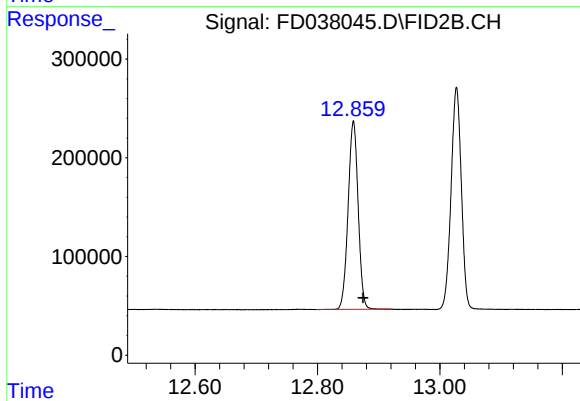
#10 n-Eicosane (C20)

R.T.: 12.418 min
Delta R.T.: -0.016 min
Response: 2650879
Conc: 20.09 ug/ml



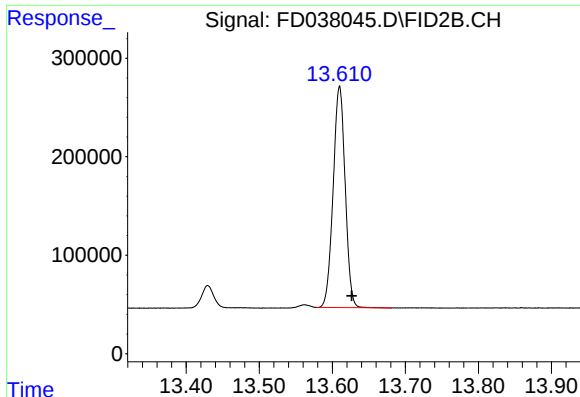
#11 n-Heneicosane (C21)

R.T.: 13.027 min
Delta R.T.: -0.015 min
Response: 2621807
Conc: 19.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.859 min
Delta R.T.: -0.016 min
Response: 2172035
Conc: 19.48 ug/ml



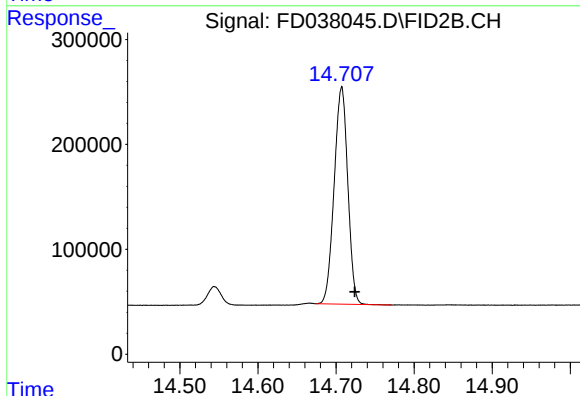
#13 n-Docosane (C22)

R.T.: 13.610 min
Delta R.T.: -0.017 min
Response: 2570532
Conc: 19.61 ug/ml

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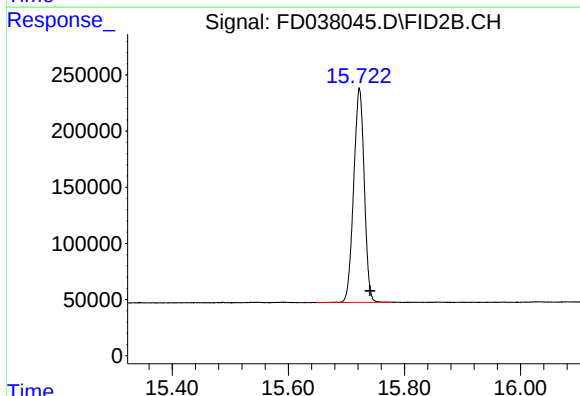
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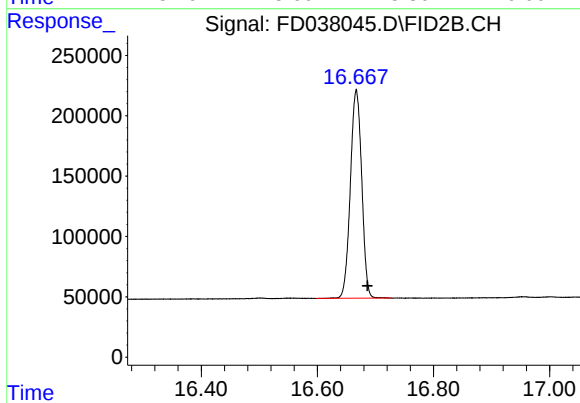
#14 n-Tetracosane (C24)

R.T.: 14.707 min
Delta R.T.: -0.017 min
Response: 2509295
Conc: 19.23 ug/ml



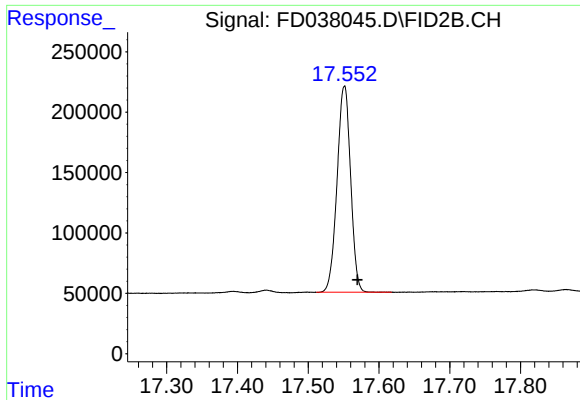
#15 n-Hexacosane (C26)

R.T.: 15.722 min
Delta R.T.: -0.019 min
Response: 2416804
Conc: 19.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.667 min
Delta R.T.: -0.019 min
Response: 2343749
Conc: 18.89 ug/ml



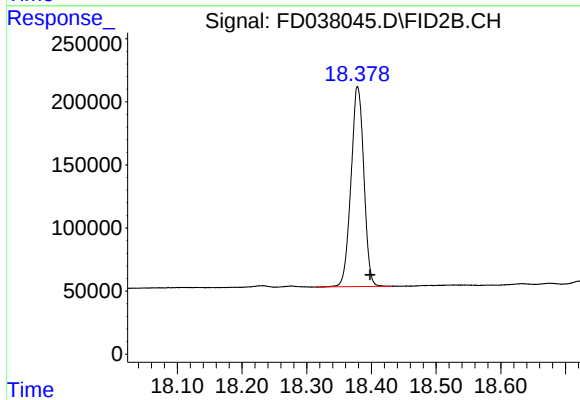
#17 n-Tricontane (C30)

R.T.: 17.551 min
Delta R.T.: -0.019 min
Response: 2268275
Conc: 18.85 ug/ml

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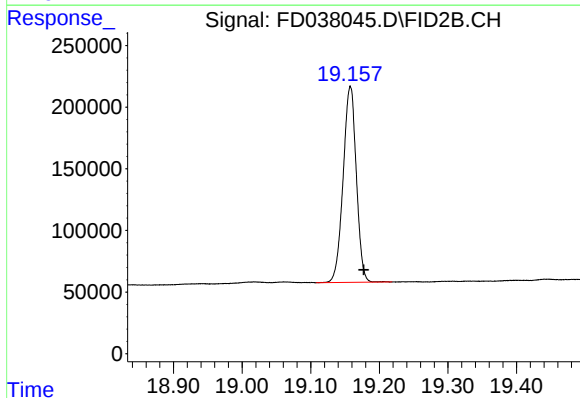
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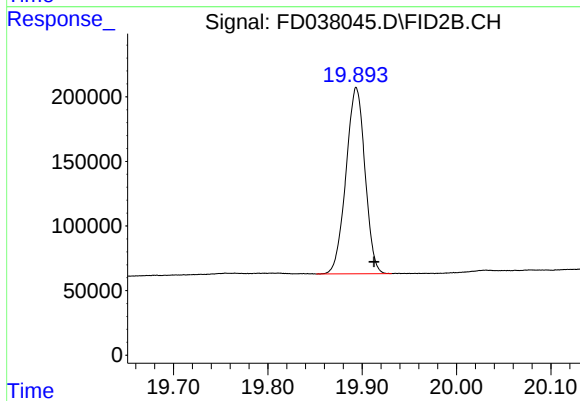
#18 n-Dotriacontane (C32)

R.T.: 18.379 min
Delta R.T.: -0.019 min
Response: 2184735
Conc: 19.09 ug/ml



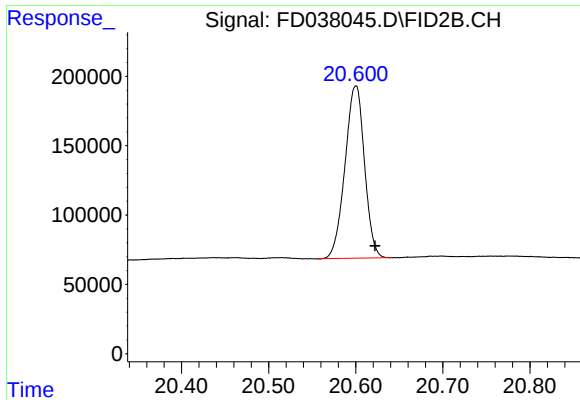
#19 n-Tetratriacontane (C34)

R.T.: 19.158 min
Delta R.T.: -0.020 min
Response: 2122605
Conc: 19.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.894 min
Delta R.T.: -0.019 min
Response: 2011944
Conc: 20.15 ug/ml



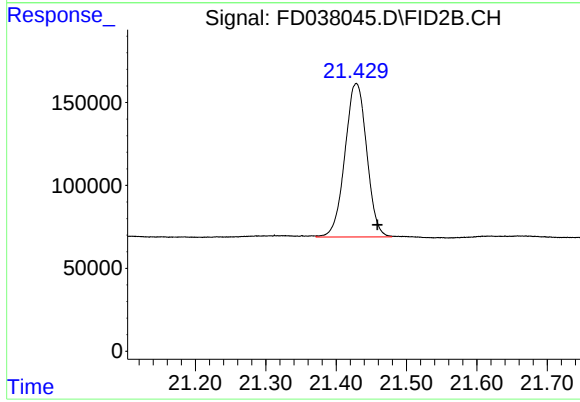
#21 n-Octatriacontane (C38)

R.T.: 20.600 min
Delta R.T.: -0.022 min
Response: 1933563
Conc: 21.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.429 min
Delta R.T.: -0.030 min
Response: 1993918
Conc: 20.96 ug/ml m