

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050222AL\
 Data File : FD042251.D
 Signal(s) : FID2B.CH
 Acq On : 03 May 2022 6:29
 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 05/03/2022
 Supervised By :mohammad ahmed 05/03/2022

Integration File: sample.E
 Quant Time: May 03 06:50:10 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 22 01:55:29 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)	11.226	3697976	22.050 ug/ml
Spiked Amount 50.000		Recovery =	44.10%
12) S 1-chlorooctadecane (S...	12.664	2838363	21.509 ug/ml
Spiked Amount 50.000		Recovery =	43.02%
Target Compounds			
1) T n-Nonane (C9)	3.098	3279604	24.061 ug/ml
2) T n-Decane (C10)	4.142	3311405	24.709 ug/ml
3) T A~Naphthalene (C11.7)	5.692	3497530	24.129 ug/ml
4) T n-Dodecane (C12)	6.136	3414158	23.982 ug/ml
5) T A~2-methylnaphthalene...	6.737	3457968	24.814 ug/mlm
6) T n-Tetradecane (C14)	7.912	3403177	23.891 ug/ml
7) T n-Hexadecane (C16)	9.498	3410807	23.471 ug/ml
8) T n-Octadecane (C18)	10.927	3405470	22.722 ug/ml
10) T n-Eicosane (C20)	12.227	3334646	21.786 ug/ml
11) T n-Heneicosane (C21)	12.834	3307757	21.456 ug/ml
13) T n-Docosane (C22)	13.416	3280436	21.282 ug/ml
14) T n-Tetracosane (C24)	14.511	3224817	20.852 ug/ml
15) T n-Hexacosane (C26)	15.525	3126590	20.327 ug/ml
16) T n-Octacosane (C28)	16.470	3143746	20.562 ug/ml
17) T n-Tricontane (C30)	17.352	3208978	21.394 ug/ml
18) T n-Dotriacontane (C32)	18.179	3110975	22.001 ug/ml
19) T n-Tetratriacontane (C34)	18.957	2823525	21.940 ug/ml
20) T n-Hexatriacontane (C36)	19.694	2500162	22.094 ug/ml
21) T n-Octatriacontane (C38)	20.389	2300602	23.058 ug/mlm
22) T n-Tetracontane (C40)	21.168	2173133	24.093 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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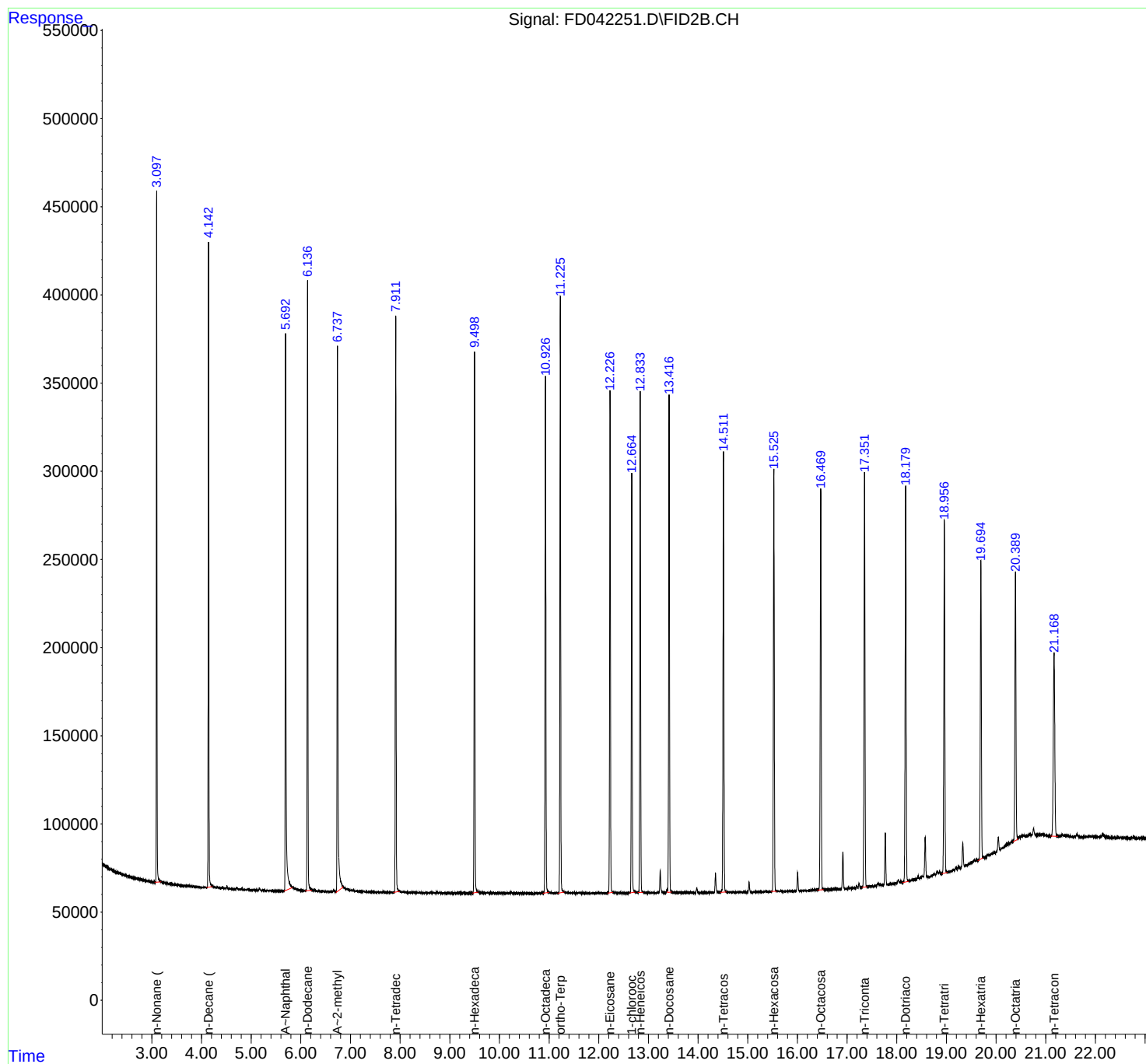
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20 PPM ALIPHATIC HC STD

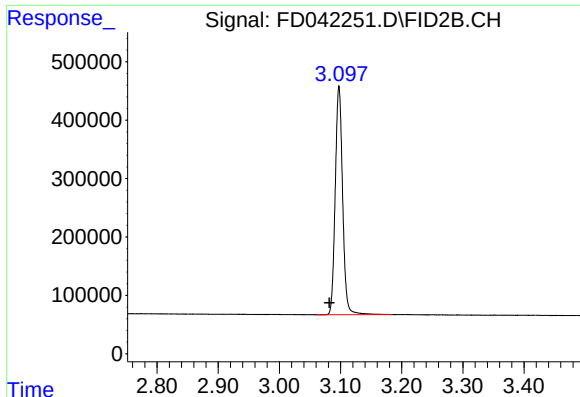
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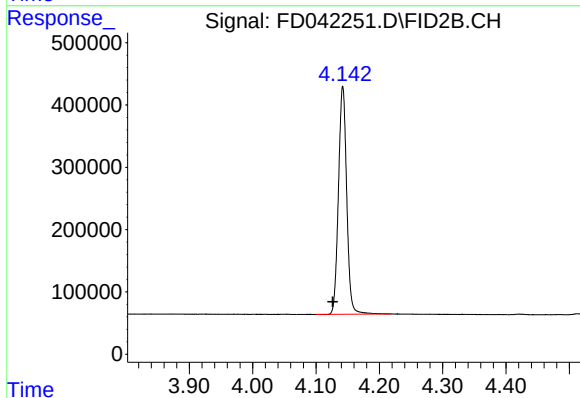
#1 n-Nonane (C9)

R.T.: 3.098 min
Delta R.T.: 0.016 min
Response: 3279604
Conc: 24.06 ug/ml

Instrument :
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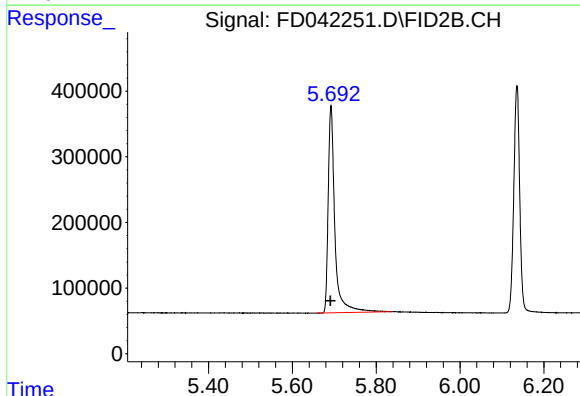
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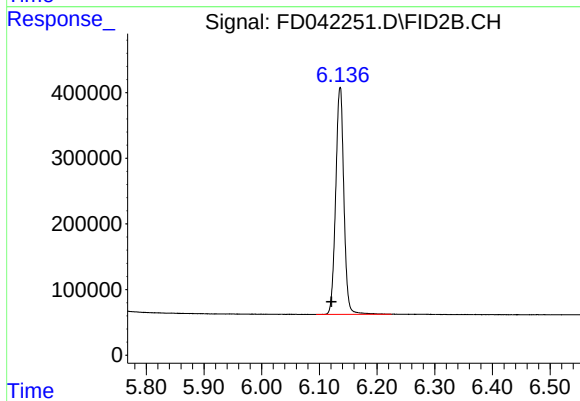
#2 n-Decane (C10)

R.T.: 4.142 min
Delta R.T.: 0.016 min
Response: 3311405
Conc: 24.71 ug/ml



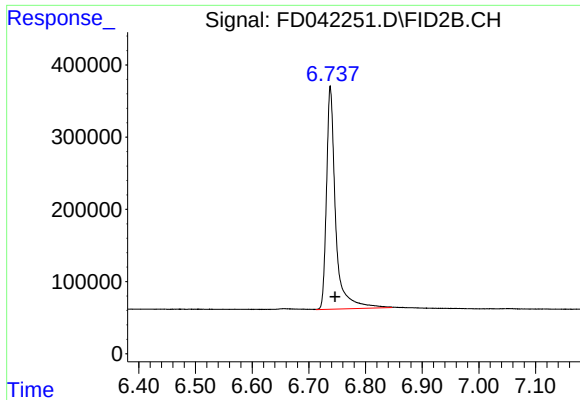
#3 A~Naphthalene (C11.7)

R.T.: 5.692 min
Delta R.T.: 0.001 min
Response: 3497530
Conc: 24.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.136 min
Delta R.T.: 0.015 min
Response: 3414158
Conc: 23.98 ug/ml



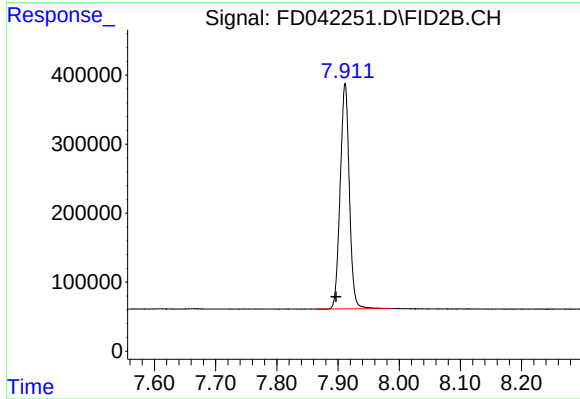
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.737 min
Delta R.T.: -0.009 min
Response: 3457968
Conc: 24.81 ug/ml

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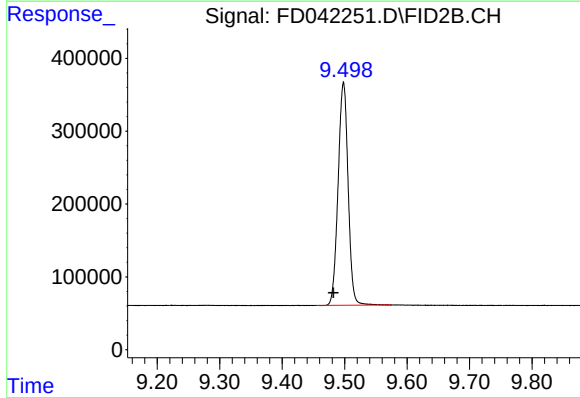
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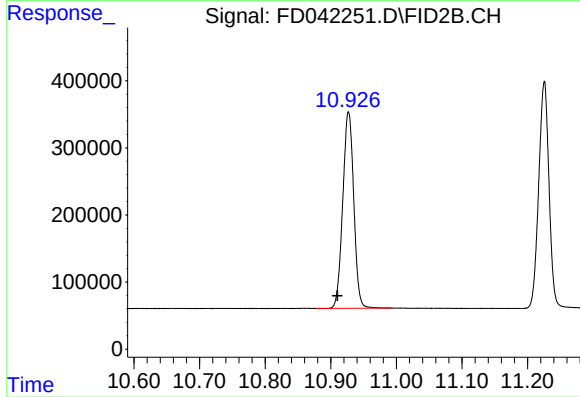
#6 n-Tetradecane (C14)

R.T.: 7.912 min
Delta R.T.: 0.015 min
Response: 3403177
Conc: 23.89 ug/ml



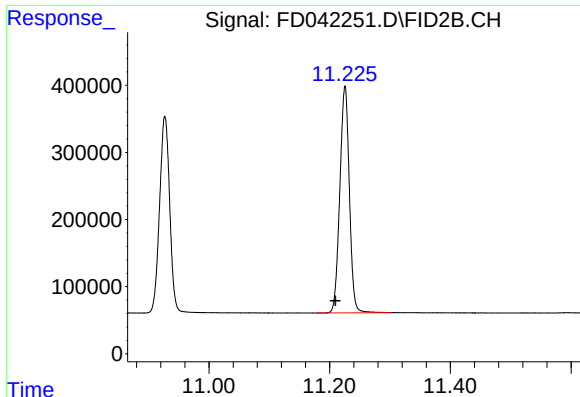
#7 n-Hexadecane (C16)

R.T.: 9.498 min
Delta R.T.: 0.016 min
Response: 3410807
Conc: 23.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.927 min
Delta R.T.: 0.017 min
Response: 3405470
Conc: 22.72 ug/ml



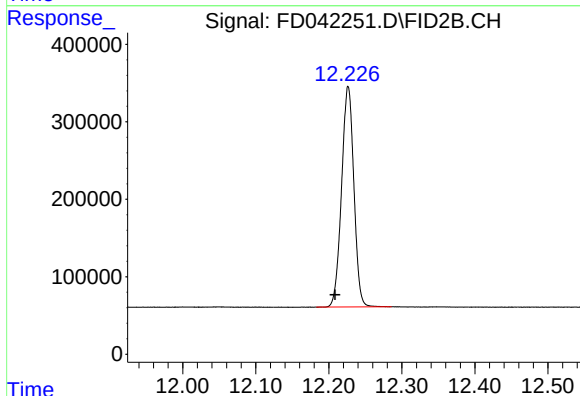
#9 ortho-Terphenyl (SURR)

R.T.: 11.226 min
Delta R.T.: 0.016 min
Response: 3697976
Conc: 22.05 ug/ml

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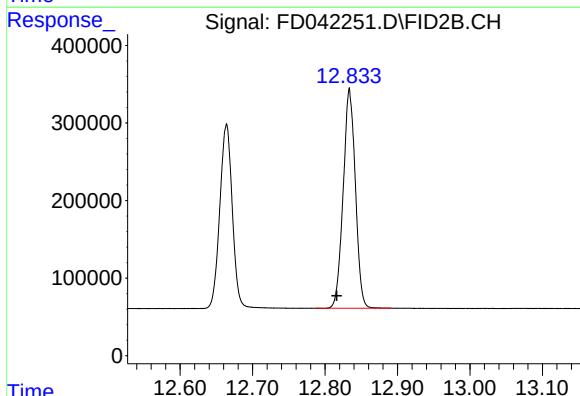
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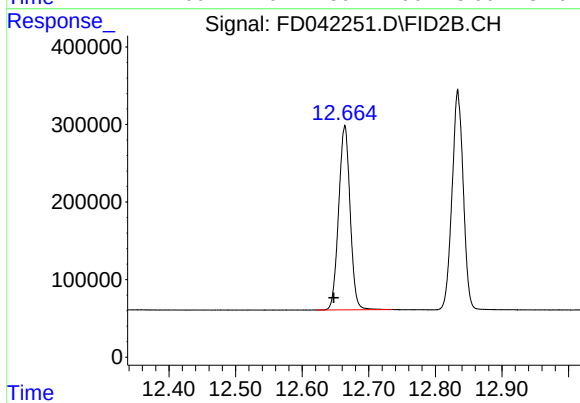
#10 n-Eicosane (C20)

R.T.: 12.227 min
Delta R.T.: 0.018 min
Response: 3334646
Conc: 21.79 ug/ml



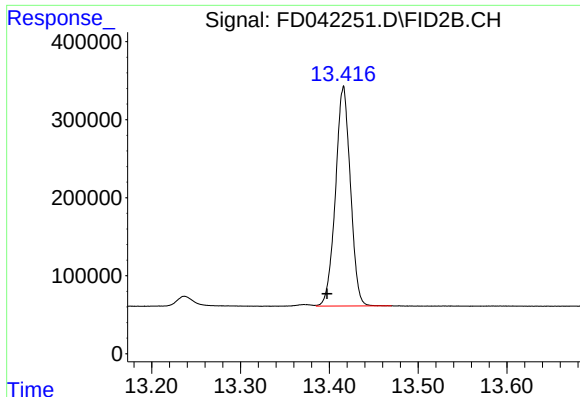
#11 n-Heneicosane (C21)

R.T.: 12.834 min
Delta R.T.: 0.017 min
Response: 3307757
Conc: 21.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.664 min
Delta R.T.: 0.017 min
Response: 2838363
Conc: 21.51 ug/ml



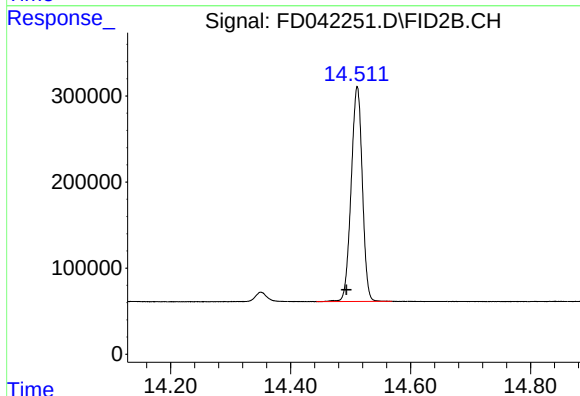
#13 n-Docosane (C22)

R.T.: 13.416 min
Delta R.T.: 0.018 min
Response: 3280436
Conc: 21.28 ug/ml

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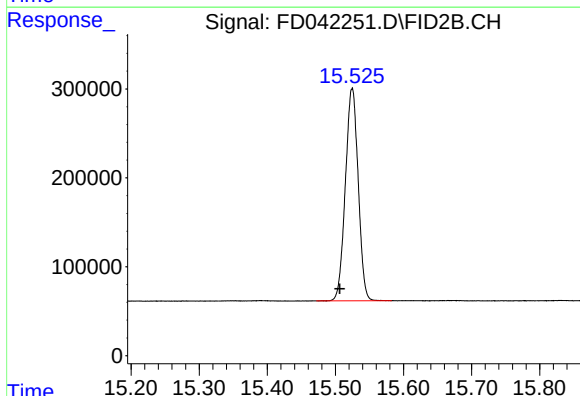
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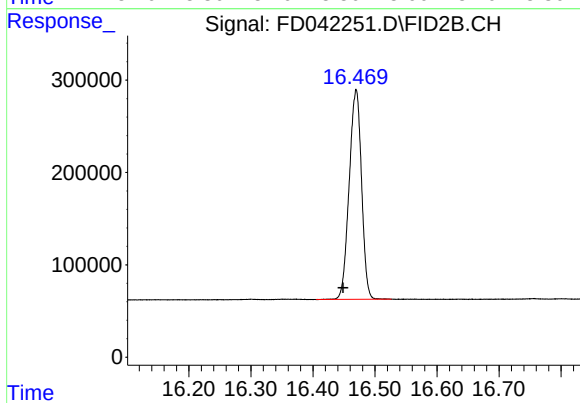
#14 n-Tetracosane (C24)

R.T.: 14.511 min
Delta R.T.: 0.018 min
Response: 3224817
Conc: 20.85 ug/ml



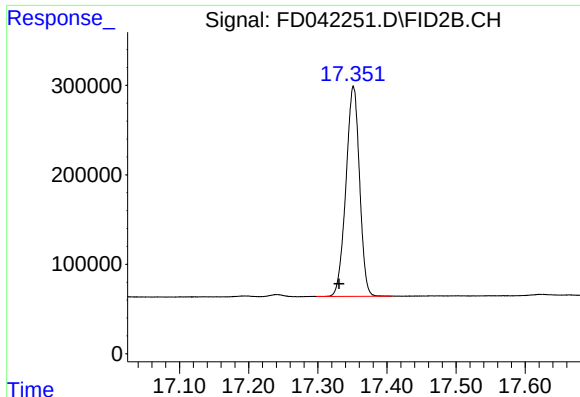
#15 n-Hexacosane (C26)

R.T.: 15.525 min
Delta R.T.: 0.018 min
Response: 3126590
Conc: 20.33 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.470 min
Delta R.T.: 0.021 min
Response: 3143746
Conc: 20.56 ug/ml



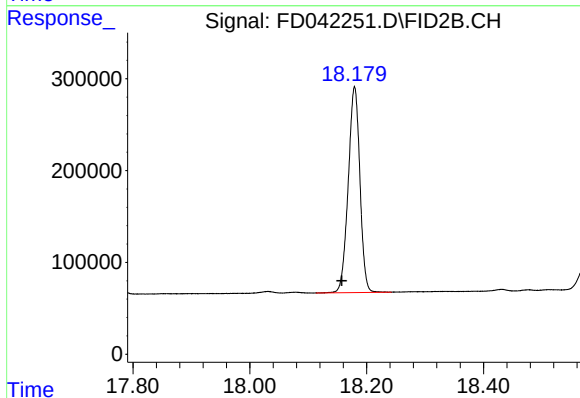
#17 n-Tricontane (C30)

R.T.: 17.352 min
Delta R.T.: 0.021 min
Response: 3208978
Conc: 21.39 ug/ml

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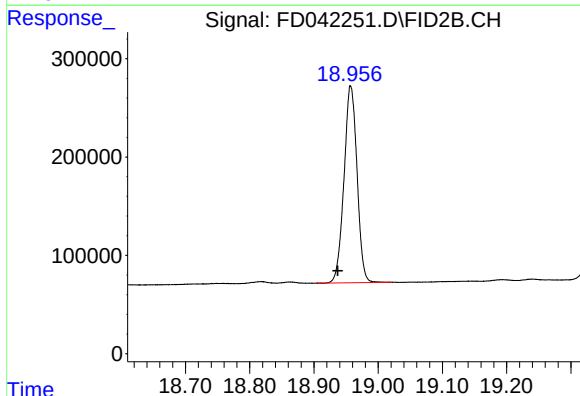
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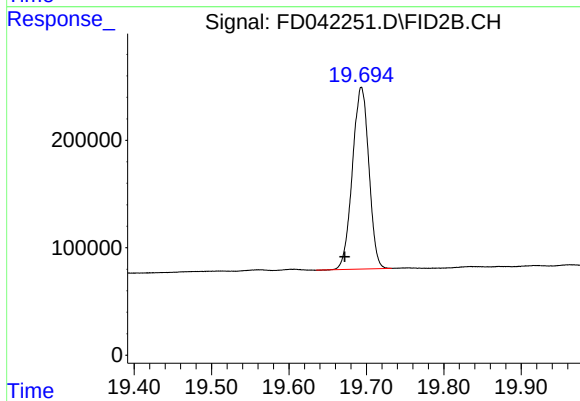
#18 n-Dotriacontane (C32)

R.T.: 18.179 min
Delta R.T.: 0.022 min
Response: 3110975
Conc: 22.00 ug/ml



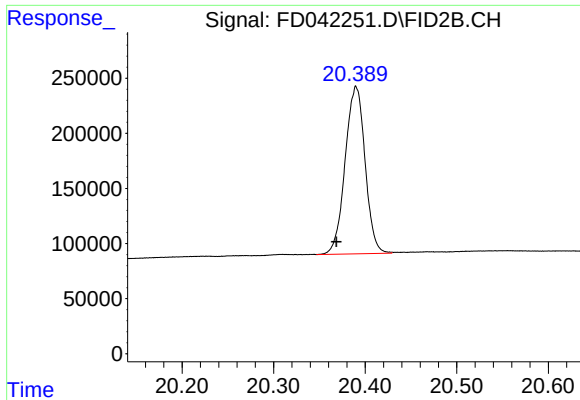
#19 n-Tetratriacontane (C34)

R.T.: 18.957 min
Delta R.T.: 0.020 min
Response: 2823525
Conc: 21.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.694 min
Delta R.T.: 0.022 min
Response: 2500162
Conc: 22.09 ug/ml



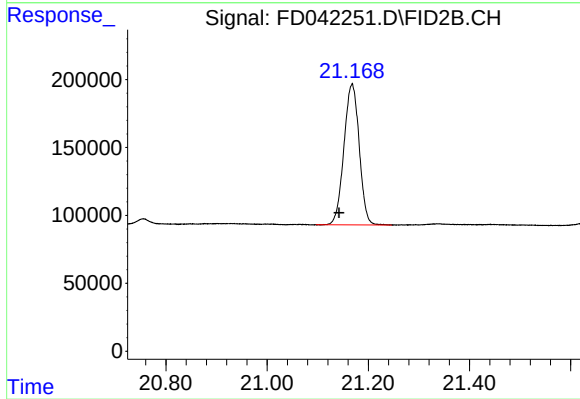
#21 n-Octatriacontane (C38)

R.T.: 20.389 min
Delta R.T.: 0.021 min
Response: 2300602
Conc: 23.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.168 min
Delta R.T.: 0.026 min
Response: 2173133
Conc: 24.09 ug/ml