

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041922AL\
 Data File : FD042007.D
 Signal(s) : FID2B.CH
 Acq On : 20 Apr 2022 00:57
 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 04/20/2022
 Supervised By :mohammad ahmed 04/20/2022

Integration File: sample.E
 Quant Time: Apr 20 01:37:23 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 032222.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 23 05:05:55 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)	11.212	3374756	19.030 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	12.651	2595662	18.745 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
Target Compounds			
1) T n-Nonane (C9)	3.081	3144948	21.379 ug/ml
2) T n-Decane (C10)	4.126	3174917	21.743 ug/ml
3) T A~Naphthalene (C11.7)	5.677	3349858	21.445 ug/ml
4) T n-Dodecane (C12)	6.121	3276237	21.750 ug/ml
5) T A~2-methylnaphthalene...	6.723	3338088	21.460 ug/ml
6) T n-Tetradecane (C14)	7.898	3269489	21.464 ug/ml
7) T n-Hexadecane (C16)	9.485	3263987	21.168 ug/ml
8) T n-Octadecane (C18)	10.915	3197527	20.295 ug/ml
10) T n-Eicosane (C20)	12.214	3072150	19.420 ug/ml
11) T n-Heneicosane (C21)	12.822	3021901	18.871 ug/ml
13) T n-Docosane (C22)	13.404	2968193	18.481 ug/ml
14) T n-Tetracosane (C24)	14.500	2860721	17.697 ug/mlm
15) T n-Hexacosane (C26)	15.514	2807973	17.385 ug/ml
16) T n-Octacosane (C28)	16.458	2805489	17.429 ug/ml
17) T n-Tricontane (C30)	17.341	2855490	18.120 ug/ml
18) T n-Dotriacontane (C32)	18.167	2795019	18.835 ug/ml
19) T n-Tetratriacontane (C34)	18.946	2585235	19.295 ug/mlm
20) T n-Hexatriacontane (C36)	19.682	2407337	20.104 ug/mlm
21) T n-Octatriacontane (C38)	20.380	2360627	21.328 ug/mlm
22) T n-Tetracontane (C40)	21.150	2218282	20.604 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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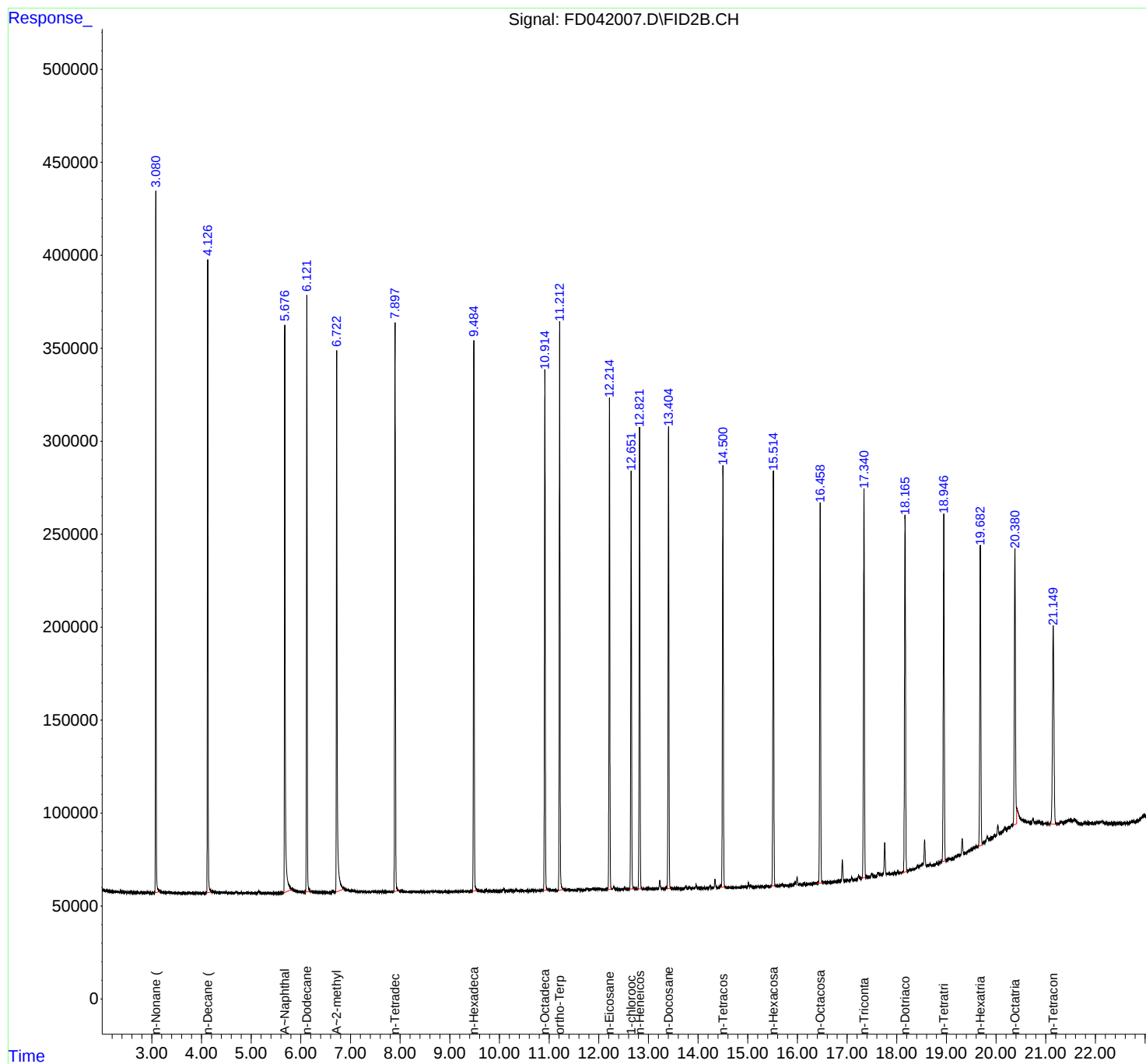
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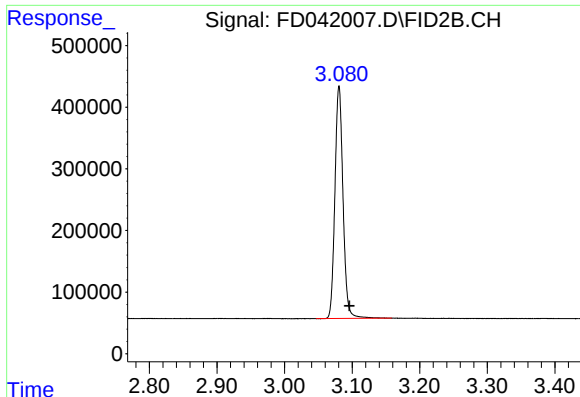
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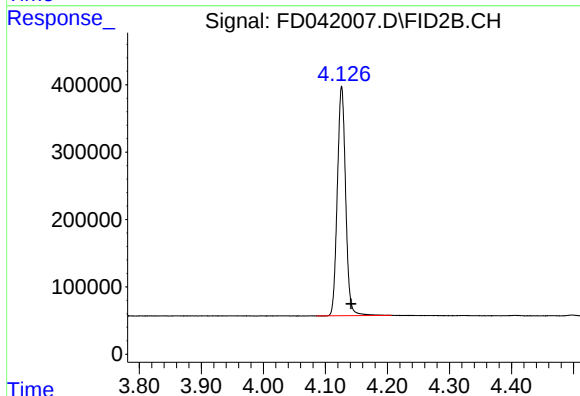
#1 n-Nonane (C9)

R.T.: 3.081 min
Delta R.T.: -0.015 min
Response: 3144948
Conc: 21.38 ug/ml

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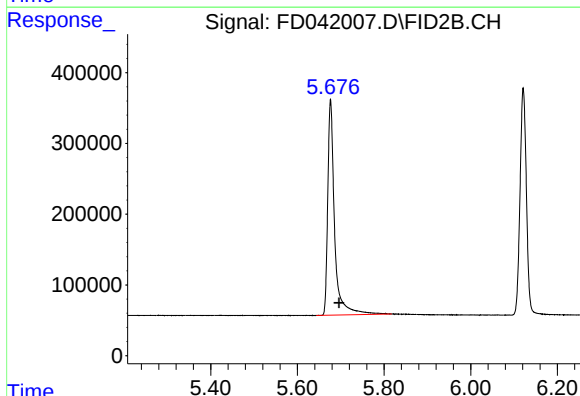
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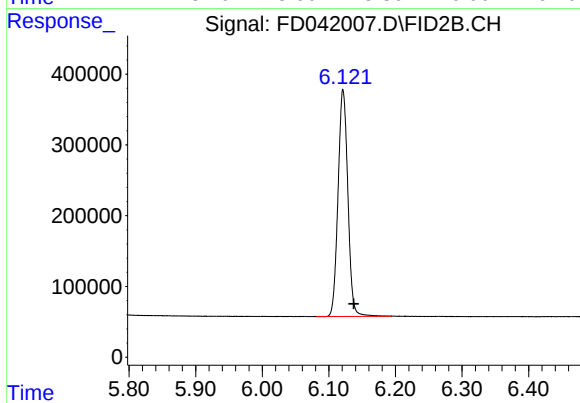
#2 n-Decane (C10)

R.T.: 4.126 min
Delta R.T.: -0.015 min
Response: 3174917
Conc: 21.74 ug/ml



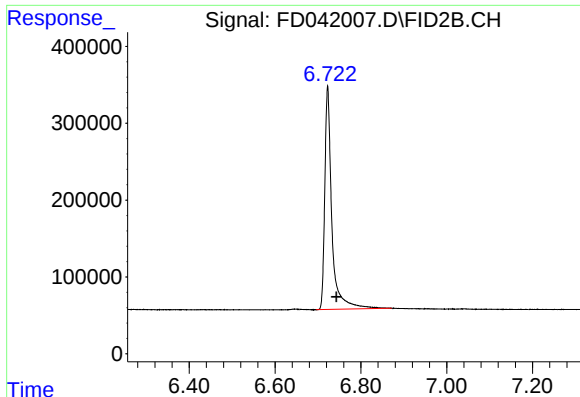
#3 A~Naphthalene (C11.7)

R.T.: 5.677 min
Delta R.T.: -0.020 min
Response: 3349858
Conc: 21.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.121 min
Delta R.T.: -0.016 min
Response: 3276237
Conc: 21.75 ug/ml



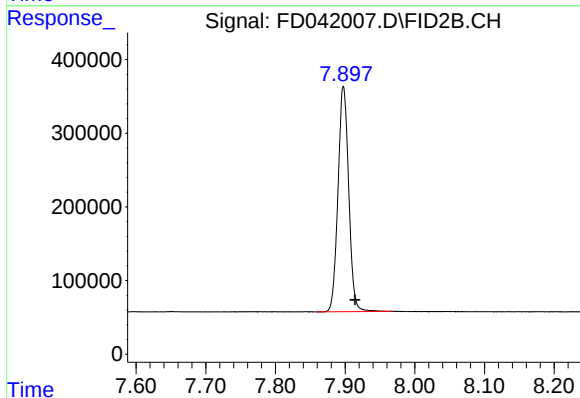
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.723 min
Delta R.T.: -0.021 min
Response: 3338088
Conc: 21.46 ug/ml

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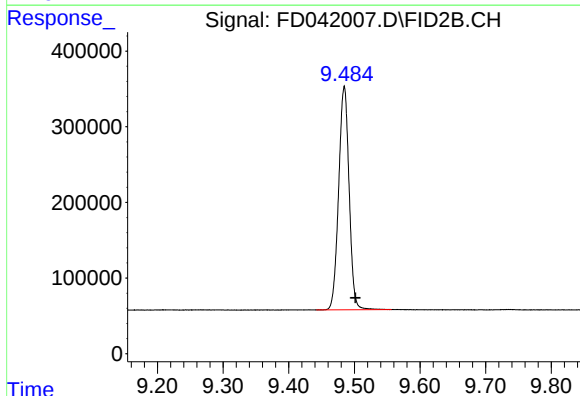
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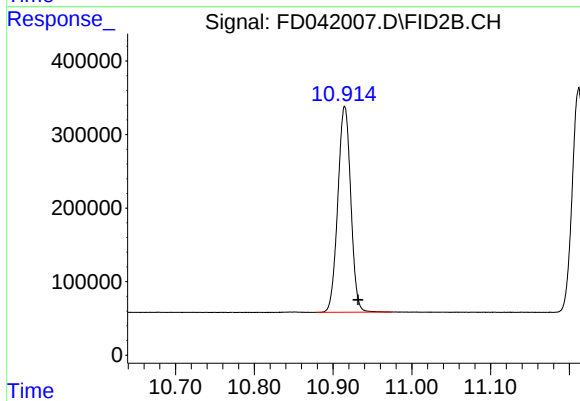
#6 n-Tetradecane (C14)

R.T.: 7.898 min
Delta R.T.: -0.017 min
Response: 3269489
Conc: 21.46 ug/ml



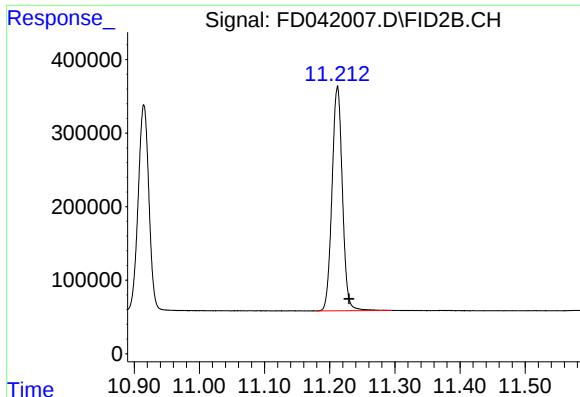
#7 n-Hexadecane (C16)

R.T.: 9.485 min
Delta R.T.: -0.017 min
Response: 3263987
Conc: 21.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.915 min
Delta R.T.: -0.017 min
Response: 3197527
Conc: 20.29 ug/ml



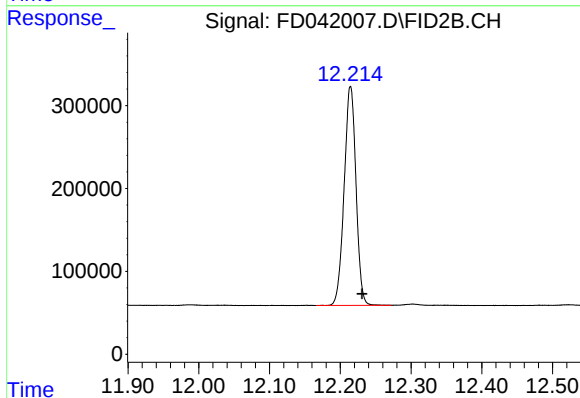
#9 ortho-Terphenyl (SURR)

R.T.: 11.212 min
Delta R.T.: -0.018 min
Response: 3374756
Conc: 19.03 ug/ml

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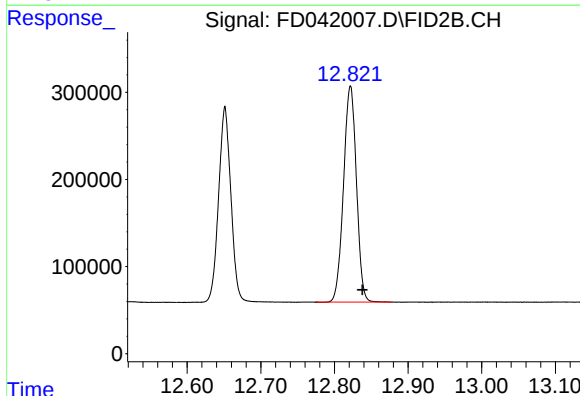
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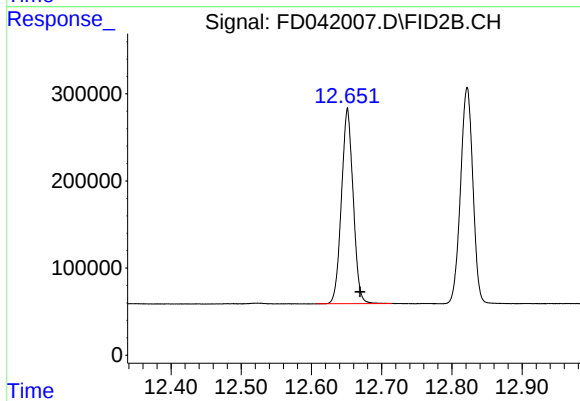
#10 n-Eicosane (C20)

R.T.: 12.214 min
Delta R.T.: -0.016 min
Response: 3072150
Conc: 19.42 ug/ml



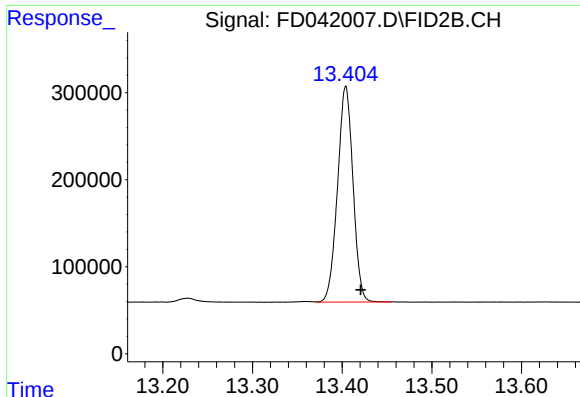
#11 n-Heneicosane (C21)

R.T.: 12.822 min
Delta R.T.: -0.016 min
Response: 3021901
Conc: 18.87 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.651 min
Delta R.T.: -0.018 min
Response: 2595662
Conc: 18.75 ug/ml



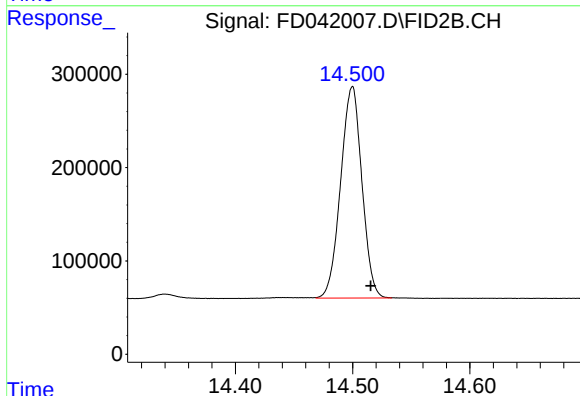
#13 n-Docosane (C22)

R.T.: 13.404 min
Delta R.T.: -0.017 min
Response: 2968193
Conc: 18.48 ug/ml

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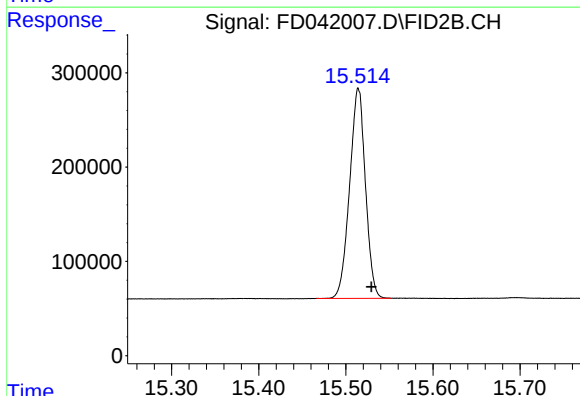
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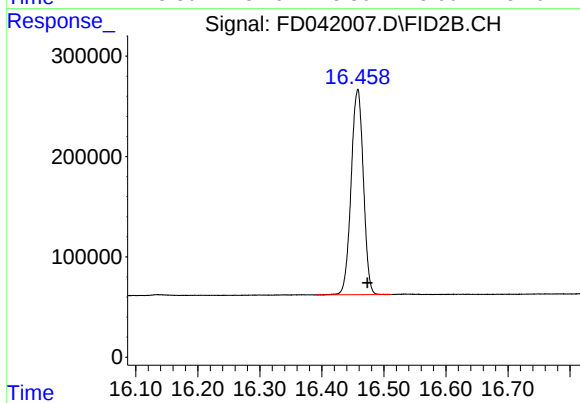
#14 n-Tetracosane (C24)

R.T.: 14.500 min
Delta R.T.: -0.016 min
Response: 2860721
Conc: 17.70 ug/ml m



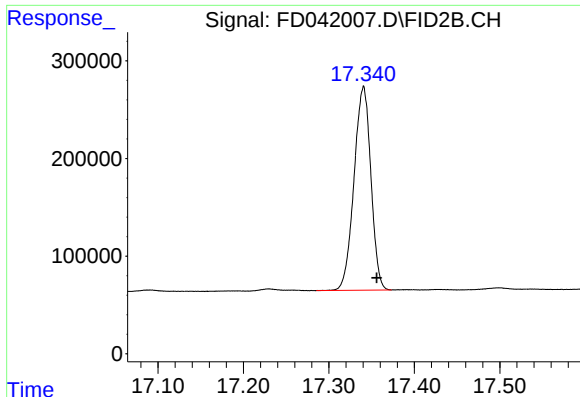
#15 n-Hexacosane (C26)

R.T.: 15.514 min
Delta R.T.: -0.015 min
Response: 2807973
Conc: 17.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.458 min
Delta R.T.: -0.016 min
Response: 2805489
Conc: 17.43 ug/ml



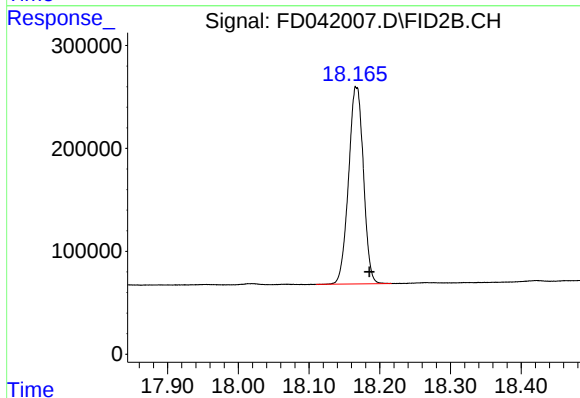
#17 n-Tricontane (C30)

R.T.: 17.341 min
Delta R.T.: -0.015 min
Response: 2855490
Conc: 18.12 ug/ml

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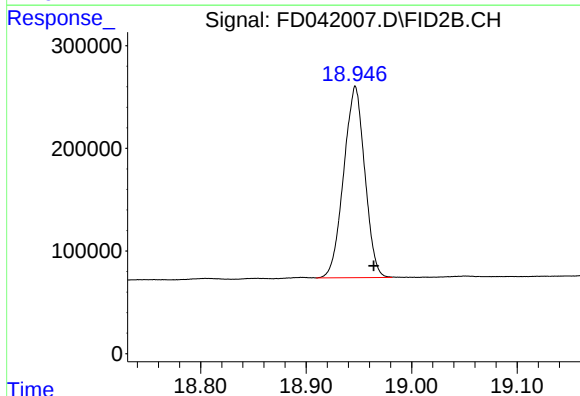
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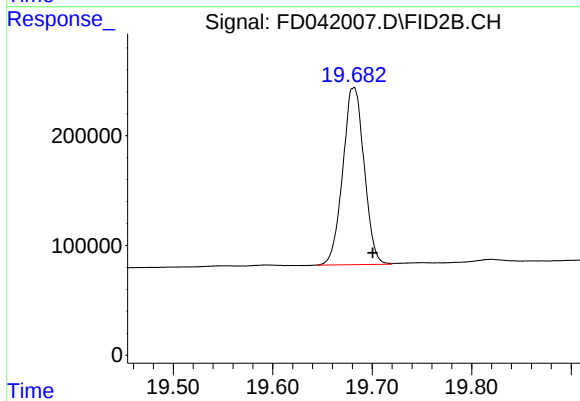
#18 n-Dotriacontane (C32)

R.T.: 18.167 min
Delta R.T.: -0.018 min
Response: 2795019
Conc: 18.84 ug/ml



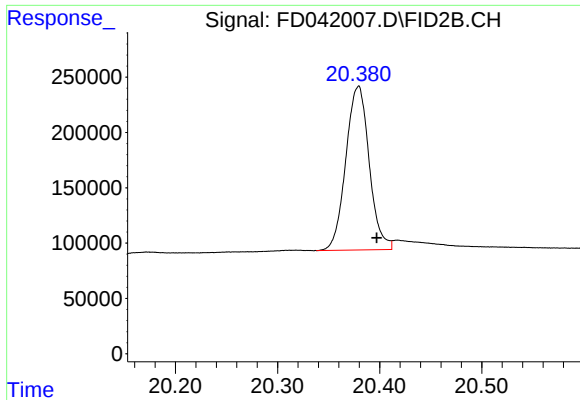
#19 n-Tetratriacontane (C34)

R.T.: 18.946 min
Delta R.T.: -0.018 min
Response: 2585235
Conc: 19.29 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.682 min
Delta R.T.: -0.019 min
Response: 2407337
Conc: 20.10 ug/ml m



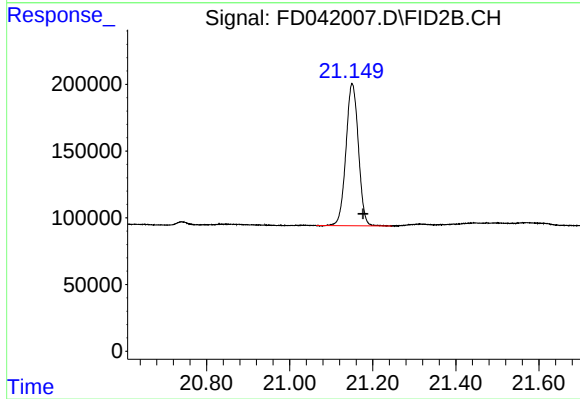
#21 n-Octatriacontane (C38)

R.T.: 20.380 min
Delta R.T.: -0.017 min
Response: 2360627
Conc: 21.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.150 min
Delta R.T.: -0.027 min
Response: 2218282
Conc: 20.60 ug/ml