

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041122AL\
 Data File : FD041941.D
 Signal(s) : FID2B.CH
 Acq On : 11 Apr 2022 20:53
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/12/2022
 Supervised By :mohammad ahmed 04/13/2022

Integration File: autoint1.e
 Quant Time: Apr 12 02:39:44 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)	11.218	3638944	20.520 ug/ml
Spiked Amount 50.000		Recovery =	41.04%
12) S 1-chlorooctadecane (S...	12.657	2832825	20.458 ug/ml
Spiked Amount 50.000		Recovery =	40.92%
Target Compounds			
1) T n-Nonane (C9)	3.085	3299906	22.433 ug/ml
2) T n-Decane (C10)	4.131	3290548	22.535 ug/ml
3) T A~Naphthalene (C11.7)	5.682	3549125	22.721 ug/ml
4) T n-Dodecane (C12)	6.126	3400921	22.577 ug/ml
5) T A~2-methylnaphthalene...	6.728	3559722	22.884 ug/ml
6) T n-Tetradecane (C14)	7.903	3424679	22.483 ug/ml
7) T n-Hexadecane (C16)	9.490	3437363	22.293 ug/ml
8) T n-Octadecane (C18)	10.921	3438218	21.823 ug/ml
10) T n-Eicosane (C20)	12.220	3321909	20.999 ug/ml
11) T n-Heneicosane (C21)	12.827	3281235	20.490 ug/ml
13) T n-Docosane (C22)	13.409	3215982	20.024 ug/ml
14) T n-Tetracosane (C24)	14.505	3075875	19.028 ug/ml
15) T n-Hexacosane (C26)	15.520	2932247	18.155 ug/ml
16) T n-Octacosane (C28)	16.463	2835191	17.613 ug/ml
17) T n-Tricontane (C30)	17.346	2737047	17.368 ug/ml
18) T n-Dotriacontane (C32)	18.172	2662626	17.943 ug/mlm
19) T n-Tetratriacontane (C34)	18.951	2476230	18.481 ug/mlm
20) T n-Hexatriacontane (C36)	19.688	2488858	20.785 ug/mlm
21) T n-Octatriacontane (C38)	20.386	2286049	20.655 ug/mlm
22) T n-Tetracontane (C40)	21.160	2387604	22.177 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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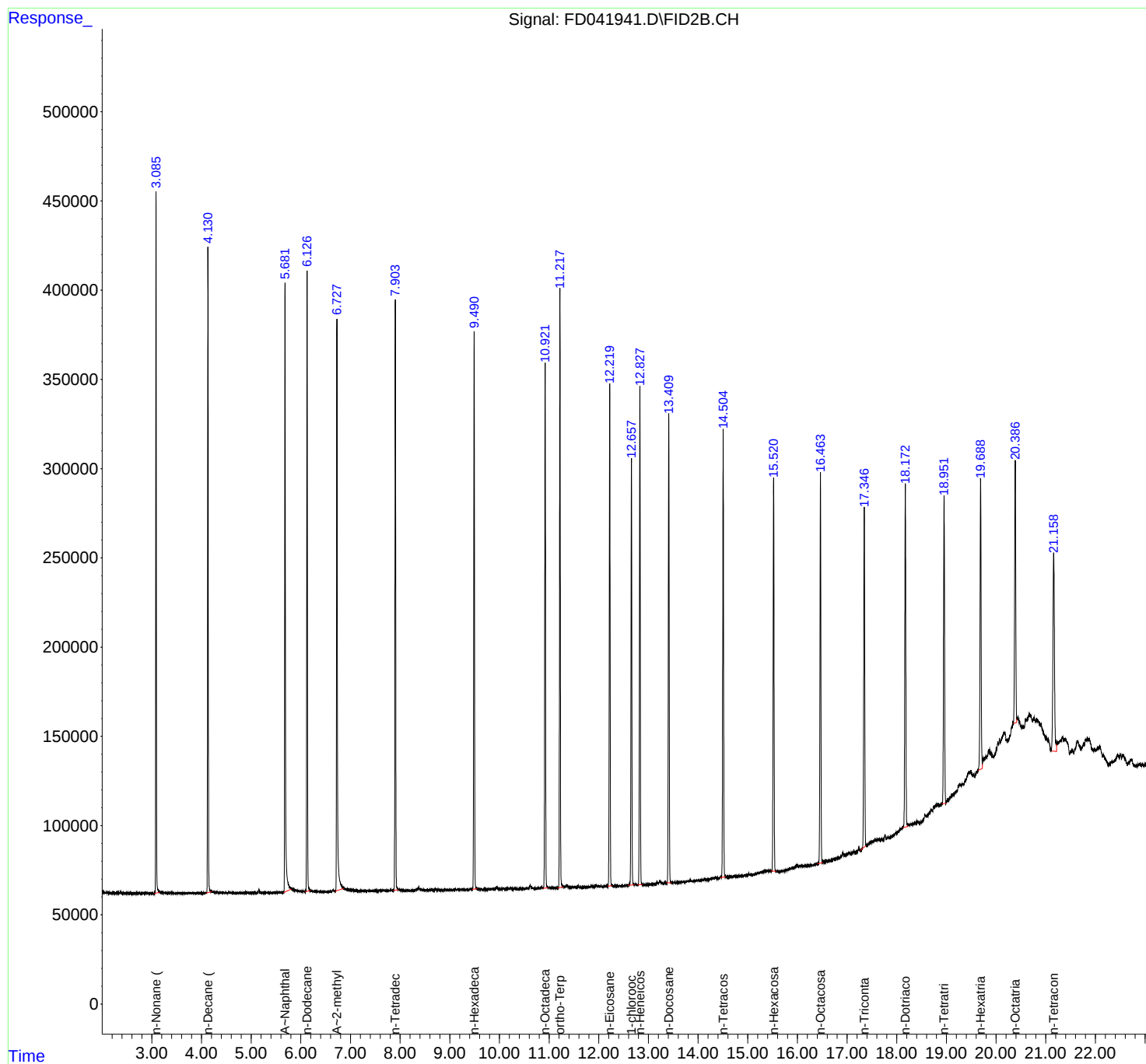
Instrument :
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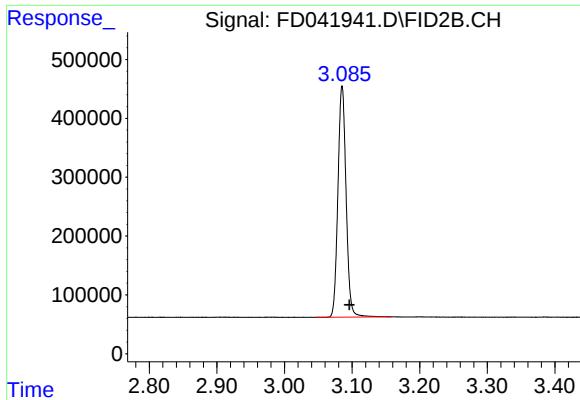
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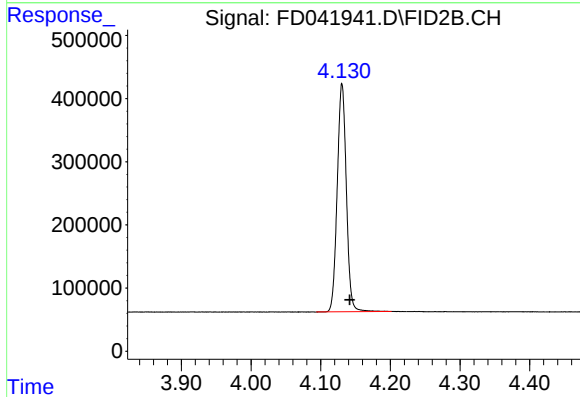
#1 n-Nonane (C9)

R.T.: 3.085 min
Delta R.T.: -0.011 min
Response: 3299906
Conc: 22.43 ug/ml

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20 PPM ALIPHATIC HC STD

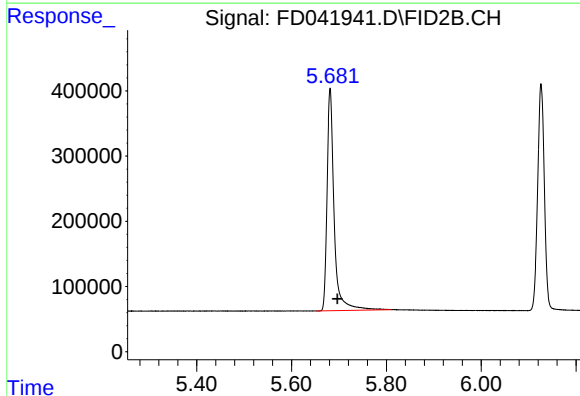
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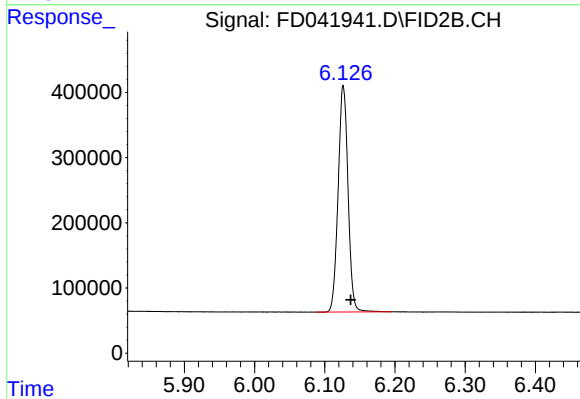
#2 n-Decane (C10)

R.T.: 4.131 min
Delta R.T.: -0.011 min
Response: 3290548
Conc: 22.53 ug/ml



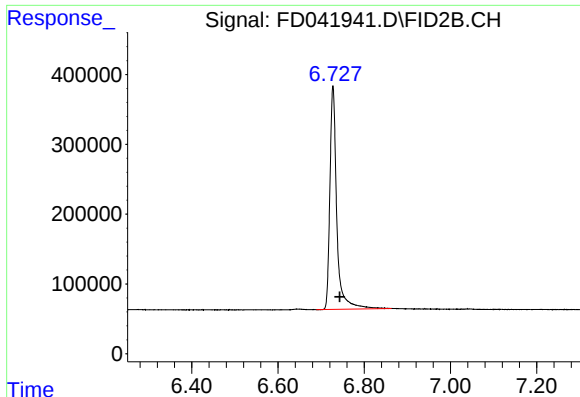
#3 A~Naphthalene (C11.7)

R.T.: 5.682 min
Delta R.T.: -0.015 min
Response: 3549125
Conc: 22.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.126 min
Delta R.T.: -0.011 min
Response: 3400921
Conc: 22.58 ug/ml



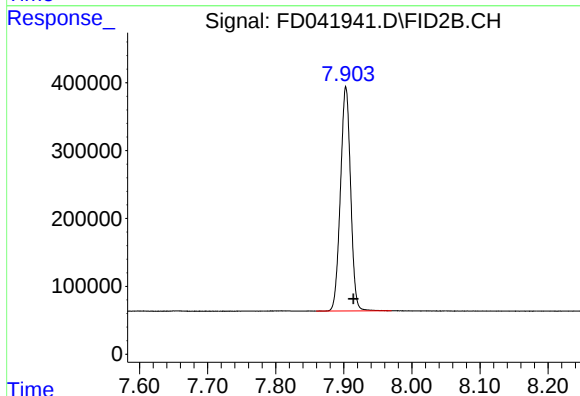
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.728 min
Delta R.T.: -0.016 min
Response: 3559722
Conc: 22.88 ug/ml

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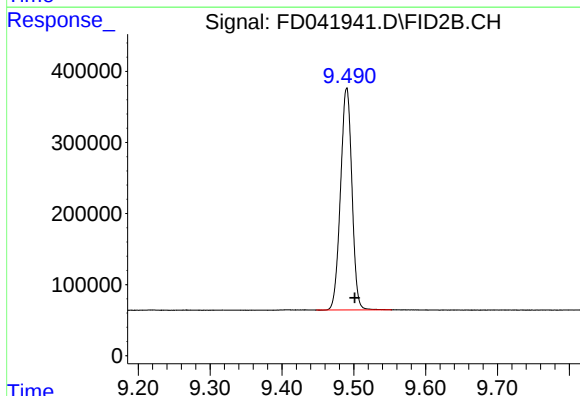
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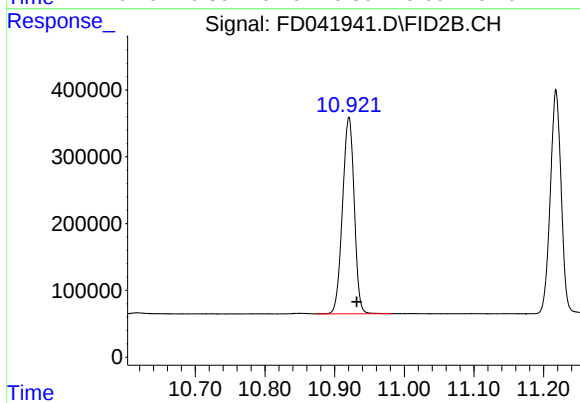
#6 n-Tetradecane (C14)

R.T.: 7.903 min
Delta R.T.: -0.011 min
Response: 3424679
Conc: 22.48 ug/ml



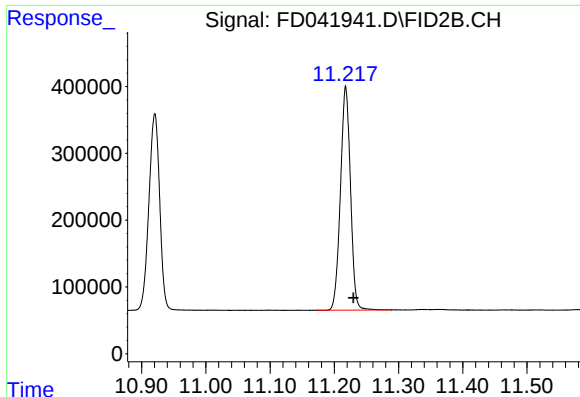
#7 n-Hexadecane (C16)

R.T.: 9.490 min
Delta R.T.: -0.011 min
Response: 3437363
Conc: 22.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.921 min
Delta R.T.: -0.011 min
Response: 3438218
Conc: 21.82 ug/ml



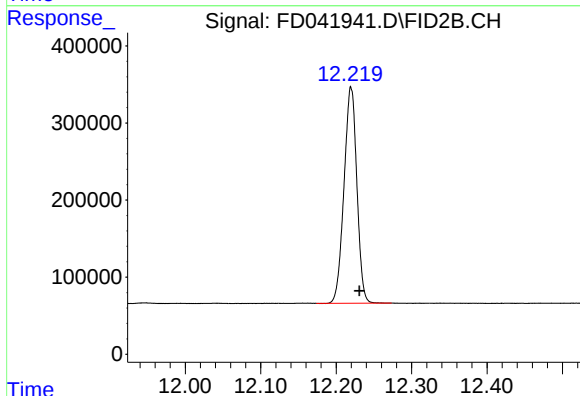
#9 ortho-Terphenyl (SURR)

R.T.: 11.218 min
Delta R.T.: -0.012 min
Response: 3638944
Conc: 20.52 ug/ml

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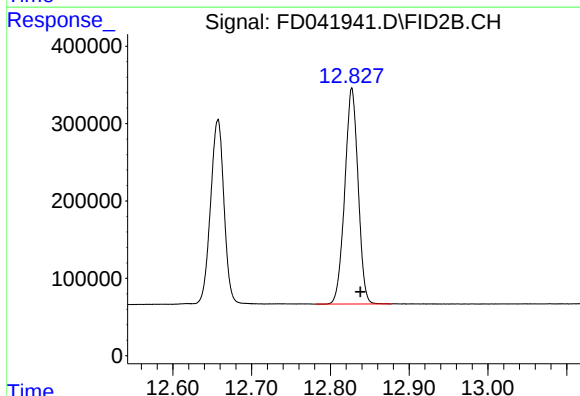
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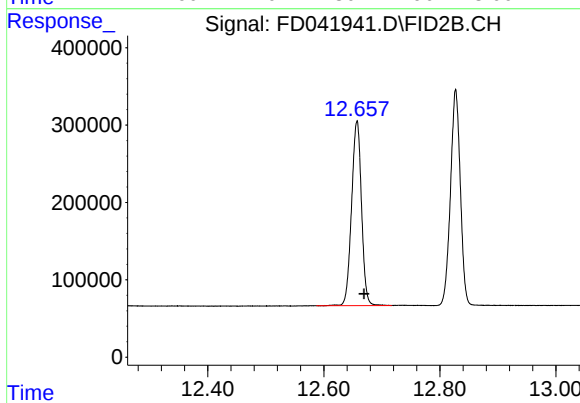
#10 n-Eicosane (C20)

R.T.: 12.220 min
Delta R.T.: -0.011 min
Response: 3321909
Conc: 21.00 ug/ml



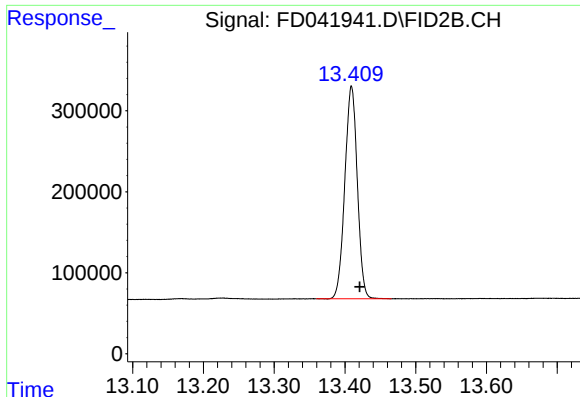
#11 n-Heneicosane (C21)

R.T.: 12.827 min
Delta R.T.: -0.011 min
Response: 3281235
Conc: 20.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.657 min
Delta R.T.: -0.012 min
Response: 2832825
Conc: 20.46 ug/ml



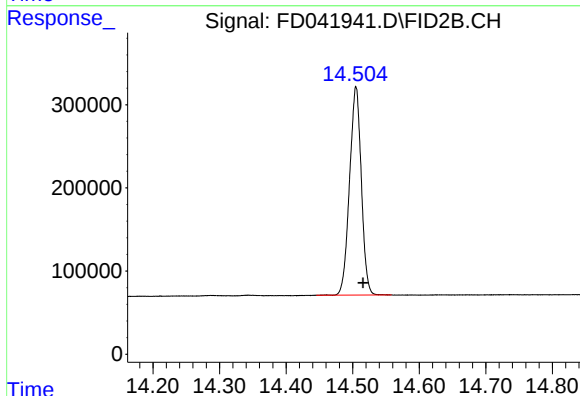
#13 n-Docosane (C22)

R.T.: 13.409 min
Delta R.T.: -0.011 min
Response: 3215982
Conc: 20.02 ug/ml

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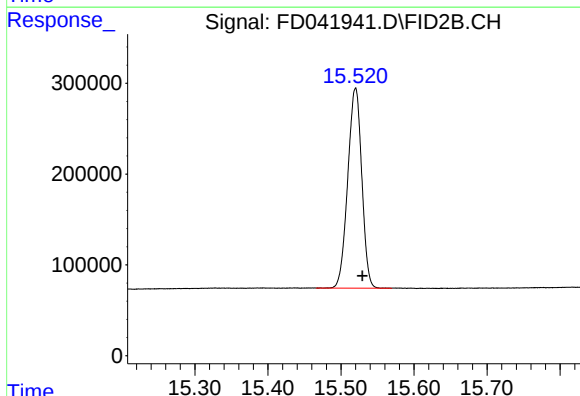
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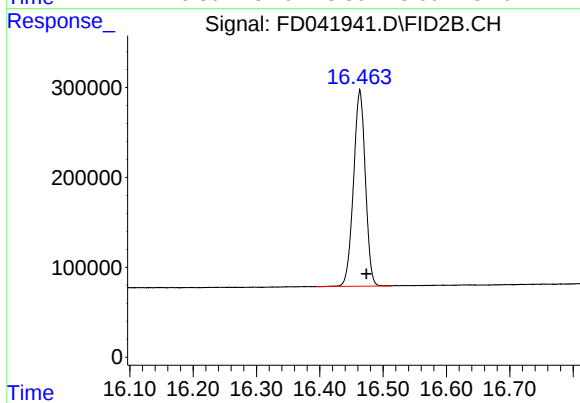
#14 n-Tetracosane (C24)

R.T.: 14.505 min
Delta R.T.: -0.010 min
Response: 3075875
Conc: 19.03 ug/ml



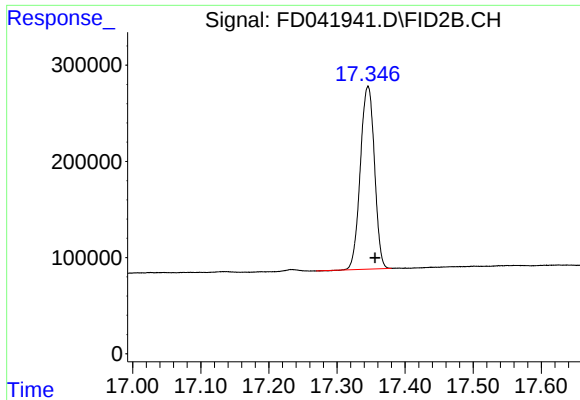
#15 n-Hexacosane (C26)

R.T.: 15.520 min
Delta R.T.: -0.009 min
Response: 2932247
Conc: 18.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.463 min
Delta R.T.: -0.010 min
Response: 2835191
Conc: 17.61 ug/ml



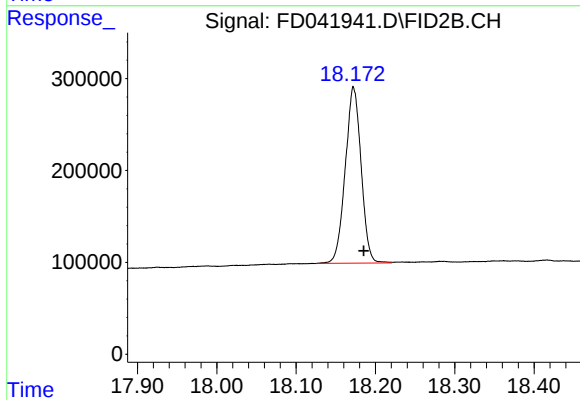
#17 n-Tricontane (C30)

R.T.: 17.346 min
Delta R.T.: -0.010 min
Response: 2737047
Conc: 17.37 ug/ml

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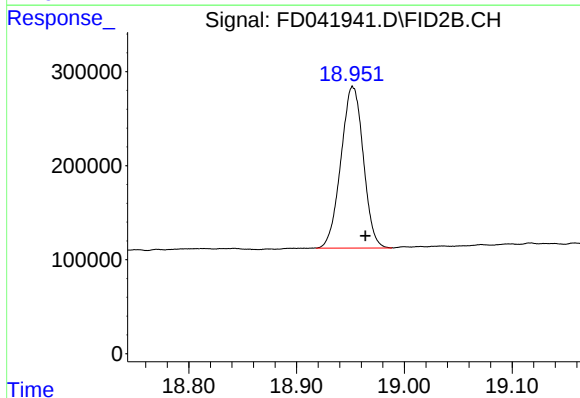
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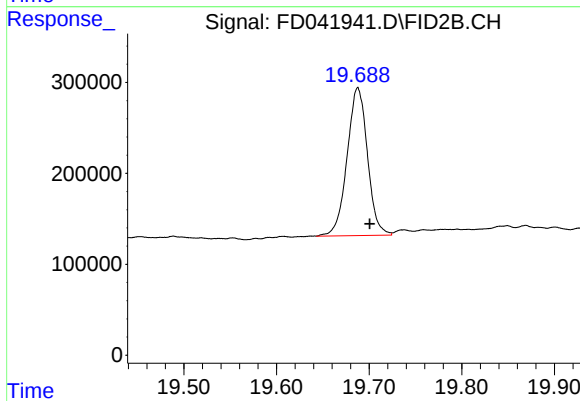
#18 n-Dotriacontane (C32)

R.T.: 18.172 min
Delta R.T.: -0.014 min
Response: 2662626
Conc: 17.94 ug/ml m



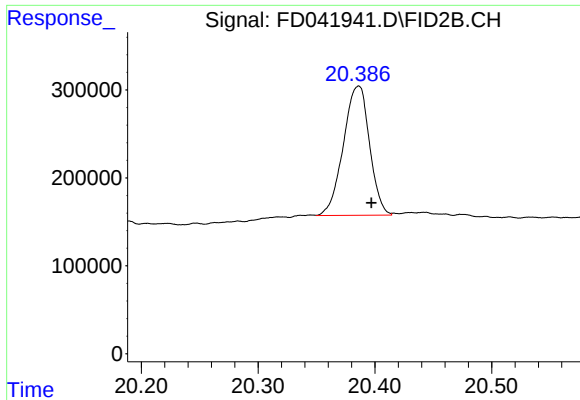
#19 n-Tetratriacontane (C34)

R.T.: 18.951 min
Delta R.T.: -0.013 min
Response: 2476230
Conc: 18.48 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.688 min
Delta R.T.: -0.013 min
Response: 2488858
Conc: 20.79 ug/ml m



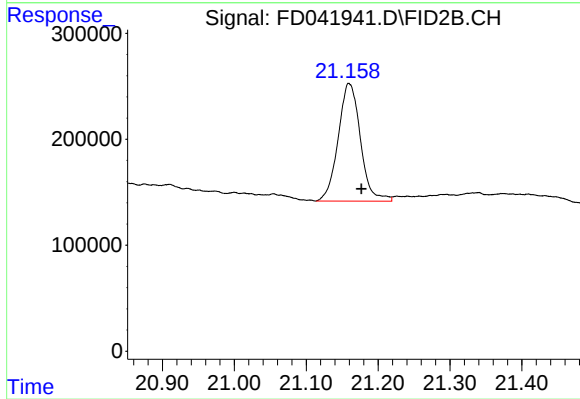
#21 n-Octatriacontane (C38)

R.T.: 20.386 min
Delta R.T.: -0.011 min
Response: 2286049
Conc: 20.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.160 min
Delta R.T.: -0.017 min
Response: 2387604
Conc: 22.18 ug/ml