

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031522AL\
 Data File : FD041577.D
 Signal(s) : FID2B.CH
 Acq On : 16 Mar 2022 10:58
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/17/2022
 Supervised By :Ankita Jodhani 03/17/2022

Integration File: autoint1.e
 Quant Time: Mar 17 03:19:54 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 24 01:21:33 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)	11.237	3282992	18.926 ug/ml
Spiked Amount 50.000		Recovery =	37.85%
12) S 1-chlorooctadecane (S...	12.675	2548846	18.827 ug/ml
Spiked Amount 50.000		Recovery =	37.65%
Target Compounds			
1) T n-Nonane (C9)	3.102	2952882	20.278 ug/ml
2) T n-Decane (C10)	4.148	2937961	20.347 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3207673	20.080 ug/ml
4) T n-Dodecane (C12)	6.143	3026179	20.433 ug/ml
5) T A~2-methylnaphthalene...	6.744	3246059	20.284 ug/ml
6) T n-Tetradecane (C14)	7.920	3055168	20.408 ug/ml
7) T n-Hexadecane (C16)	9.507	3079696	20.230 ug/ml
8) T n-Octadecane (C18)	10.938	3086057	19.855 ug/ml
10) T n-Eicosane (C20)	12.238	3017323	19.436 ug/ml
11) T n-Heneicosane (C21)	12.845	2974369	18.995 ug/ml
13) T n-Docosane (C22)	13.428	3010001	19.220 ug/ml
14) T n-Tetracosane (C24)	14.523	3005460	19.161 ug/ml
15) T n-Hexacosane (C26)	15.536	2956404	19.242 ug/ml
16) T n-Octacosane (C28)	16.480	2953733	19.847 ug/ml
17) T n-Tricontane (C30)	17.363	2909242	20.676 ug/ml
18) T n-Dotriacontane (C32)	18.189	2726503	21.430 ug/ml
19) T n-Tetratriacontane (C34)	18.970	2473013	21.713 ug/ml
20) T n-Hexatriacontane (C36)	19.706	2252956	21.981 ug/ml
21) T n-Octatriacontane (C38)	20.401	2161546	22.767 ug/mlm
22) T n-Tetracontane (C40)	21.184	2115472	22.322 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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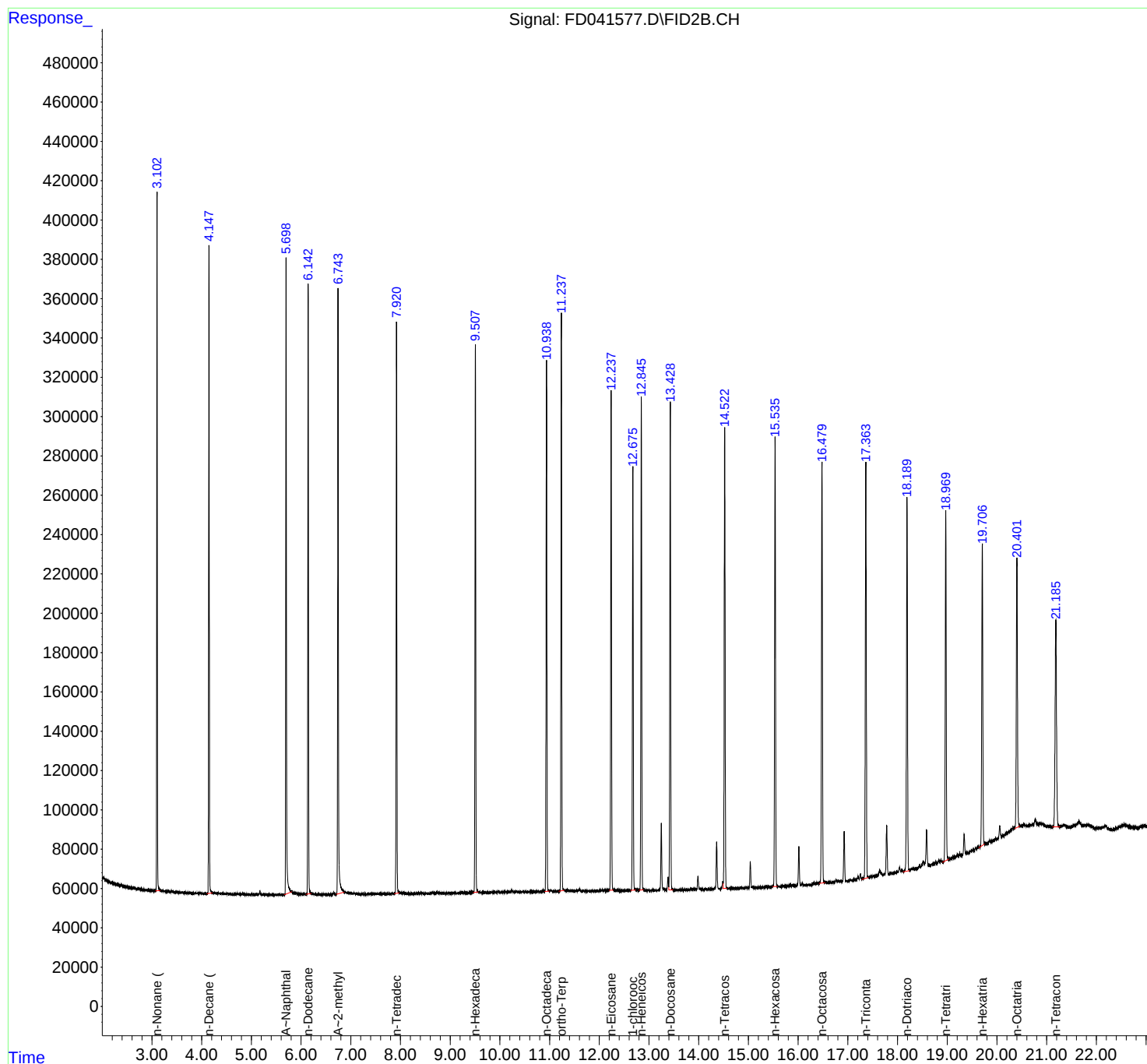
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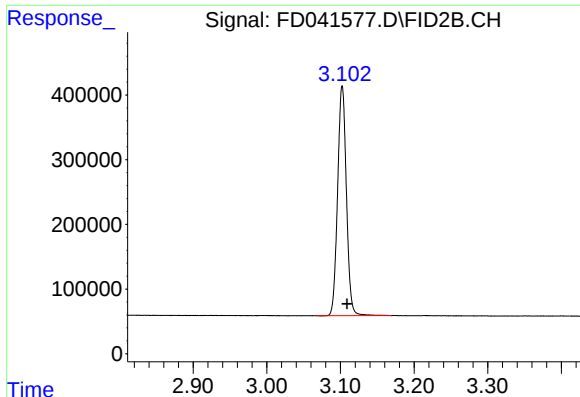
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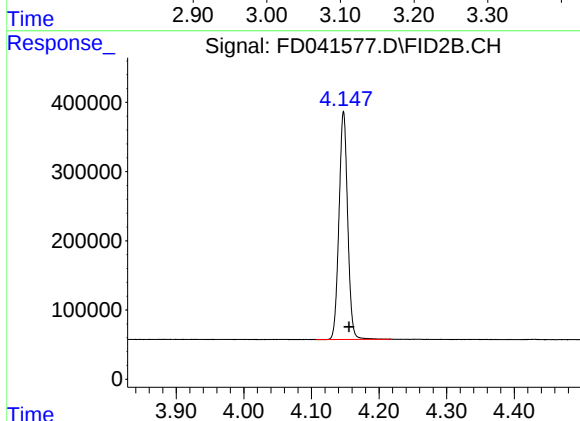
#1 n-Nonane (C9)

R.T.: 3.102 min
Delta R.T.: -0.007 min
Response: 2952882
Conc: 20.28 ug/ml

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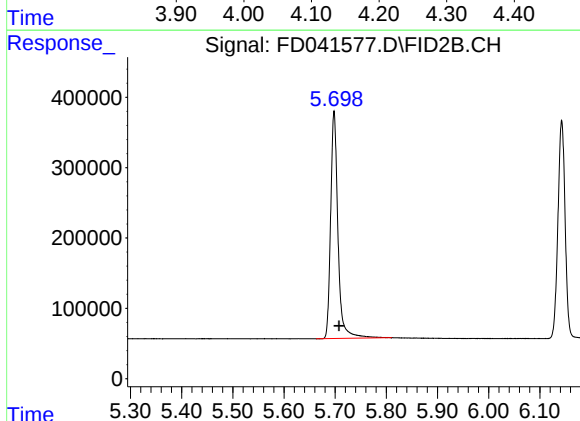
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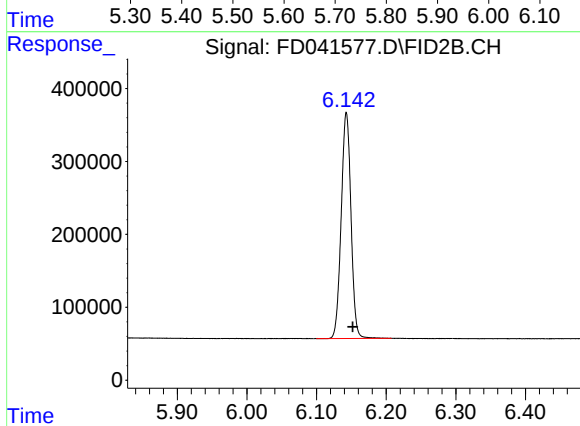
#2 n-Decane (C10)

R.T.: 4.148 min
Delta R.T.: -0.008 min
Response: 2937961
Conc: 20.35 ug/ml



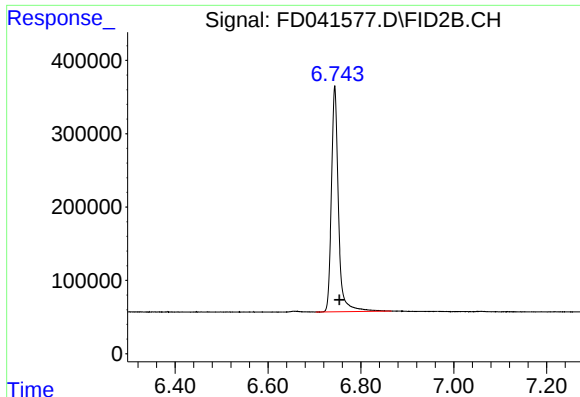
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: -0.010 min
Response: 3207673
Conc: 20.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.143 min
Delta R.T.: -0.009 min
Response: 3026179
Conc: 20.43 ug/ml



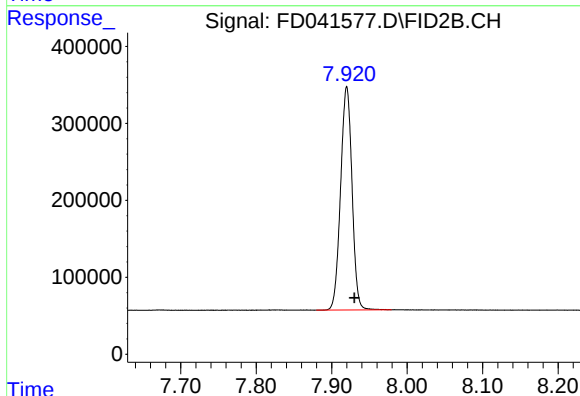
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.744 min
Delta R.T.: -0.010 min
Response: 3246059
Conc: 20.28 ug/ml

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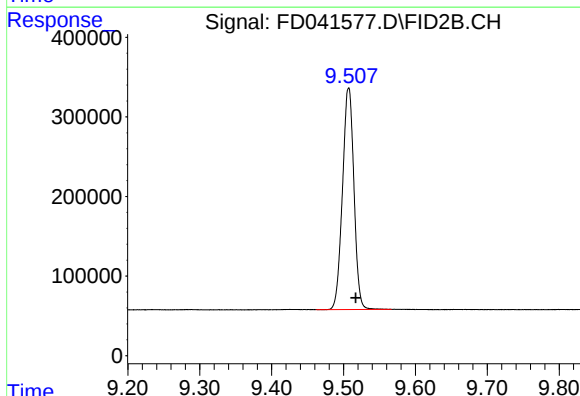
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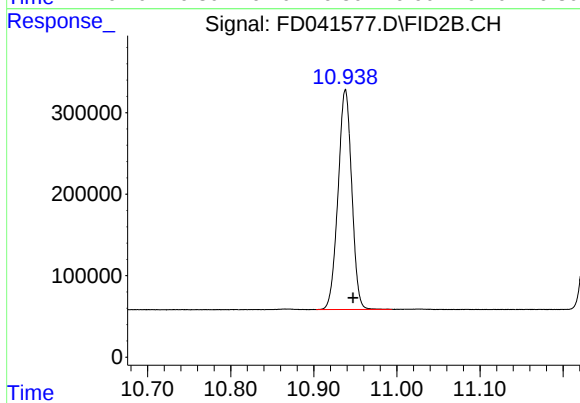
#6 n-Tetradecane (C14)

R.T.: 7.920 min
Delta R.T.: -0.010 min
Response: 3055168
Conc: 20.41 ug/ml



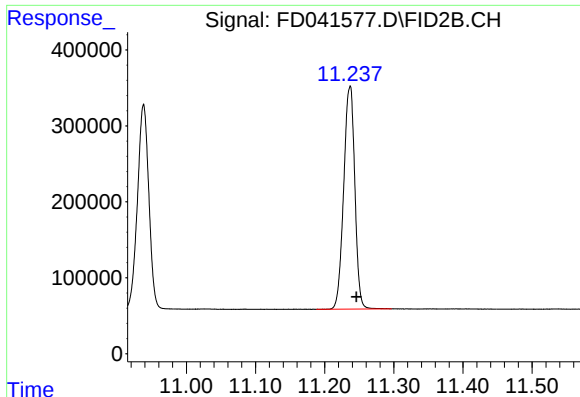
#7 n-Hexadecane (C16)

R.T.: 9.507 min
Delta R.T.: -0.010 min
Response: 3079696
Conc: 20.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.938 min
Delta R.T.: -0.009 min
Response: 3086057
Conc: 19.86 ug/ml



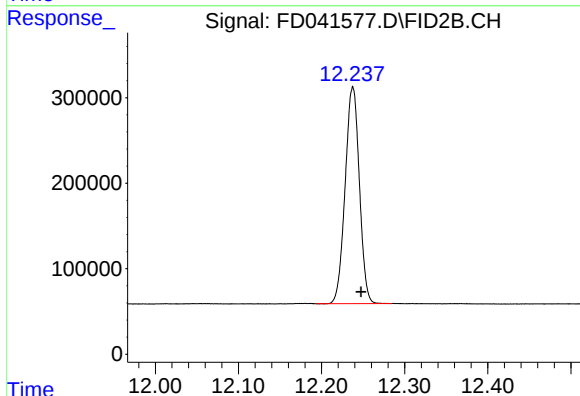
#9 ortho-Terphenyl (SURR)

R.T.: 11.237 min
Delta R.T.: -0.009 min
Response: 3282992
Conc: 18.93 ug/ml

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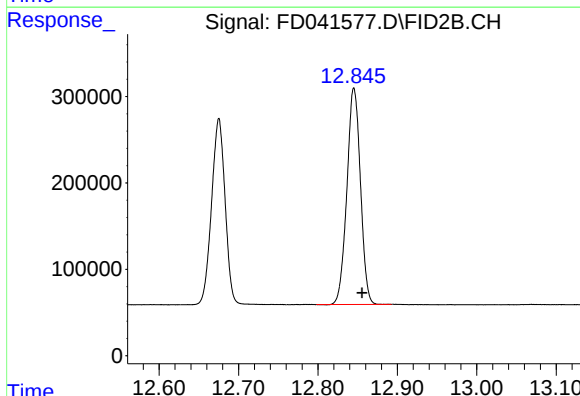
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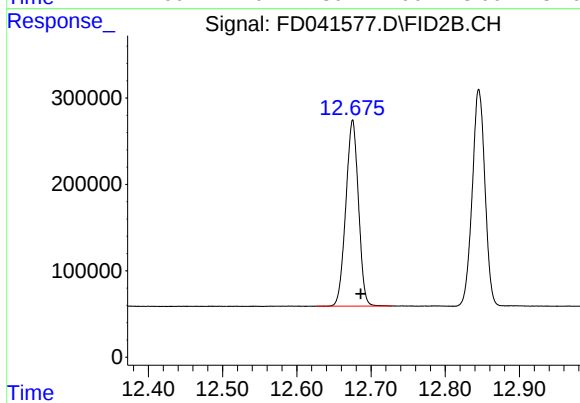
#10 n-Eicosane (C20)

R.T.: 12.238 min
Delta R.T.: -0.010 min
Response: 3017323
Conc: 19.44 ug/ml



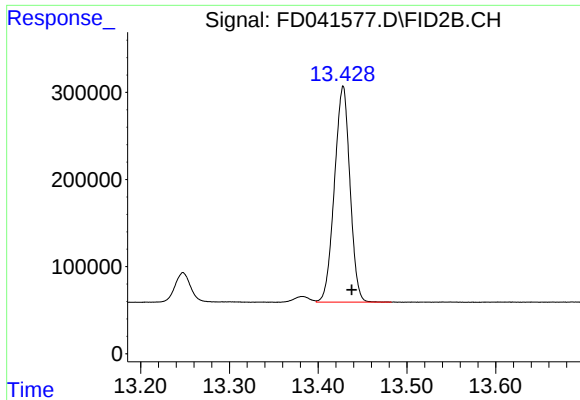
#11 n-Heneicosane (C21)

R.T.: 12.845 min
Delta R.T.: -0.011 min
Response: 2974369
Conc: 19.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.675 min
Delta R.T.: -0.011 min
Response: 2548846
Conc: 18.83 ug/ml



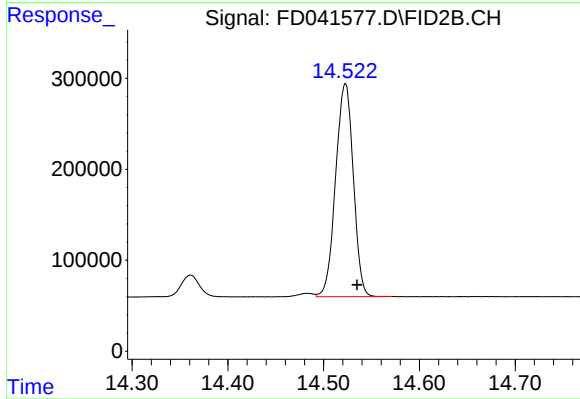
#13 n-Docosane (C22)

R.T.: 13.428 min
Delta R.T.: -0.010 min
Response: 3010001
Conc: 19.22 ug/ml

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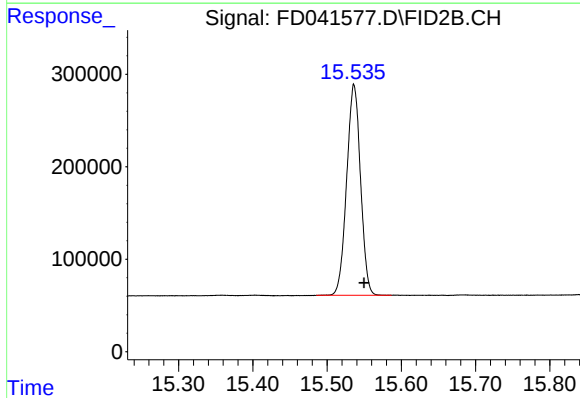
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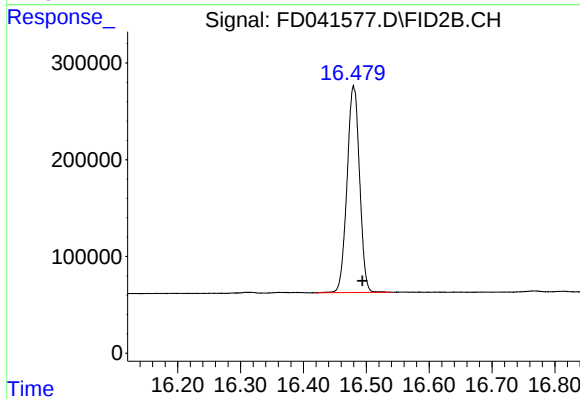
#14 n-Tetracosane (C24)

R.T.: 14.523 min
Delta R.T.: -0.012 min
Response: 3005460
Conc: 19.16 ug/ml



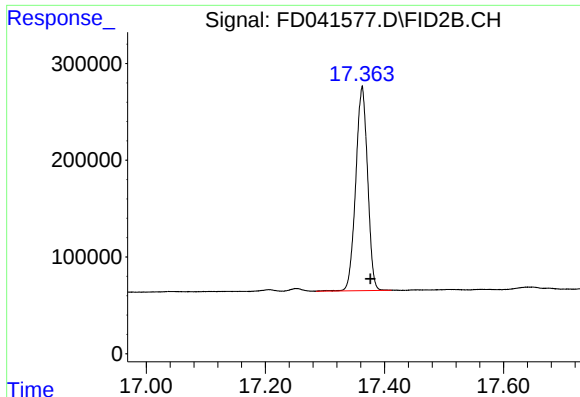
#15 n-Hexacosane (C26)

R.T.: 15.536 min
Delta R.T.: -0.014 min
Response: 2956404
Conc: 19.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.480 min
Delta R.T.: -0.014 min
Response: 2953733
Conc: 19.85 ug/ml



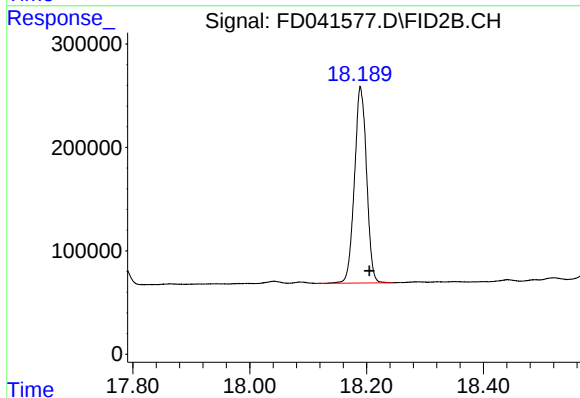
#17 n-Tricontane (C30)

R.T.: 17.363 min
Delta R.T.: -0.014 min
Response: 2909242
Conc: 20.68 ug/ml

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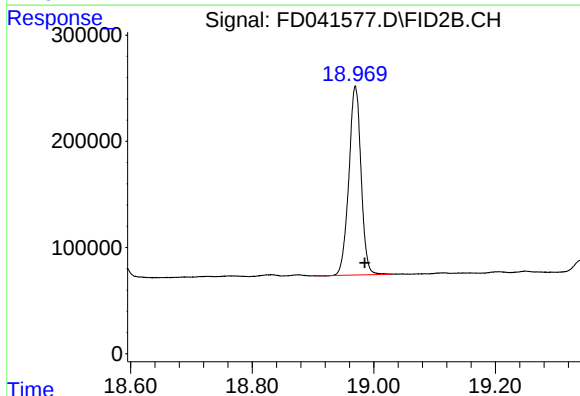
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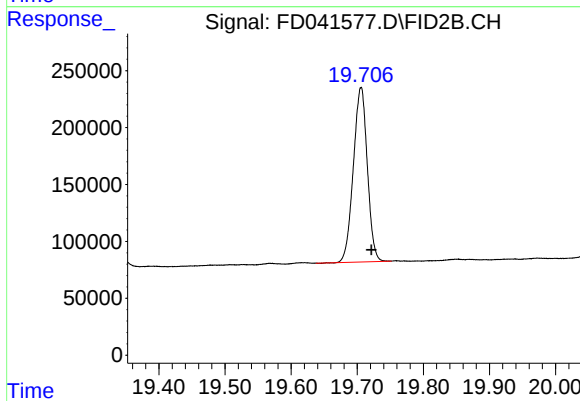
#18 n-Dotriacontane (C32)

R.T.: 18.189 min
Delta R.T.: -0.015 min
Response: 2726503
Conc: 21.43 ug/ml



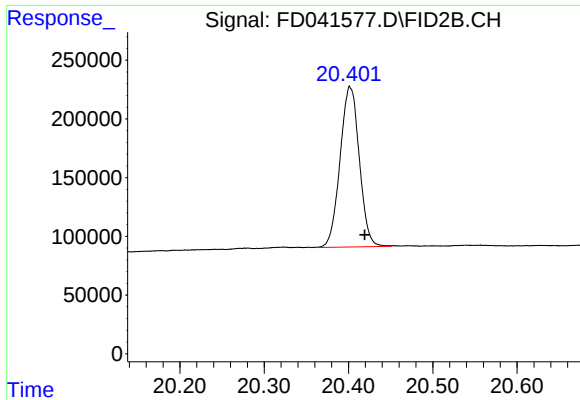
#19 n-Tetratriacontane (C34)

R.T.: 18.970 min
Delta R.T.: -0.015 min
Response: 2473013
Conc: 21.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.706 min
Delta R.T.: -0.016 min
Response: 2252956
Conc: 21.98 ug/ml



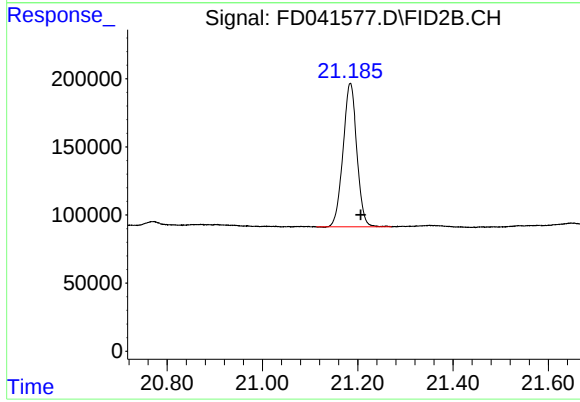
#21 n-Octatriacontane (C38)

R.T.: 20.401 min
Delta R.T.: -0.018 min
Response: 2161546
Conc: 22.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.184 min
Delta R.T.: -0.022 min
Response: 2115472
Conc: 22.32 ug/ml