

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF100725AL\
 Data File : FF016537.D
 Signal(s) : FID2B.ch
 Acq On : 07 Oct 2025 12:48
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File: autoint1.e
 Quant Time: Oct 08 02:40:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 05:49:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.963	2658487	18.381 ug/ml
Spiked Amount 50.000		Recovery =	36.76%
12) S 1-chlorooctadecane (S...	13.405	2050325	18.381 ug/ml
Spiked Amount 50.000		Recovery =	36.76%
Target Compounds			
1) T n-Nonane (C9)	3.310	2137101	18.279 ug/ml
2) T n-Decane (C10)	4.572	2202183	18.592 ug/ml
3) T A~Naphthalene (C11.7)	6.285	2382346	18.241 ug/ml
4) T n-Dodecane (C12)	6.753	2230885	18.586 ug/ml
5) T A~2-methylnaphthalene...	7.386	2308570	18.132 ug/ml
6) T n-Tetradecane (C14)	8.588	2231193	18.516 ug/ml
7) T n-Hexadecane (C16)	10.199	2351923	18.832 ug/ml
8) T n-Octadecane (C18)	11.646	2423479	18.709 ug/ml
10) T n-Eicosane (C20)	12.959	2383023	18.636 ug/ml
11) T n-Heneicosane (C21)	13.573	2348644	18.498 ug/ml
13) T n-Docosane (C22)	14.161	2370417	18.670 ug/ml
14) T n-Tetracosane (C24)	15.269	2442204	19.092 ug/ml
15) T n-Hexacosane (C26)	16.293	2398148	19.184 ug/ml
16) T n-Octacosane (C28)	17.247	2395886	19.554 ug/ml
17) T n-Tricontane (C30)	18.138	2555546	20.520 ug/ml
18) T n-Dotriacontane (C32)	18.975	2666756	22.126 ug/ml
19) T n-Tetratriacontane (C34)	19.762	2302743	21.117 ug/ml
20) T n-Hexatriacontane (C36)	20.505	1914392	20.512 ug/ml
21) T n-Octatriacontane (C38)	21.264	1641315	19.516 ug/mlm
22) T n-Tetracontane (C40)	22.212	1355340	17.264 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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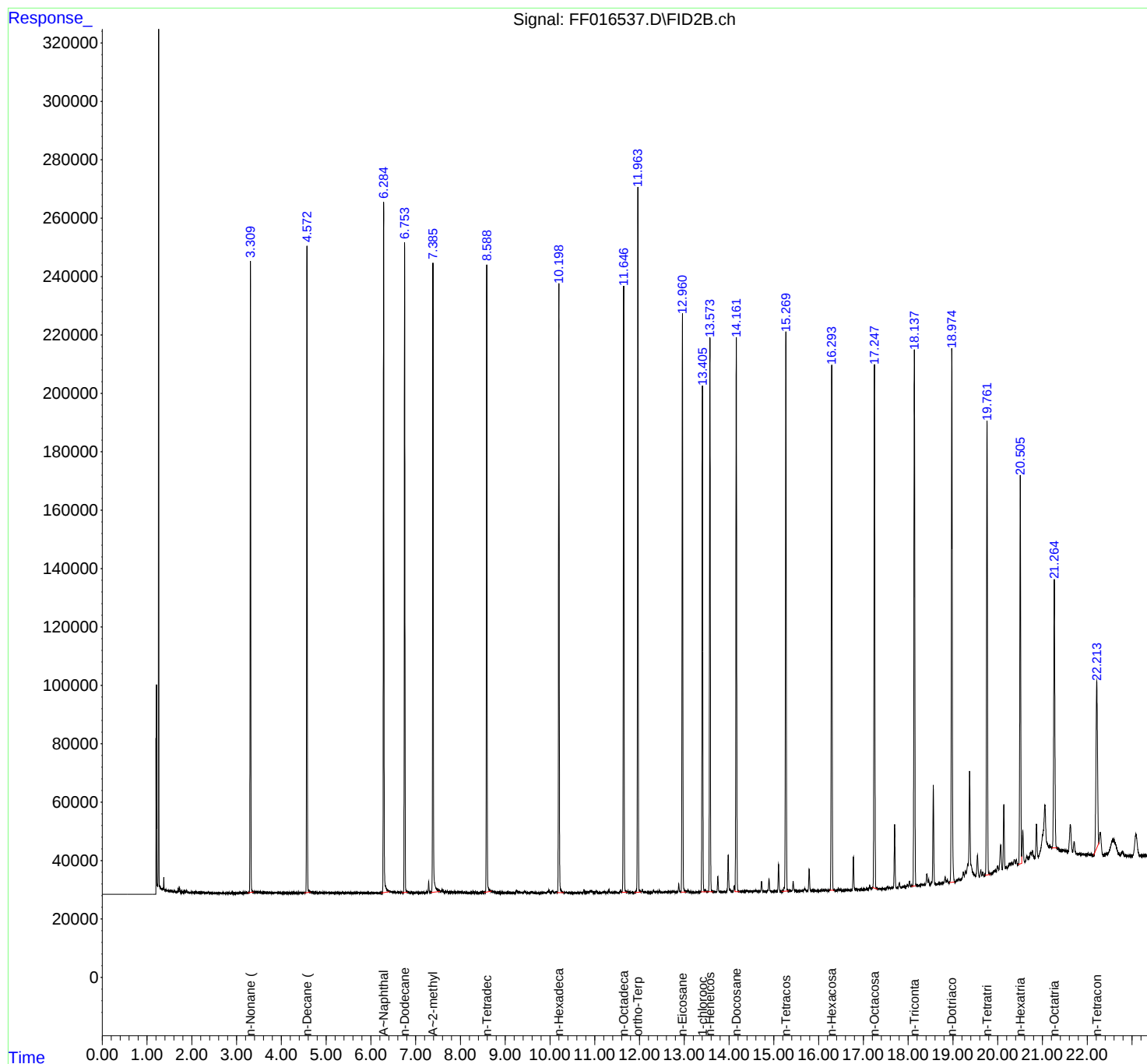
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20 PPM ALIPHATIC HC STD

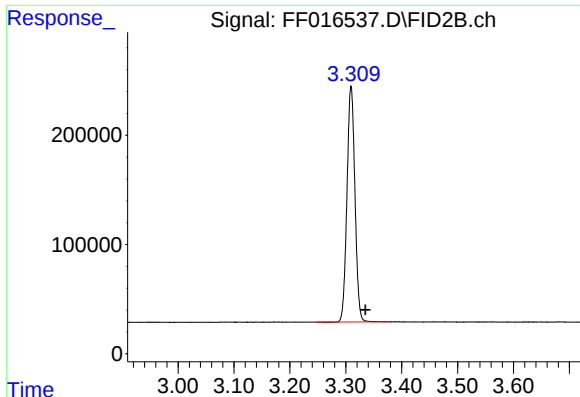
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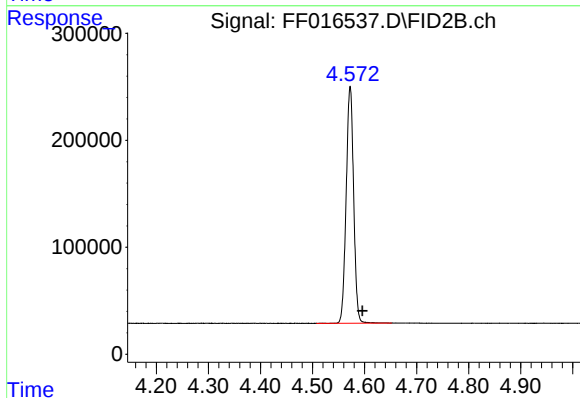
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: -0.025 min
Response: 2137101
Conc: 18.28 ug/ml

Instrument :
FID_F
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20 PPM ALIPHATIC HC STD

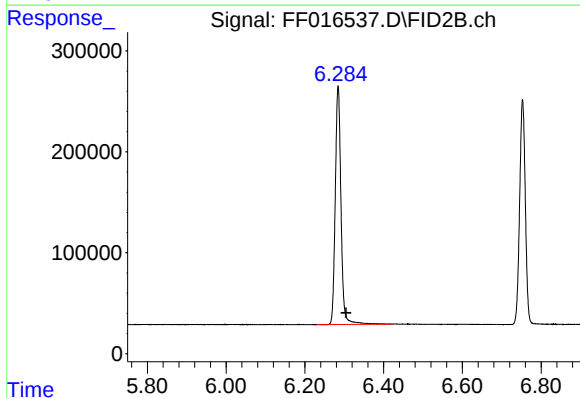
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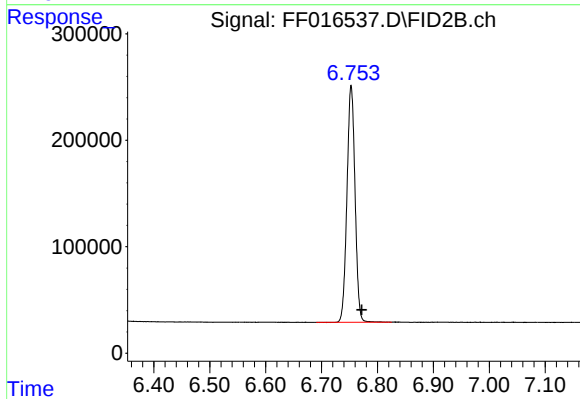
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: -0.023 min
Response: 2202183
Conc: 18.59 ug/ml



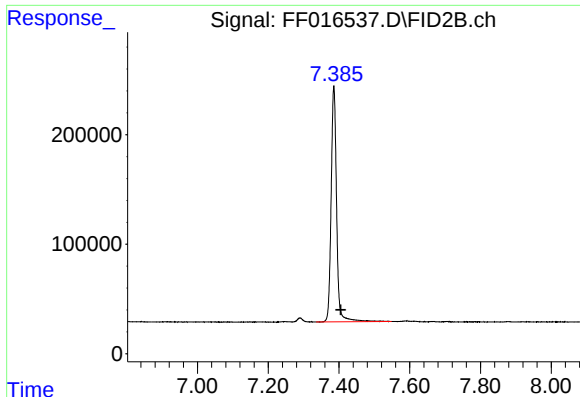
#3 A~Naphthalene (C11.7)

R.T.: 6.285 min
Delta R.T.: -0.020 min
Response: 2382346
Conc: 18.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.753 min
Delta R.T.: -0.019 min
Response: 2230885
Conc: 18.59 ug/ml



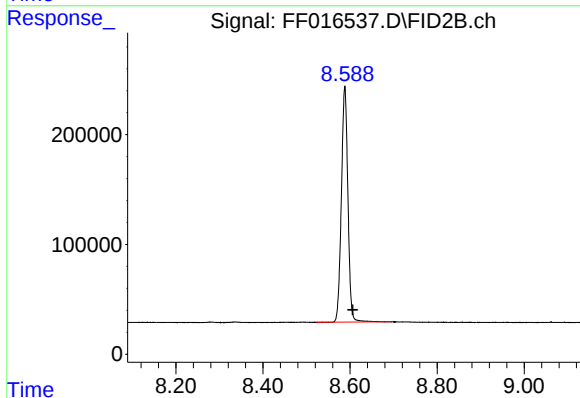
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.386 min
Delta R.T.: -0.019 min
Response: 2308570
Conc: 18.13 ug/ml

Instrument :
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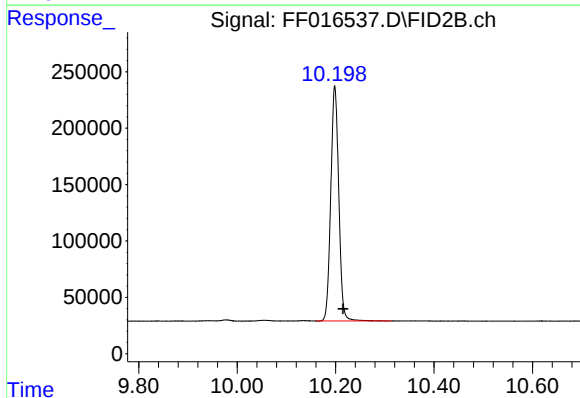
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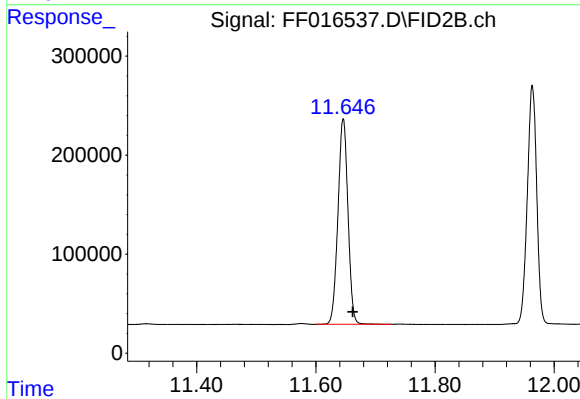
#6 n-Tetradecane (C14)

R.T.: 8.588 min
Delta R.T.: -0.018 min
Response: 2231193
Conc: 18.52 ug/ml



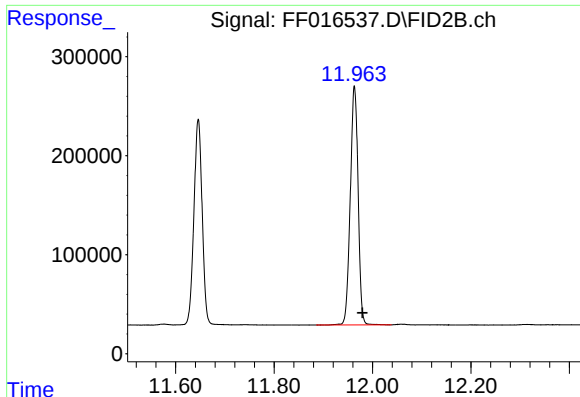
#7 n-Hexadecane (C16)

R.T.: 10.199 min
Delta R.T.: -0.017 min
Response: 2351923
Conc: 18.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.646 min
Delta R.T.: -0.016 min
Response: 2423479
Conc: 18.71 ug/ml



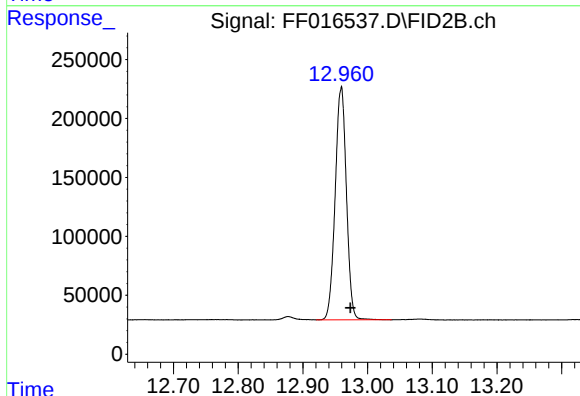
#9 ortho-Terphenyl (SURR)

R.T.: 11.963 min
Delta R.T.: -0.016 min
Response: 2658487
Conc: 18.38 ug/ml

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20 PPM ALIPHATIC HC STD

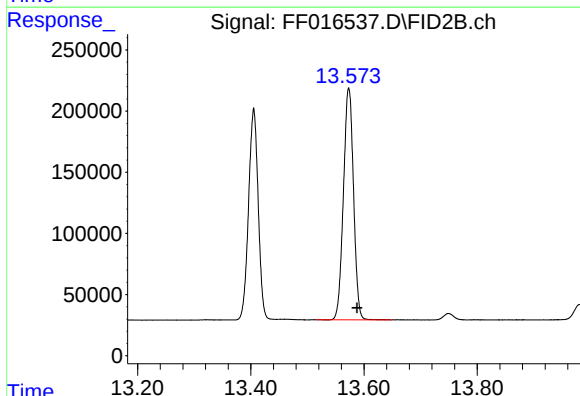
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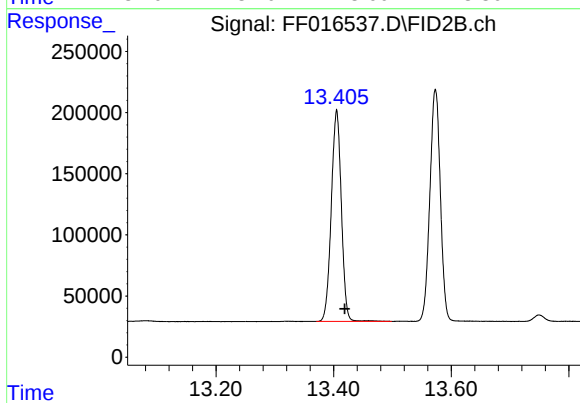
#10 n-Eicosane (C20)

R.T.: 12.959 min
Delta R.T.: -0.014 min
Response: 2383023
Conc: 18.64 ug/ml



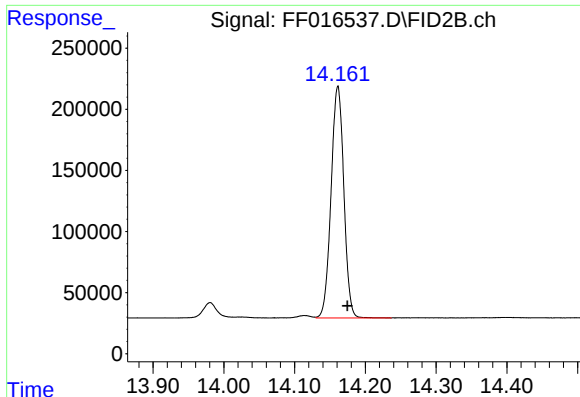
#11 n-Heneicosane (C21)

R.T.: 13.573 min
Delta R.T.: -0.014 min
Response: 2348644
Conc: 18.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.405 min
Delta R.T.: -0.014 min
Response: 2050325
Conc: 18.38 ug/ml



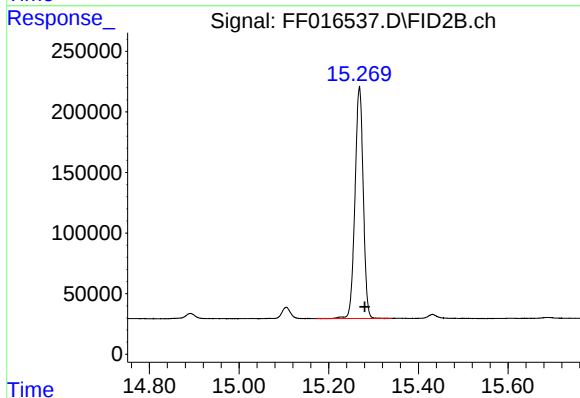
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: -0.013 min
Response: 2370417
Conc: 18.67 ug/ml

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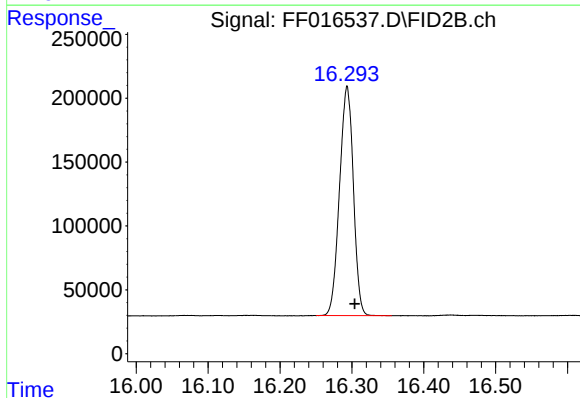
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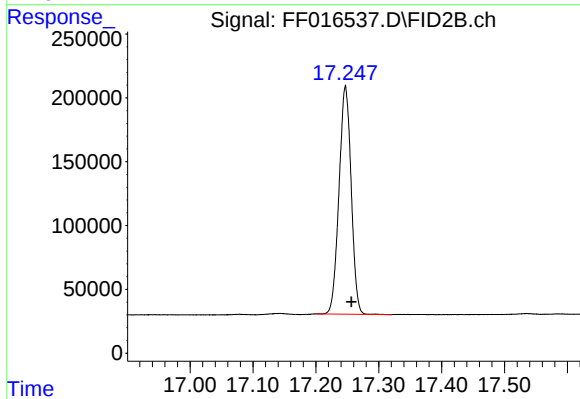
#14 n-Tetracosane (C24)

R.T.: 15.269 min
Delta R.T.: -0.012 min
Response: 2442204
Conc: 19.09 ug/ml



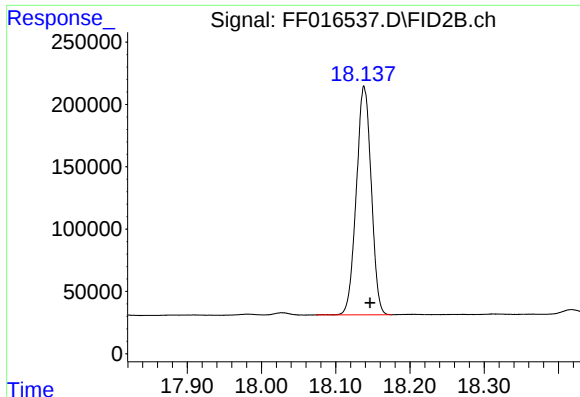
#15 n-Hexacosane (C26)

R.T.: 16.293 min
Delta R.T.: -0.011 min
Response: 2398148
Conc: 19.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.247 min
Delta R.T.: -0.009 min
Response: 2395886
Conc: 19.55 ug/ml



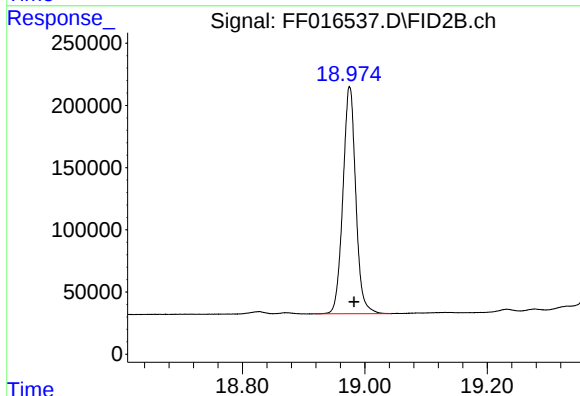
#17 n-Tricontane (C30)

R.T.: 18.138 min
Delta R.T.: -0.008 min
Response: 2555546
Conc: 20.52 ug/ml

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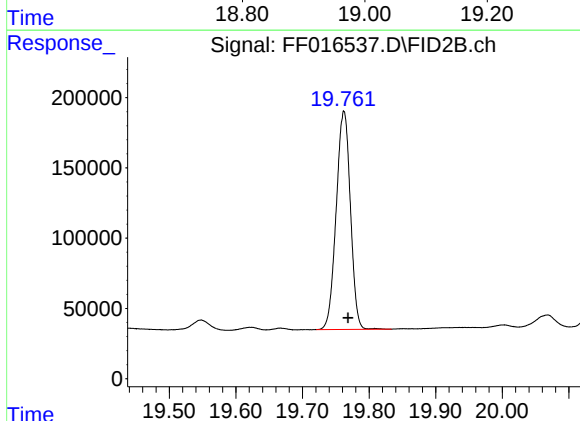
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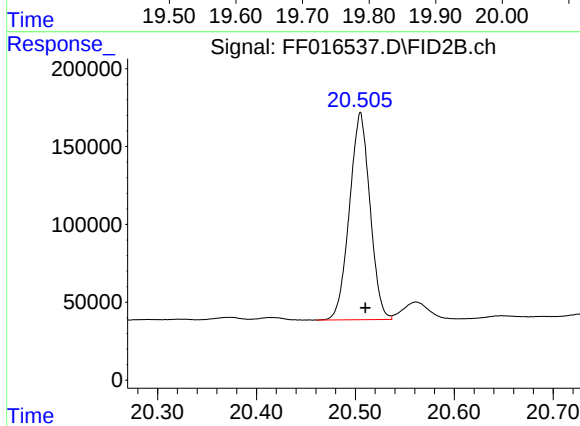
#18 n-Dotriacontane (C32)

R.T.: 18.975 min
Delta R.T.: -0.007 min
Response: 2666756
Conc: 22.13 ug/ml



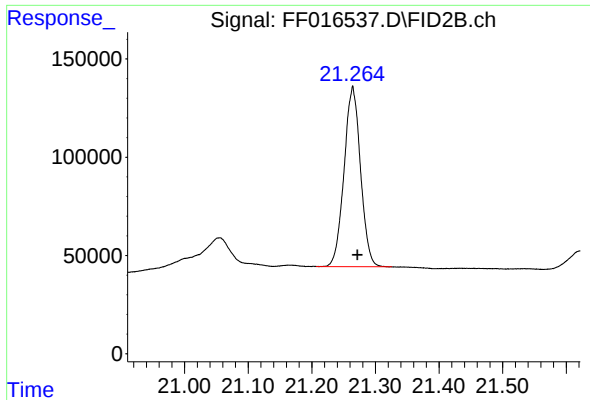
#19 n-Tetratriacontane (C34)

R.T.: 19.762 min
Delta R.T.: -0.006 min
Response: 2302743
Conc: 21.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.505 min
Delta R.T.: -0.005 min
Response: 1914392
Conc: 20.51 ug/ml



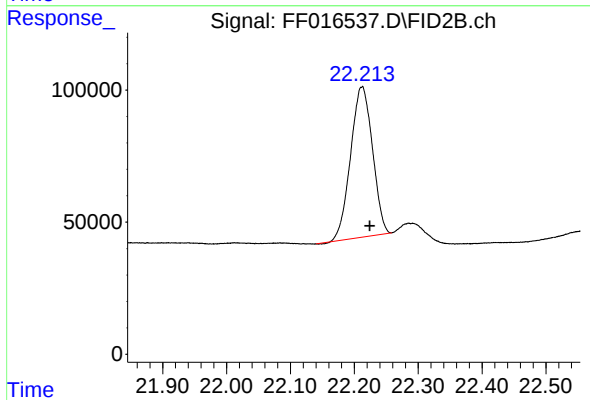
#21 n-Octatriacontane (C38)

R.T.: 21.264 min
Delta R.T.: -0.008 min
Response: 1641315
Conc: 19.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.212 min
Delta R.T.: -0.012 min
Response: 1355340
Conc: 17.26 ug/ml