

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080222AL\
 Data File : FE036829.D
 Signal(s) : FID1B.ch
 Acq On : 02 Aug 2022 19:18
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2022
 Supervised By :Ankita Jodhani 08/03/2022

Integration File: autoint1.e
 Quant Time: Aug 03 03:44:39 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071722.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 18 02:35:21 2022
 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)	11.837	3219918	17.288 ug/ml
Spiked Amount 50.000		Recovery =	34.58%
12) S 1-chlorooctadecane (S...	13.277	2536335	16.671 ug/ml
Spiked Amount 50.000		Recovery =	33.34%
Target Compounds			
1) T n-Nonane (C9)	3.226	2895066	18.780 ug/ml
2) T n-Decane (C10)	4.481	2908050	18.865 ug/ml
3) T A~Naphthalene (C11.7)	6.181	3184583	18.636 ug/ml
4) T n-Dodecane (C12)	6.649	2958276	18.836 ug/ml
5) T A~2-methylnaphthalene...	7.278	3157490	18.372 ug/ml
6) T n-Tetradecane (C14)	8.476	2975340	18.225 ug/ml
7) T n-Hexadecane (C16)	10.082	2956635	17.938 ug/ml
8) T n-Octadecane (C18)	11.525	2964738	17.445 ug/ml
10) T n-Eicosane (C20)	12.833	2884990	16.960 ug/ml
11) T n-Heneicosane (C21)	13.444	2864809	16.738 ug/ml
13) T n-Docosane (C22)	14.030	2810801	16.463 ug/ml
14) T n-Tetracosane (C24)	15.133	2799289	16.422 ug/ml
15) T n-Hexacosane (C26)	16.154	2637325	15.775 ug/ml
16) T n-Octacosane (C28)	17.107	2570185	15.736 ug/ml
17) T n-Tricontane (C30)	17.993	2436002	16.031 ug/ml
18) T n-Dotriacontane (C32)	18.828	1980164	16.464 ug/ml
19) T n-Tetratriacontane (C34)	19.609	1450315	17.416 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	1092169	18.601 ug/mlm
21) T n-Octatriacontane (C38)	21.074	967784	19.303 ug/mlm
22) T n-Tetracontane (C40)	21.956	922325	17.860 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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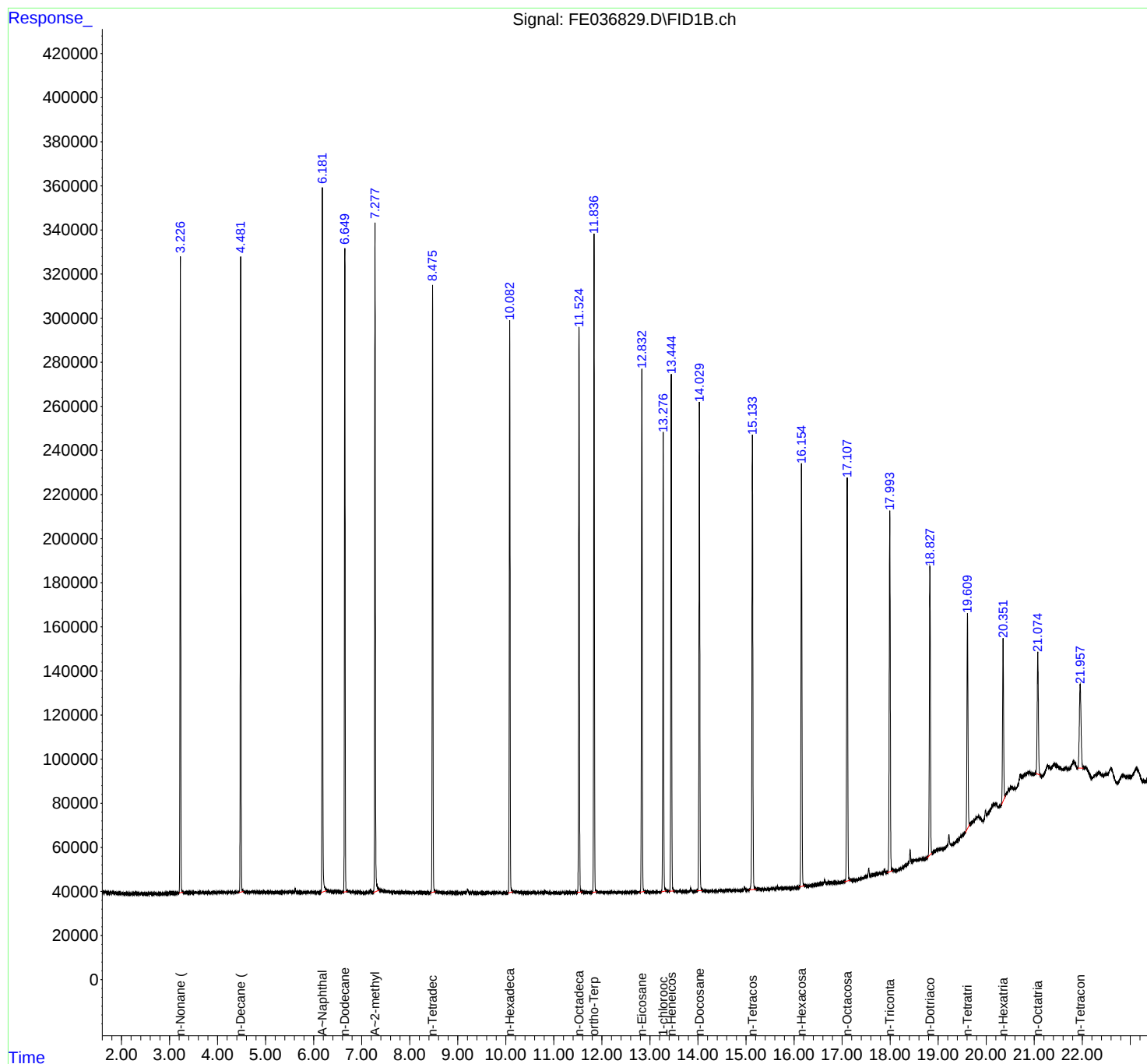
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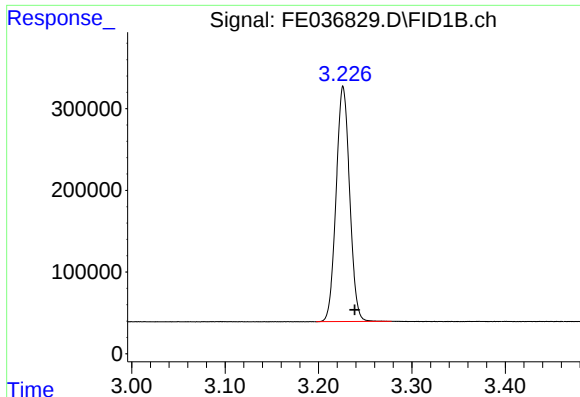
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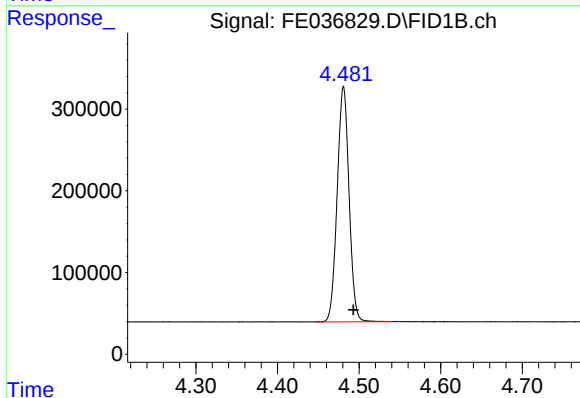
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.013 min
Response: 2895066
Conc: 18.78 ug/ml

Instrument :
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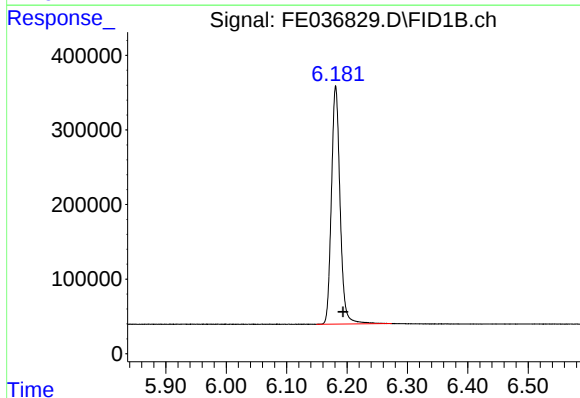
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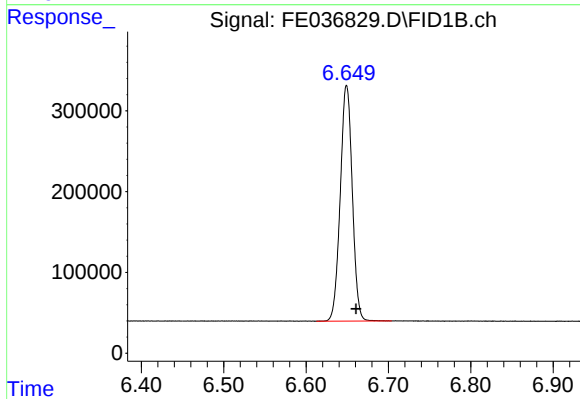
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: -0.012 min
Response: 2908050
Conc: 18.87 ug/ml



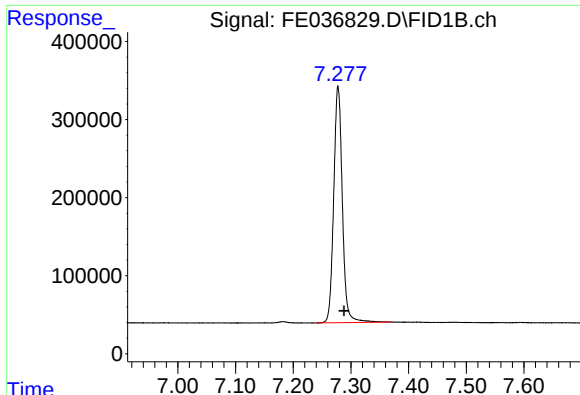
#3 A~Naphthalene (C11.7)

R.T.: 6.181 min
Delta R.T.: -0.012 min
Response: 3184583
Conc: 18.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.011 min
Response: 2958276
Conc: 18.84 ug/ml



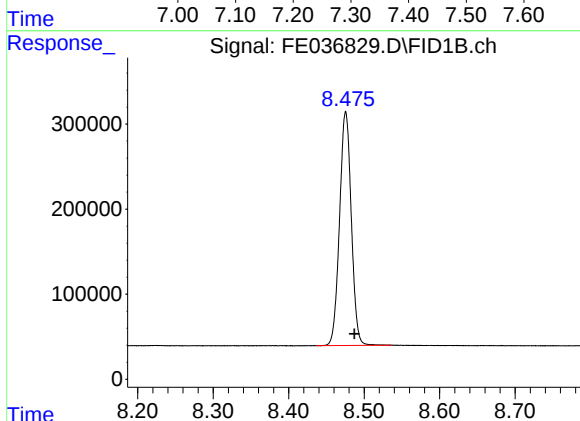
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.278 min
Delta R.T.: -0.010 min
Response: 3157490
Conc: 18.37 ug/ml

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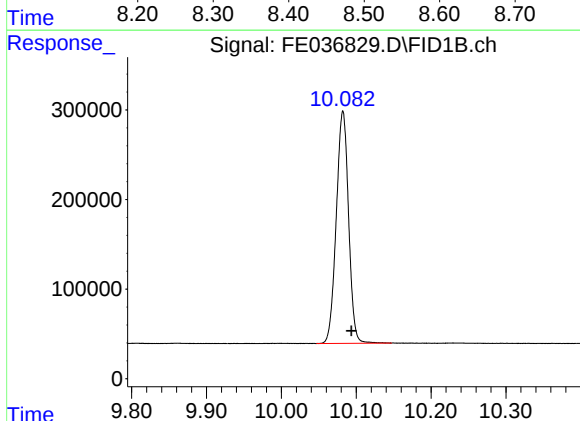
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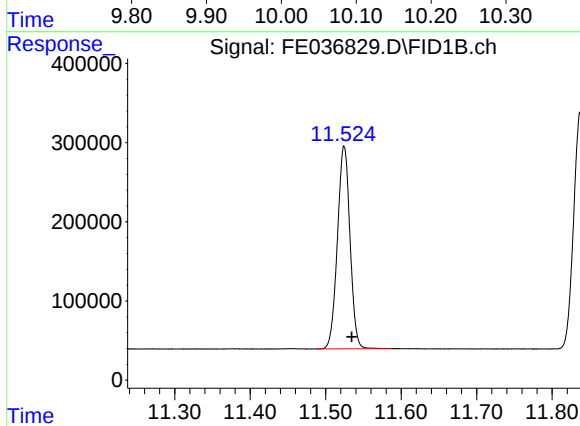
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.012 min
Response: 2975340
Conc: 18.22 ug/ml



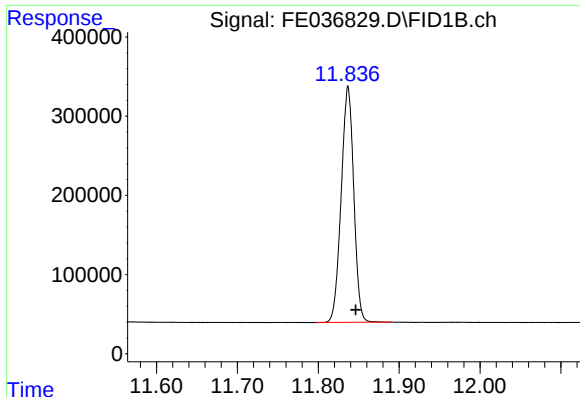
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.011 min
Response: 2956635
Conc: 17.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.010 min
Response: 2964738
Conc: 17.44 ug/ml



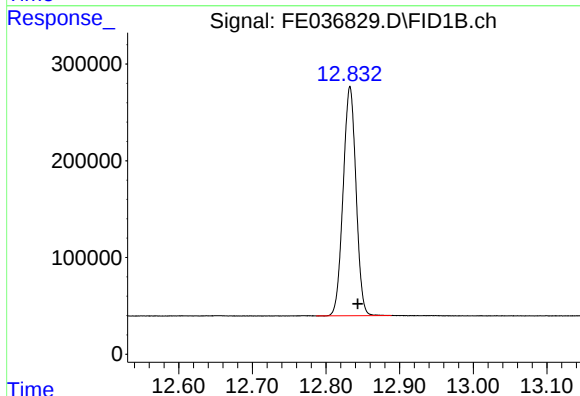
#9 ortho-Terphenyl (SURR)

R.T.: 11.837 min
Delta R.T.: -0.010 min
Response: 3219918
Conc: 17.29 ug/ml

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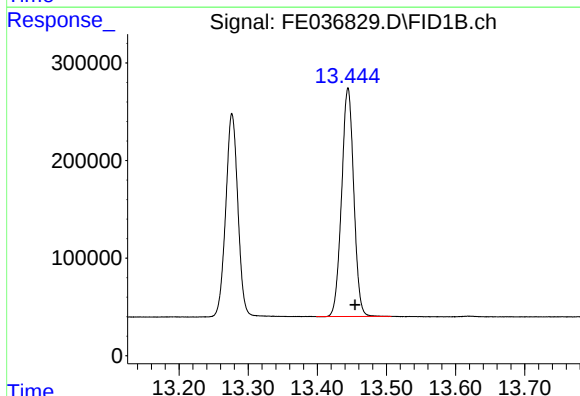
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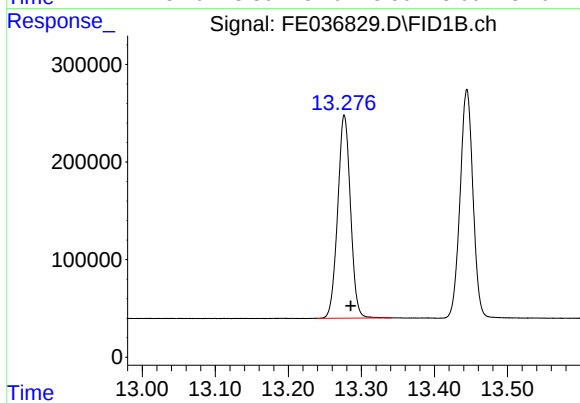
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.010 min
Response: 2884990
Conc: 16.96 ug/ml



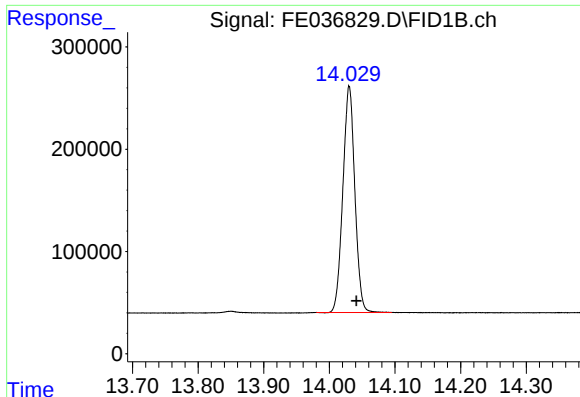
#11 n-Heneicosane (C21)

R.T.: 13.444 min
Delta R.T.: -0.010 min
Response: 2864809
Conc: 16.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.009 min
Response: 2536335
Conc: 16.67 ug/ml



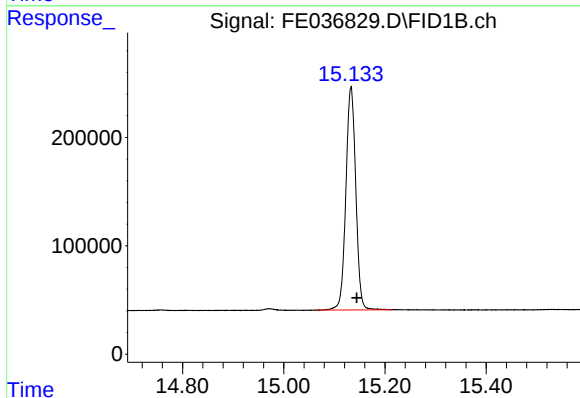
#13 n-Docosane (C22)

R.T.: 14.030 min
Delta R.T.: -0.011 min
Response: 2810801
Conc: 16.46 ug/ml

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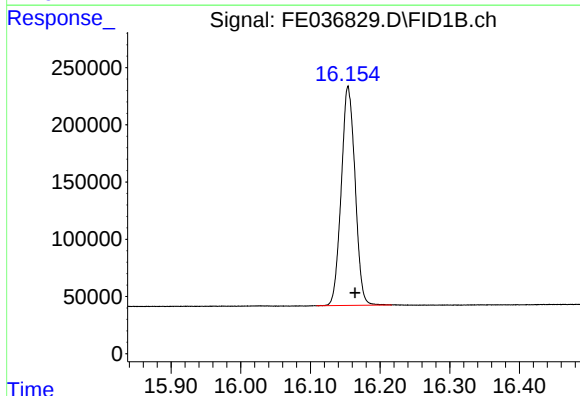
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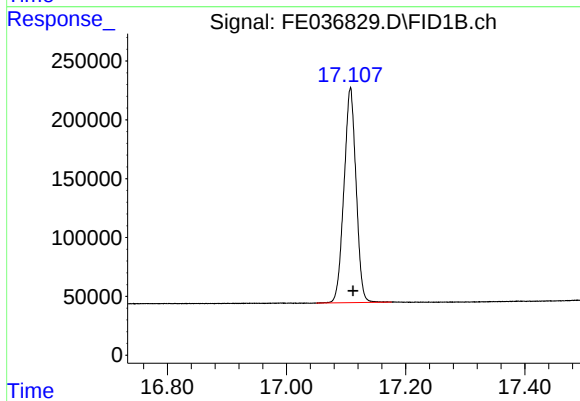
#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.011 min
Response: 2799289
Conc: 16.42 ug/ml



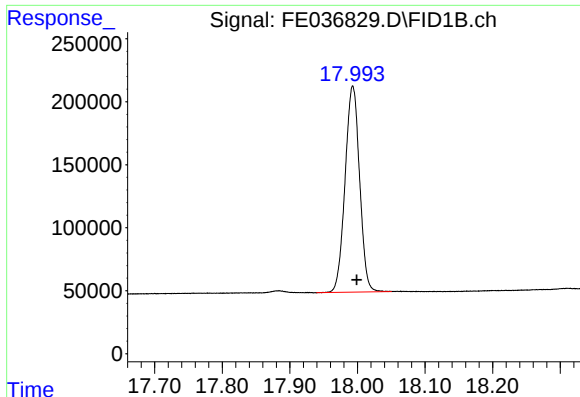
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.010 min
Response: 2637325
Conc: 15.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.107 min
Delta R.T.: -0.005 min
Response: 2570185
Conc: 15.74 ug/ml



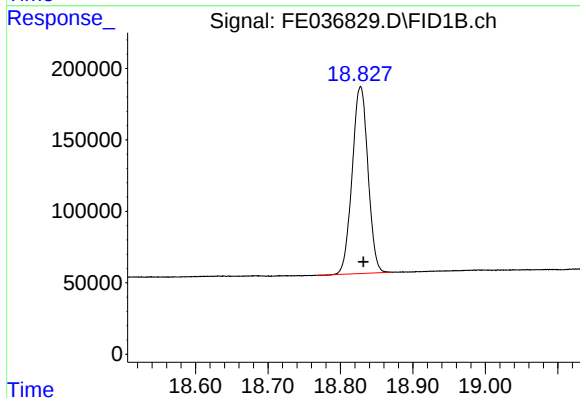
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.006 min
Response: 2436002
Conc: 16.03 ug/ml

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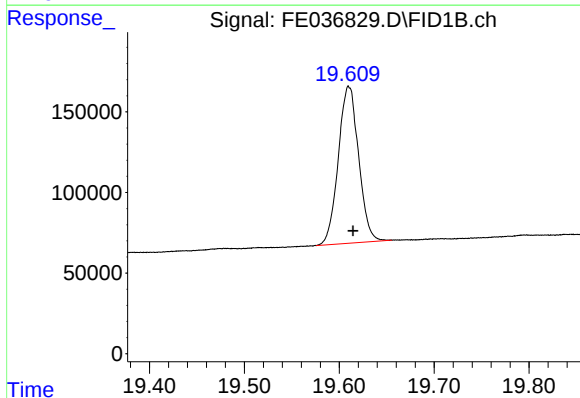
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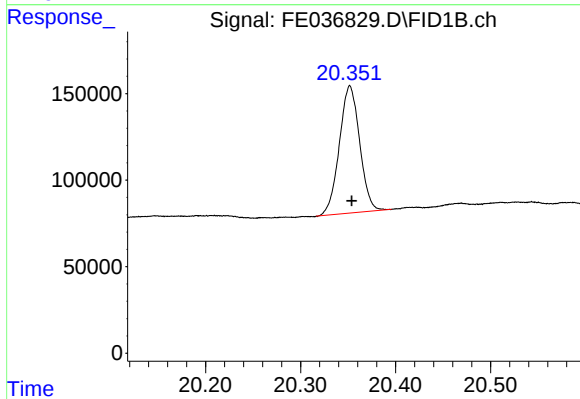
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.004 min
Response: 1980164
Conc: 16.46 ug/ml



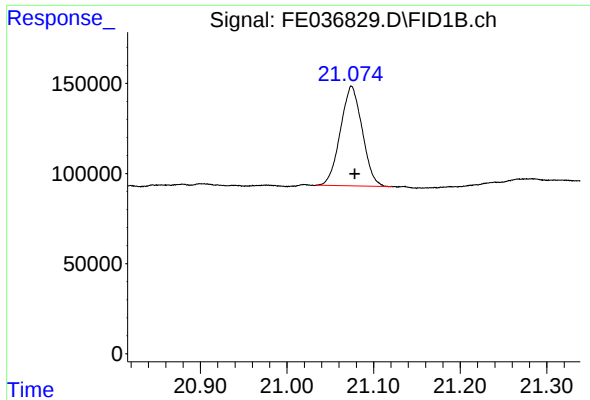
#19 n-Tetratriacontane (C34)

R.T.: 19.609 min
Delta R.T.: -0.005 min
Response: 1450315
Conc: 17.42 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.002 min
Response: 1092169
Conc: 18.60 ug/ml m



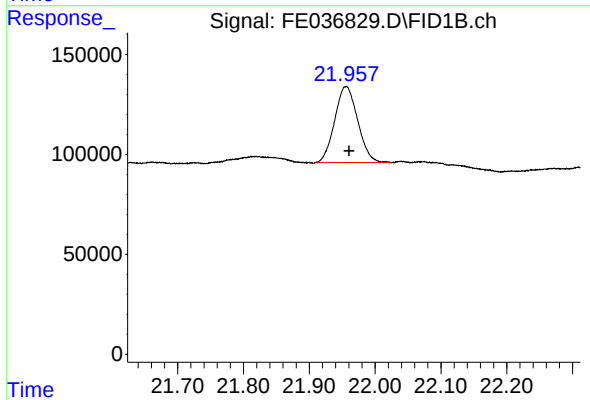
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.005 min
Response: 967784
Conc: 19.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.956 min
Delta R.T.: -0.005 min
Response: 922325
Conc: 17.86 ug/ml