

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071922AL\
 Data File : FE036572.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jul 2022 10:03
 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 :Ankita Jodhani 07/20/2022
 Supervised By :mohammad ahmed 07/20/2022

Integration File: autoint1.e
 Quant Time: Jul 19 10:33:25 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)	11.858	3894941	20.913 ug/ml
Spiked Amount 50.000		Recovery =	41.83%
12) S 1-chlorooctadecane (S...	13.298	3116697	20.485 ug/ml
Spiked Amount 50.000		Recovery =	40.97%
Target Compounds			
1) T n-Nonane (C9)	3.242	3482044	22.588 ug/ml
2) T n-Decane (C10)	4.497	3508327	22.760 ug/ml
3) T A~Naphthalene (C11.7)	6.201	3897094	22.805 ug/ml
4) T n-Dodecane (C12)	6.667	3581623	22.805 ug/ml
5) T A~2-methylnaphthalene...	7.297	3904823	22.720 ug/ml
6) T n-Tetradecane (C14)	8.495	3645393	22.329 ug/ml
7) T n-Hexadecane (C16)	10.102	3632617	22.039 ug/ml
8) T n-Octadecane (C18)	11.544	3639982	21.418 ug/ml
10) T n-Eicosane (C20)	12.853	3541834	20.822 ug/ml
11) T n-Heneicosane (C21)	13.466	3513709	20.530 ug/ml
13) T n-Docosane (C22)	14.052	3444952	20.177 ug/ml
14) T n-Tetracosane (C24)	15.155	3349129	19.647 ug/ml
15) T n-Hexacosane (C26)	16.177	3224985	19.290 ug/ml
16) T n-Octacosane (C28)	17.127	3124071	19.128 ug/ml
17) T n-Tricontane (C30)	18.015	2926364	19.257 ug/ml
18) T n-Dotriacontane (C32)	18.849	2345792	19.504 ug/ml
19) T n-Tetratriacontane (C34)	19.630	1684861	20.232 ug/mlm
20) T n-Hexatriacontane (C36)	20.372	1282460	21.841 ug/mlm
21) T n-Octatriacontane (C38)	21.095	1087831	21.697 ug/mlm
22) T n-Tetracontane (C40)	21.984	1321337	25.586 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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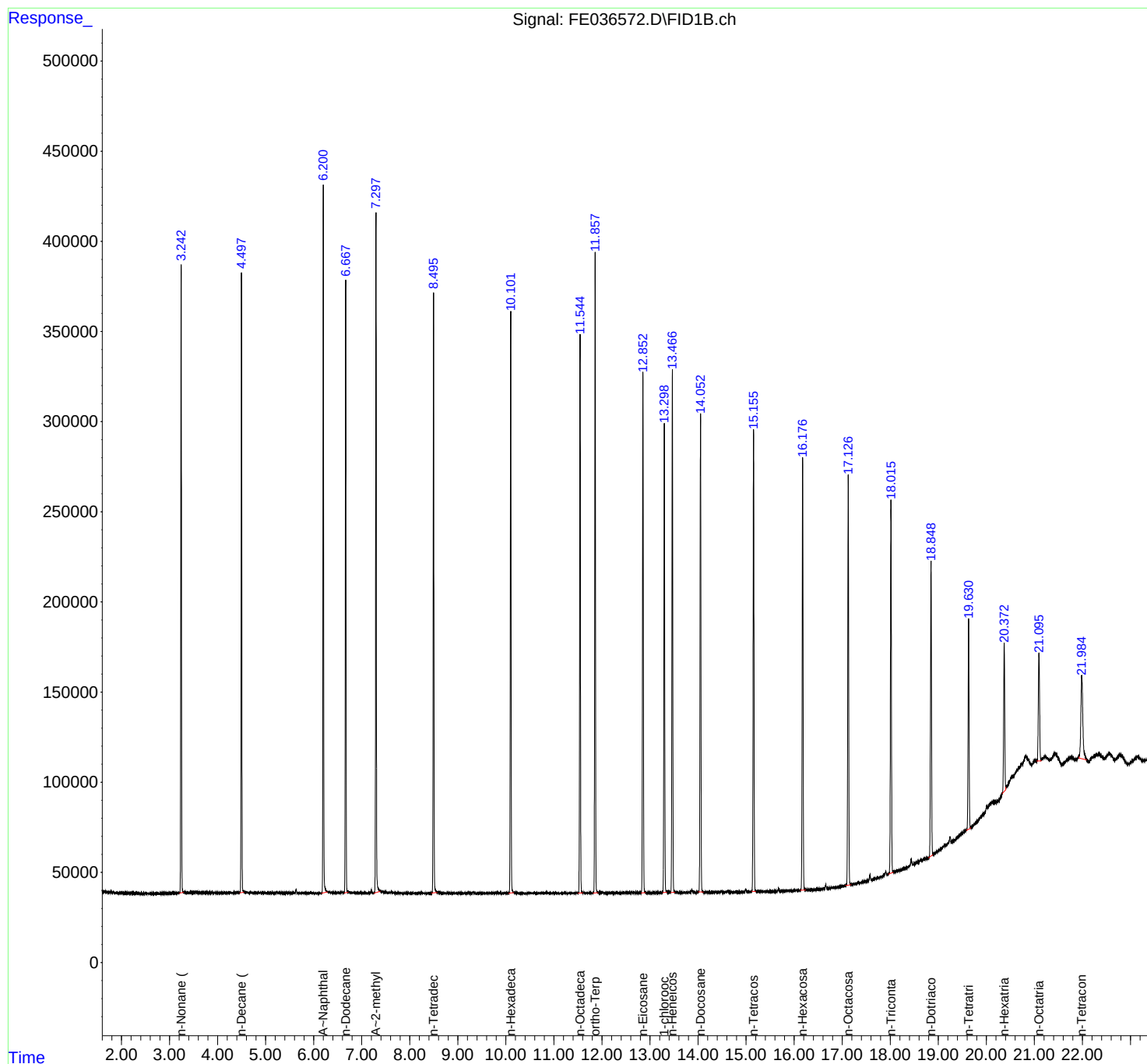
Instrument :
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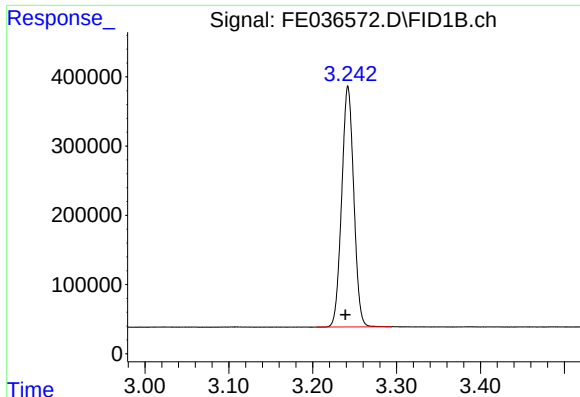
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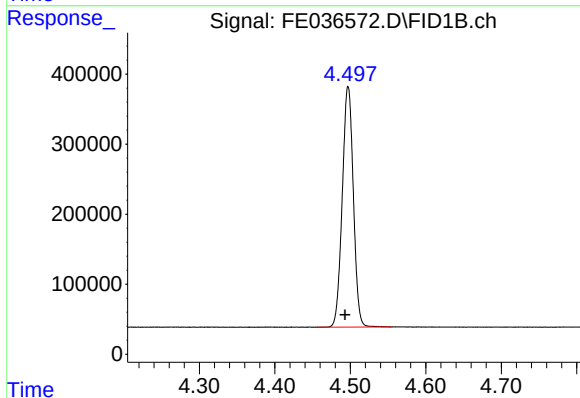
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: 0.003 min
Response: 3482044
Conc: 22.59 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

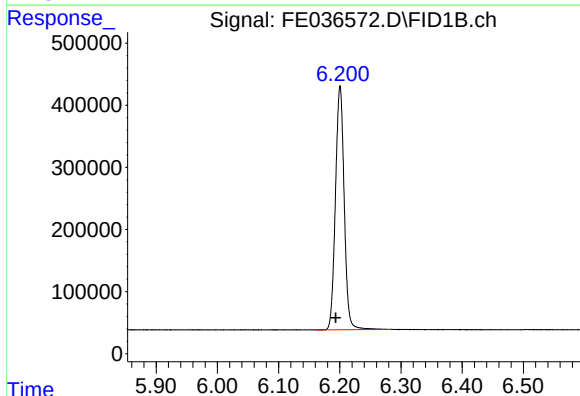
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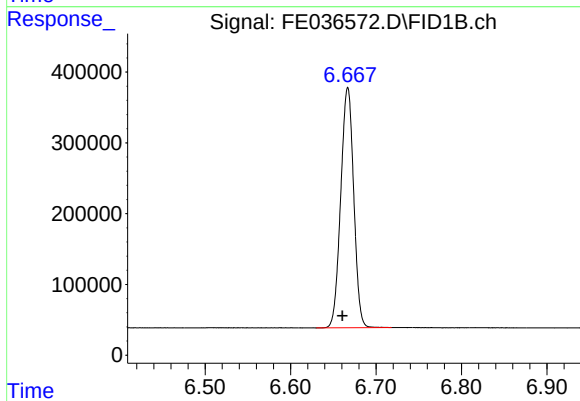
#2 n-Decane (C10)

R.T.: 4.497 min
Delta R.T.: 0.004 min
Response: 3508327
Conc: 22.76 ug/ml



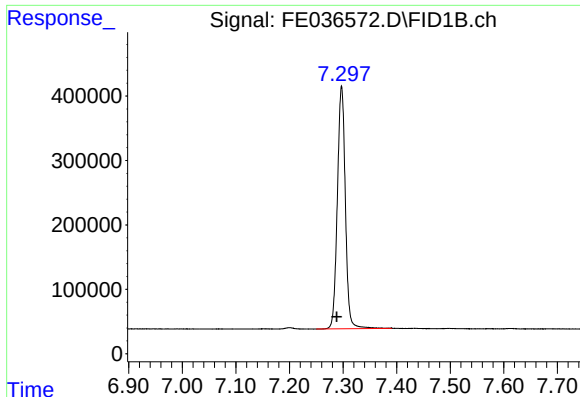
#3 A~Naphthalene (C11.7)

R.T.: 6.201 min
Delta R.T.: 0.007 min
Response: 3897094
Conc: 22.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: 0.006 min
Response: 3581623
Conc: 22.80 ug/ml



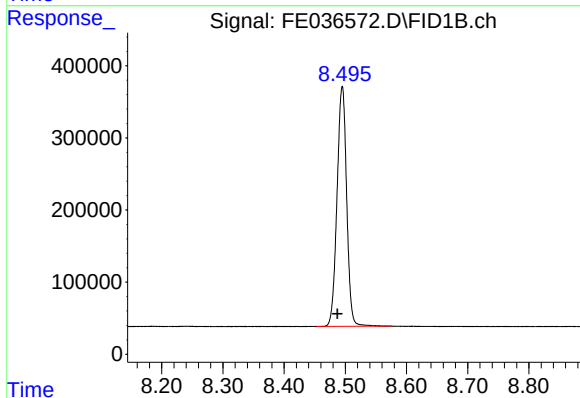
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: 0.009 min
Response: 3904823
Conc: 22.72 ug/ml

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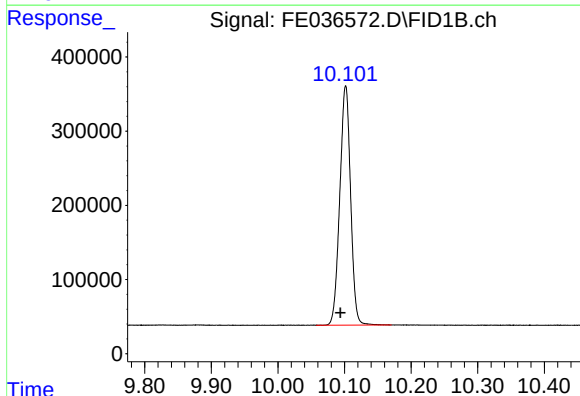
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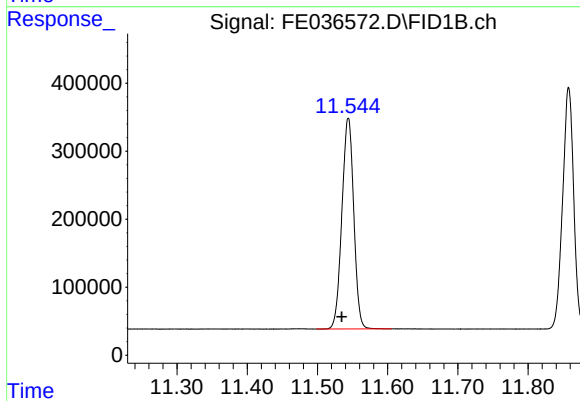
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: 0.008 min
Response: 3645393
Conc: 22.33 ug/ml



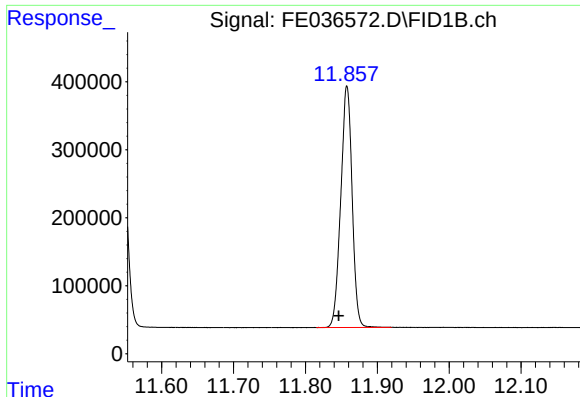
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: 0.008 min
Response: 3632617
Conc: 22.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.009 min
Response: 3639982
Conc: 21.42 ug/ml



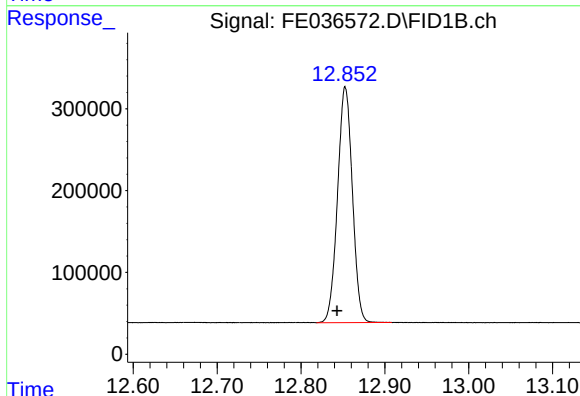
#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: 0.011 min
Response: 3894941
Conc: 20.91 ug/ml

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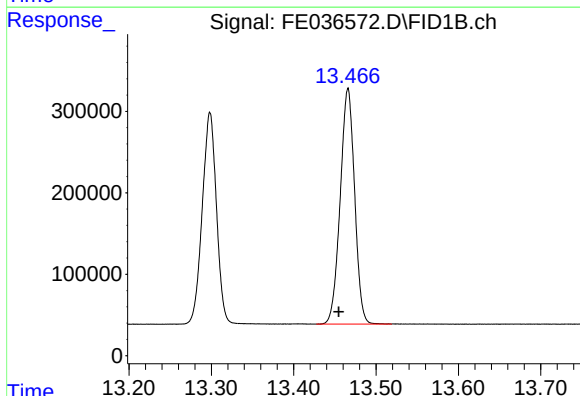
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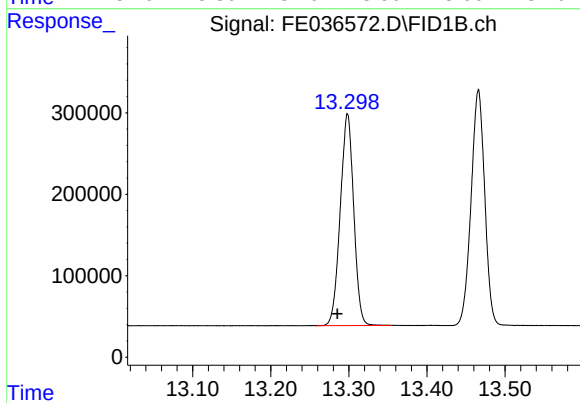
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: 0.010 min
Response: 3541834
Conc: 20.82 ug/ml



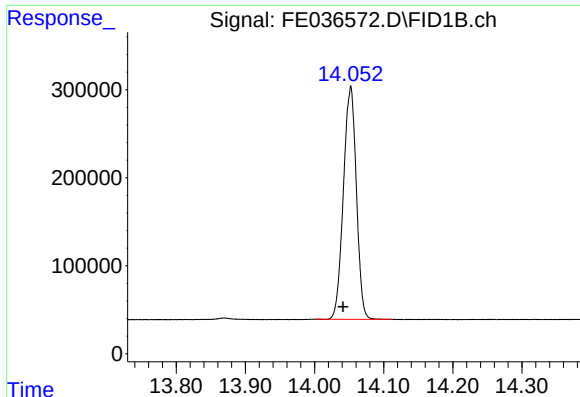
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: 0.011 min
Response: 3513709
Conc: 20.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.013 min
Response: 3116697
Conc: 20.49 ug/ml



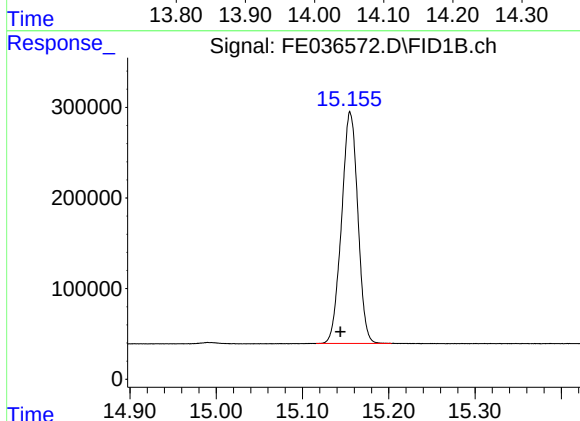
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: 0.011 min
Response: 3444952
Conc: 20.18 ug/ml

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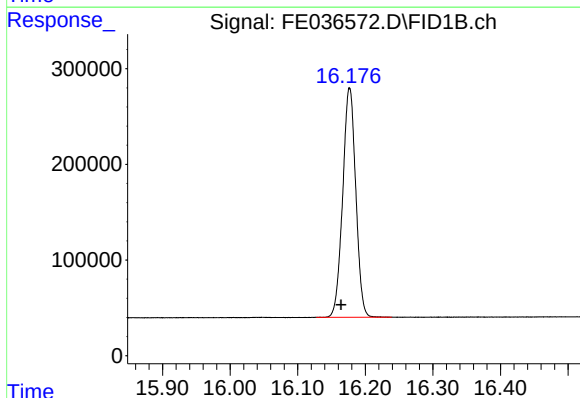
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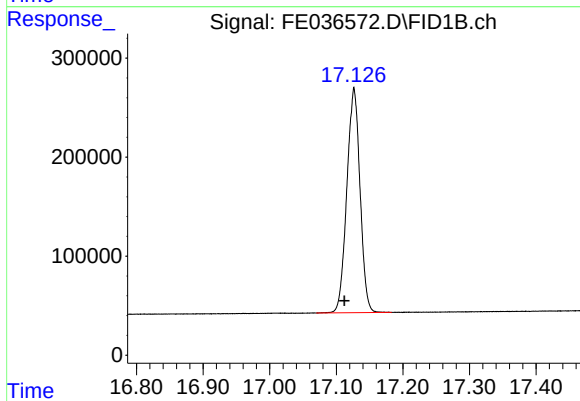
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.011 min
Response: 3349129
Conc: 19.65 ug/ml



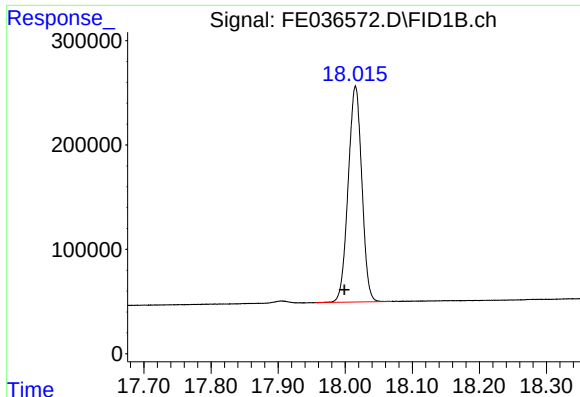
#15 n-Hexacosane (C26)

R.T.: 16.177 min
Delta R.T.: 0.013 min
Response: 3224985
Conc: 19.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.127 min
Delta R.T.: 0.015 min
Response: 3124071
Conc: 19.13 ug/ml



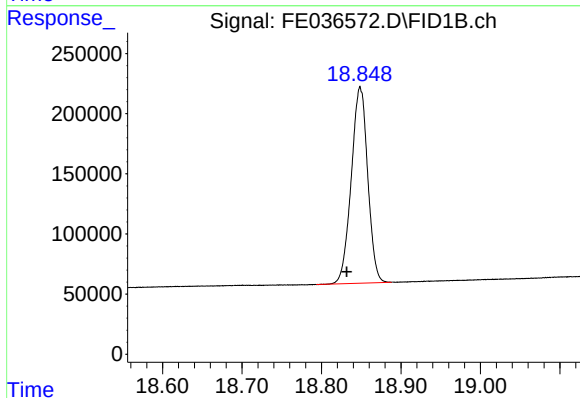
#17 n-Tricontane (C30)

R.T.: 18.015 min
Delta R.T.: 0.017 min
Response: 2926364
Conc: 19.26 ug/ml

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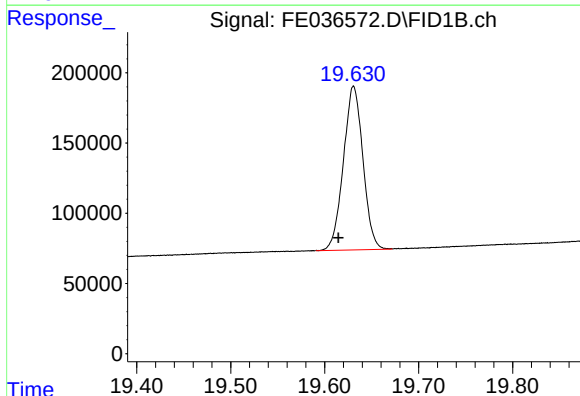
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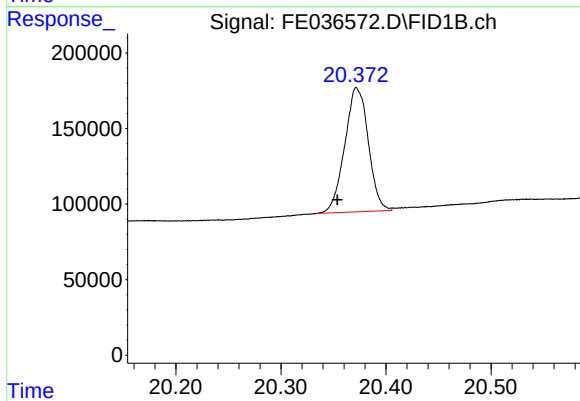
#18 n-Dotriacontane (C32)

R.T.: 18.849 min
Delta R.T.: 0.017 min
Response: 2345792
Conc: 19.50 ug/ml



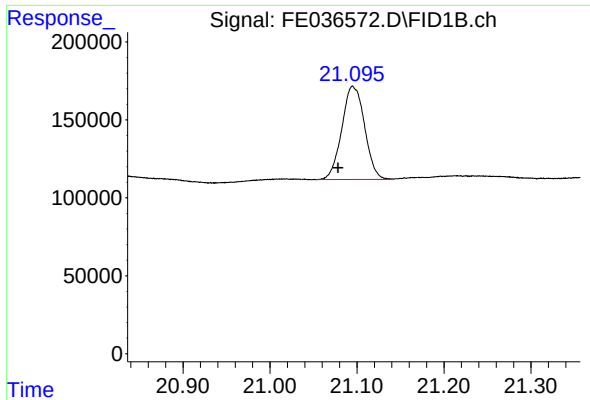
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: 0.016 min
Response: 1684861
Conc: 20.23 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: 0.018 min
Response: 1282460
Conc: 21.84 ug/ml m



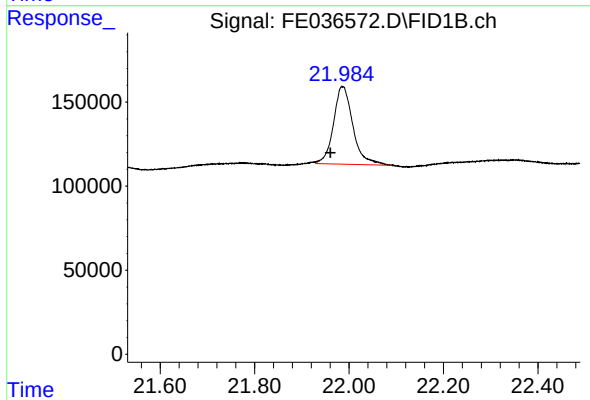
#21 n-Octatriacontane (C38)

R.T.: 21.095 min
Delta R.T.: 0.016 min
Response: 1087831
Conc: 21.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: 0.024 min
Response: 1321337
Conc: 25.59 ug/ml m