

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121223AL\
 Data File : FE045789.D
 Signal(s) : FID1B.ch
 Acq On : 13 Dec 2023 01:47
 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 12/13/2023
 Supervised By :Ankita Jodhani 12/13/2023

Integration File: autoint1.e
 Quant Time: Dec 13 03:32:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 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)	11.845	3814353	18.240 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
12) S 1-chlorooctadecane (S...	13.288	2821214	17.930 ug/ml
Spiked Amount 50.000		Recovery =	35.86%
Target Compounds			
1) T n-Nonane (C9)	3.236	3109422	19.608 ug/mlm
2) T n-Decane (C10)	4.487	3200016	19.983 ug/ml
3) T A~Naphthalene (C11.7)	6.187	3457313	19.847 ug/ml
4) T n-Dodecane (C12)	6.654	3226752	19.976 ug/ml
5) T A~2-methylnaphthalene...	7.282	3363137	19.804 ug/ml
6) T n-Tetradecane (C14)	8.480	3208471	20.000 ug/ml
7) T n-Hexadecane (C16)	10.089	3261679	19.697 ug/ml
8) T n-Octadecane (C18)	11.533	3273448	19.093 ug/ml
10) T n-Eicosane (C20)	12.843	3158124	18.253 ug/ml
11) T n-Heneicosane (C21)	13.457	3082434	17.918 ug/ml
13) T n-Docosane (C22)	14.045	3060329	17.749 ug/ml
14) T n-Tetracosane (C24)	15.148	3042244	17.426 ug/ml
15) T n-Hexacosane (C26)	16.172	2971776	17.064 ug/ml
16) T n-Octacosane (C28)	17.123	2975312	17.215 ug/ml
17) T n-Tricontane (C30)	18.013	3094756	17.690 ug/ml
18) T n-Dotriacontane (C32)	18.848	3115848	17.079 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2964821	17.868 ug/mlm
20) T n-Hexatriacontane (C36)	20.374	2811484	17.712 ug/ml
21) T n-Octatriacontane (C38)	21.105	2852887	18.192 ug/mlm
22) T n-Tetracontane (C40)	22.007	2982035	20.983 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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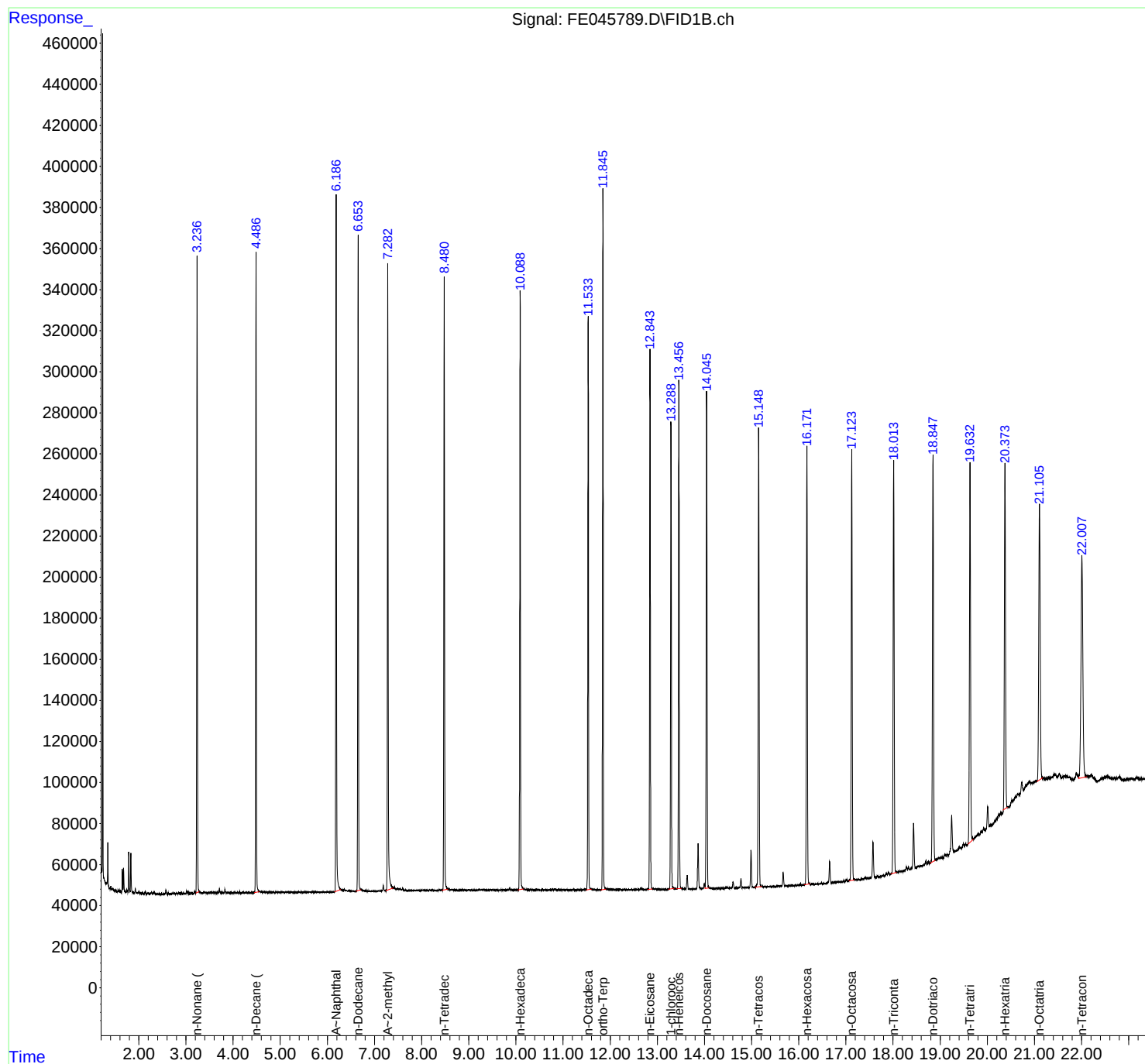
Instrument :
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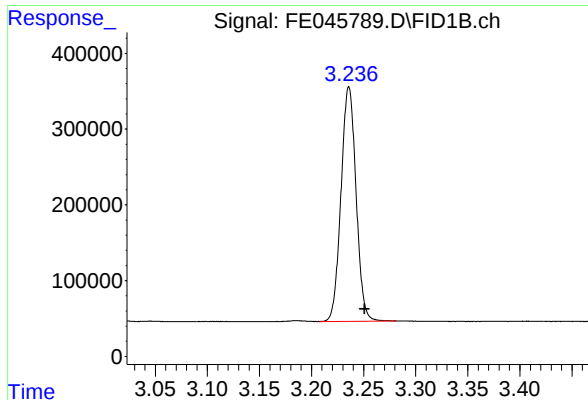
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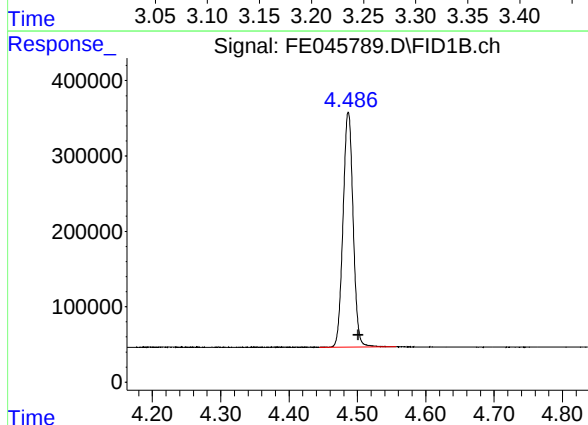
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.015 min
Response: 3109422
Conc: 19.61 ug/ml

Instrument :
FID_E
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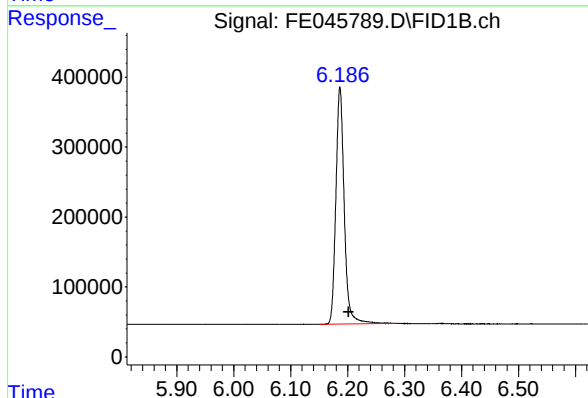
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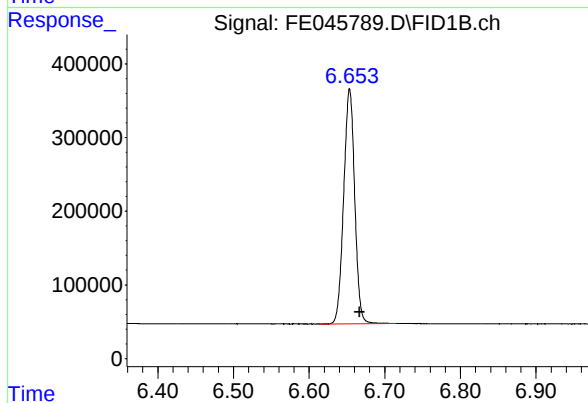
#2 n-Decane (C10)

R.T.: 4.487 min
Delta R.T.: -0.015 min
Response: 3200016
Conc: 19.98 ug/ml



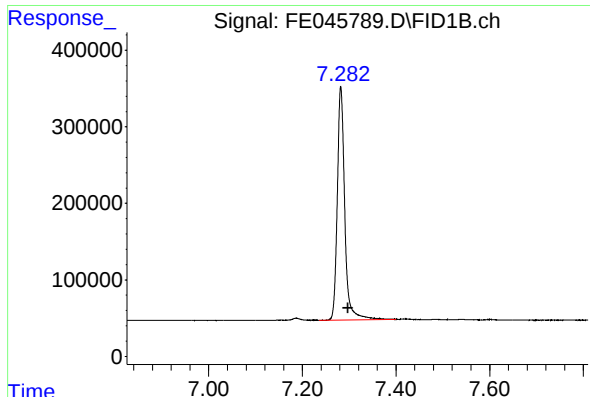
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.015 min
Response: 3457313
Conc: 19.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.654 min
Delta R.T.: -0.014 min
Response: 3226752
Conc: 19.98 ug/ml



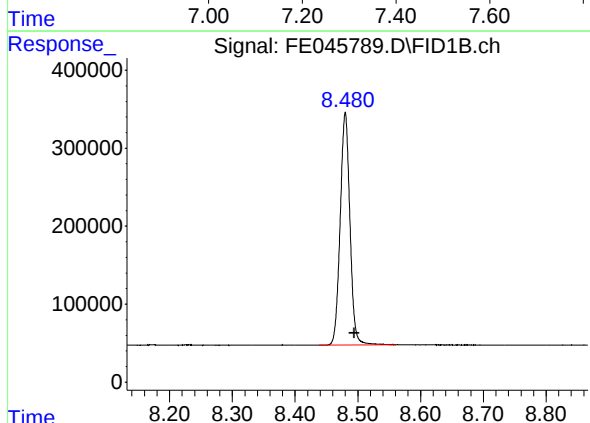
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.015 min
Response: 3363137
Conc: 19.80 ug/ml

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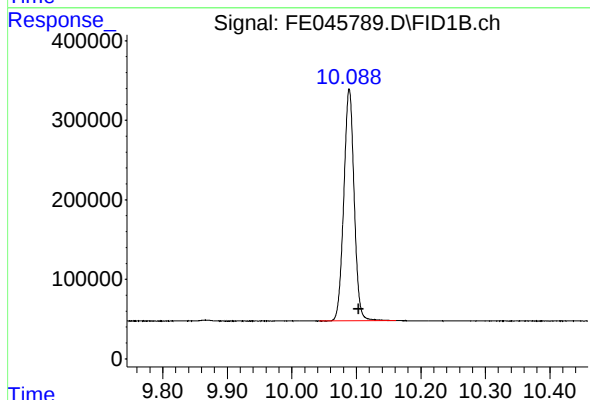
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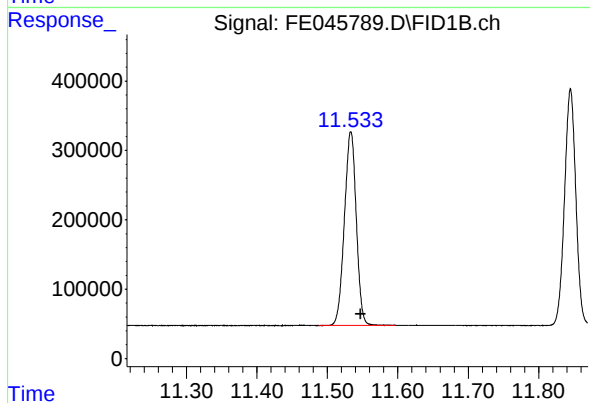
#6 n-Tetradecane (C14)

R.T.: 8.480 min
Delta R.T.: -0.014 min
Response: 3208471
Conc: 20.00 ug/ml



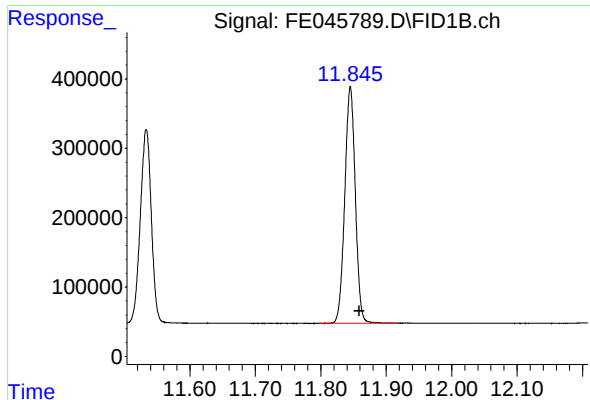
#7 n-Hexadecane (C16)

R.T.: 10.089 min
Delta R.T.: -0.015 min
Response: 3261679
Conc: 19.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.533 min
Delta R.T.: -0.014 min
Response: 3273448
Conc: 19.09 ug/ml



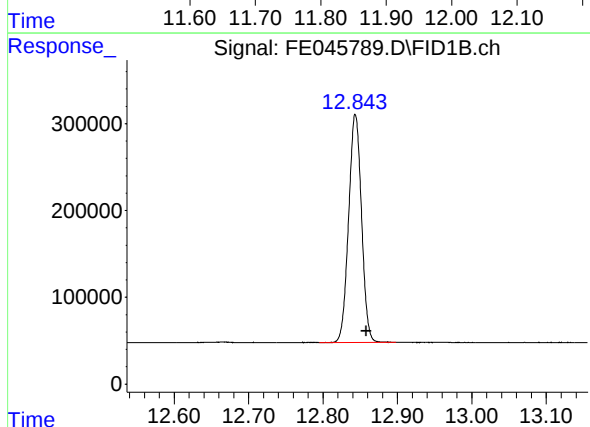
#9 ortho-Terphenyl (SURR)

R.T.: 11.845 min
Delta R.T.: -0.014 min
Response: 3814353
Conc: 18.24 ug/ml

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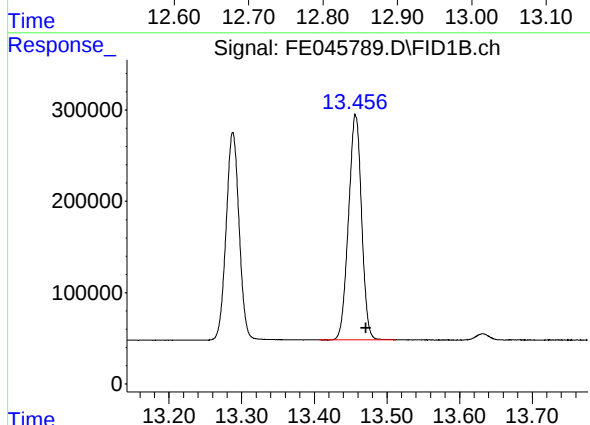
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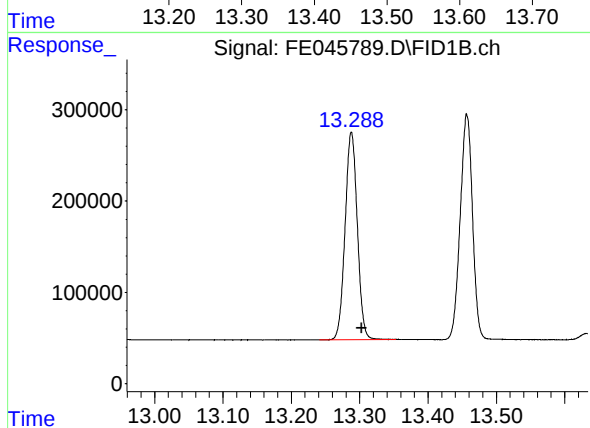
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.015 min
Response: 3158124
Conc: 18.25 ug/ml



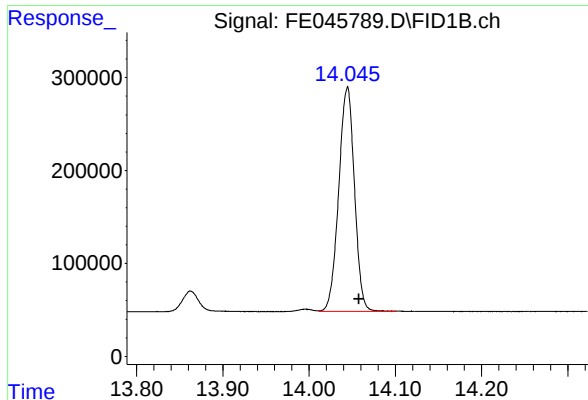
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.014 min
Response: 3082434
Conc: 17.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.015 min
Response: 2821214
Conc: 17.93 ug/ml



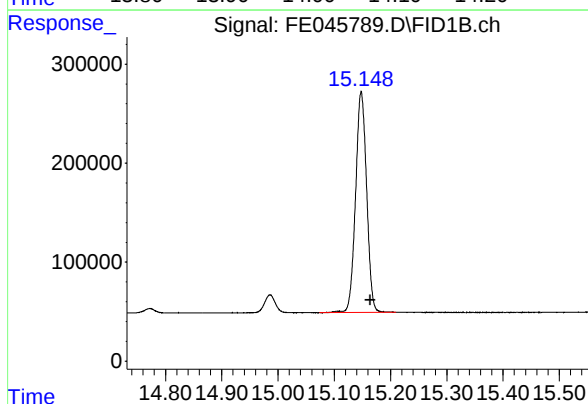
#13 n-Docosane (C22)

R.T.: 14.045 min
Delta R.T.: -0.014 min
Response: 3060329
Conc: 17.75 ug/ml

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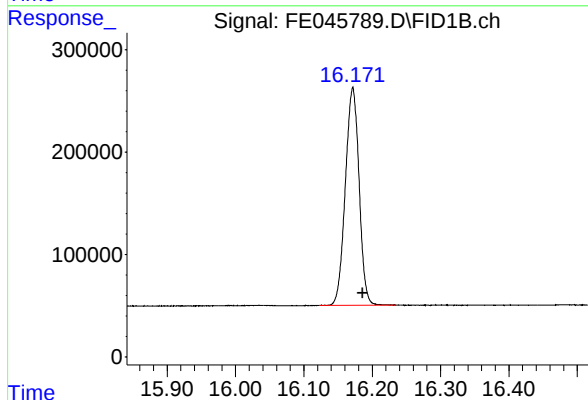
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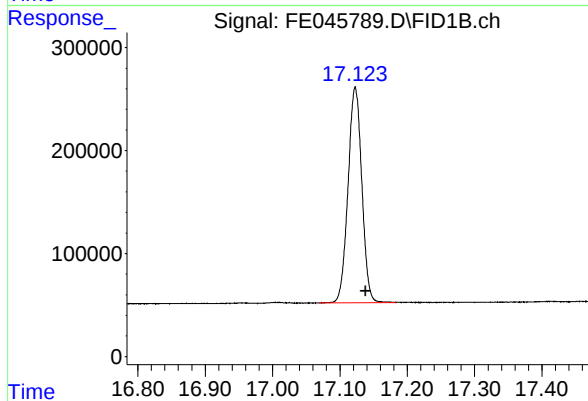
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.016 min
Response: 3042244
Conc: 17.43 ug/ml



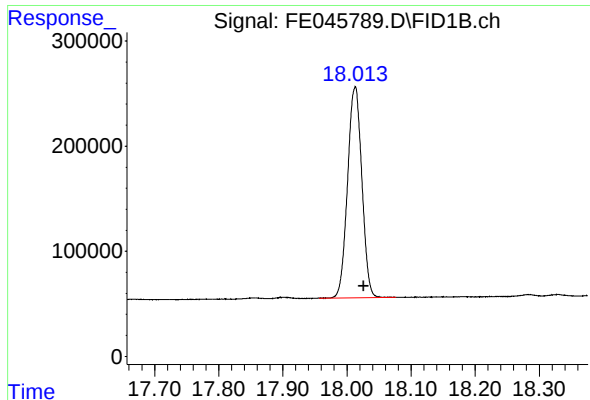
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.014 min
Response: 2971776
Conc: 17.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.016 min
Response: 2975312
Conc: 17.21 ug/ml



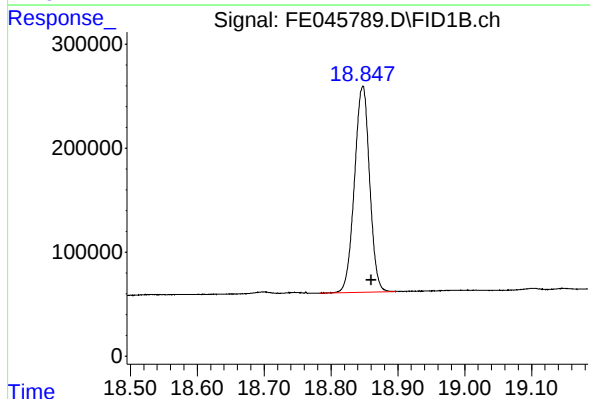
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.013 min
Response: 3094756
Conc: 17.69 ug/ml

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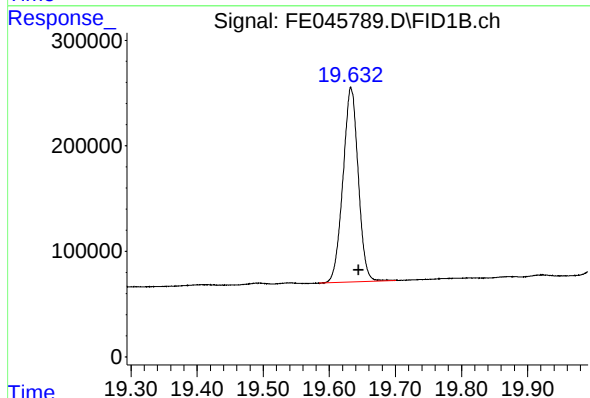
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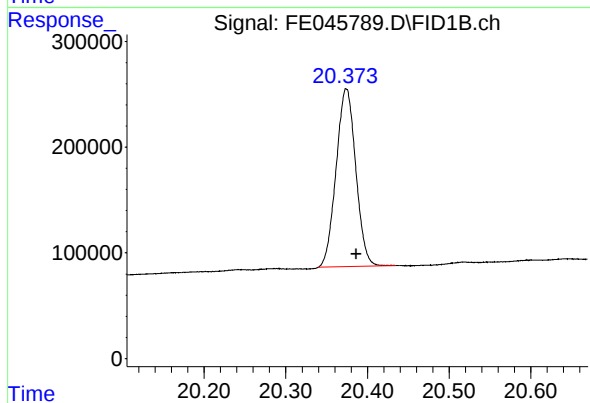
#18 n-Dotriacontane (C32)

R.T.: 18.848 min
Delta R.T.: -0.012 min
Response: 3115848
Conc: 17.08 ug/ml



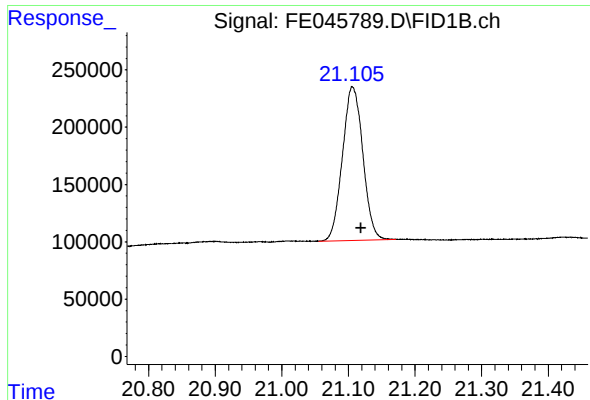
#19 n-Tetatriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.013 min
Response: 2964821
Conc: 17.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min
Delta R.T.: -0.012 min
Response: 2811484
Conc: 17.71 ug/ml



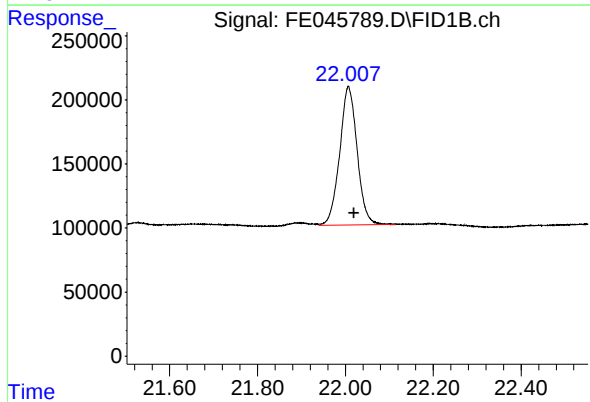
#21 n-Octatriacontane (C38)

R.T.: 21.105 min
Delta R.T.: -0.014 min
Response: 2852887
Conc: 18.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.007 min
Delta R.T.: -0.013 min
Response: 2982035
Conc: 20.98 ug/ml