

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071922AL\
 Data File : FE036586.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jul 2022 18:54
 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 20 02:55:03 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)	11.853	3870503	20.781 ug/ml
Spiked Amount 50.000		Recovery =	41.56%
12) S 1-chlorooctadecane (S...	13.292	3101834	20.387 ug/ml
Spiked Amount 50.000		Recovery =	40.77%
Target Compounds			
1) T n-Nonane (C9)	3.240	3427916	22.236 ug/ml
2) T n-Decane (C10)	4.495	3458886	22.439 ug/ml
3) T A~Naphthalene (C11.7)	6.197	3848255	22.519 ug/ml
4) T n-Dodecane (C12)	6.664	3527166	22.458 ug/ml
5) T A~2-methylnaphthalene...	7.292	3860236	22.460 ug/ml
6) T n-Tetradecane (C14)	8.491	3610879	22.118 ug/ml
7) T n-Hexadecane (C16)	10.098	3595022	21.811 ug/ml
8) T n-Octadecane (C18)	11.540	3619172	21.296 ug/ml
10) T n-Eicosane (C20)	12.849	3519229	20.689 ug/ml
11) T n-Heneicosane (C21)	13.462	3495461	20.423 ug/ml
13) T n-Docosane (C22)	14.048	3424070	20.055 ug/ml
14) T n-Tetracosane (C24)	15.151	3316905	19.458 ug/ml
15) T n-Hexacosane (C26)	16.172	3182121	19.033 ug/ml
16) T n-Octacosane (C28)	17.121	3076334	18.835 ug/ml
17) T n-Tricontane (C30)	18.010	2885268	18.987 ug/ml
18) T n-Dotriacontane (C32)	18.843	2331753	19.388 ug/ml
19) T n-Tetratriacontane (C34)	19.626	1669096	20.043 ug/ml
20) T n-Hexatriacontane (C36)	20.367	1245233	21.207 ug/mlm
21) T n-Octatriacontane (C38)	21.092	1078736	21.515 ug/mlm
22) T n-Tetracontane (C40)	21.979	1093629	21.177 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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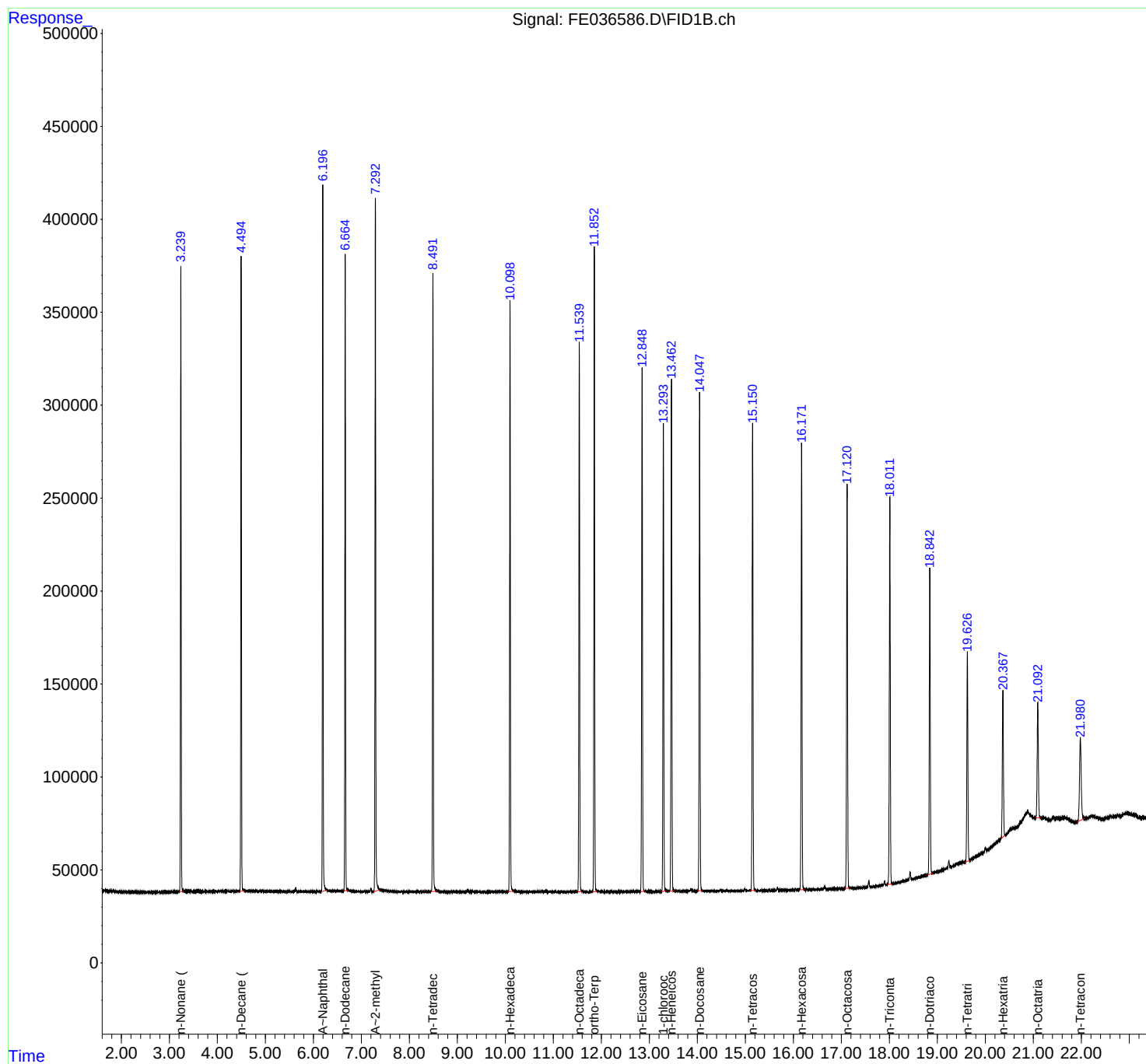
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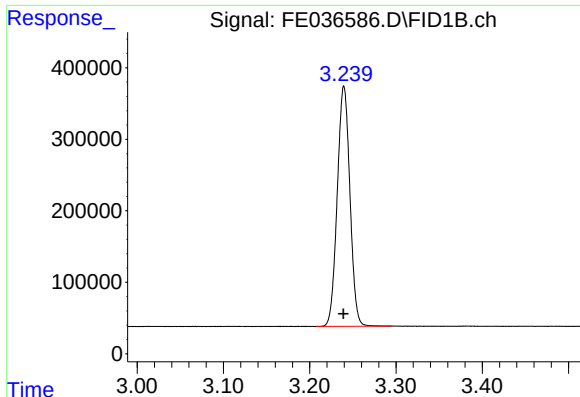
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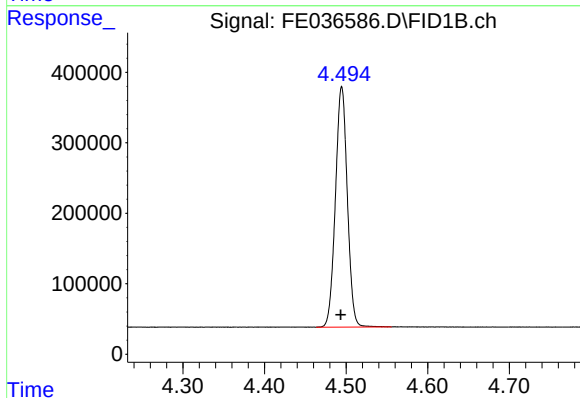
#1 n-Nonane (C9)

R.T.: 3.240 min
Delta R.T.: 0.000 min
Response: 3427916
Conc: 22.24 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

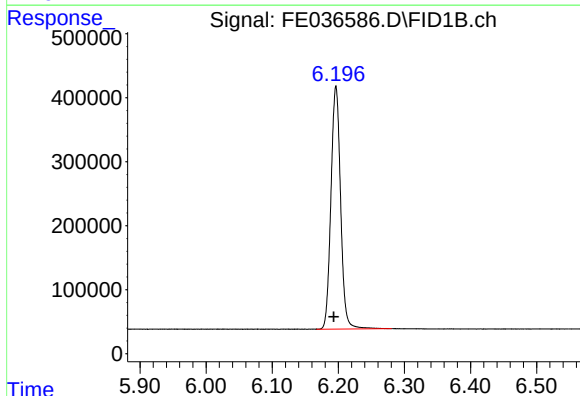
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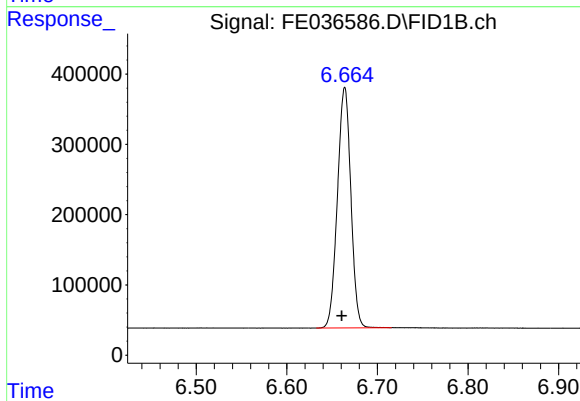
#2 n-Decane (C10)

R.T.: 4.495 min
Delta R.T.: 0.001 min
Response: 3458886
Conc: 22.44 ug/ml



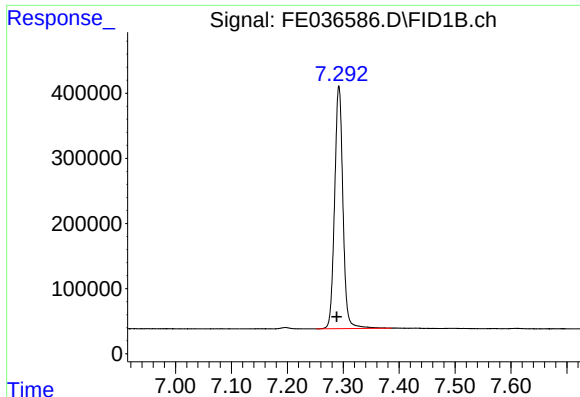
#3 A~Naphthalene (C11.7)

R.T.: 6.197 min
Delta R.T.: 0.003 min
Response: 3848255
Conc: 22.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.664 min
Delta R.T.: 0.003 min
Response: 3527166
Conc: 22.46 ug/ml



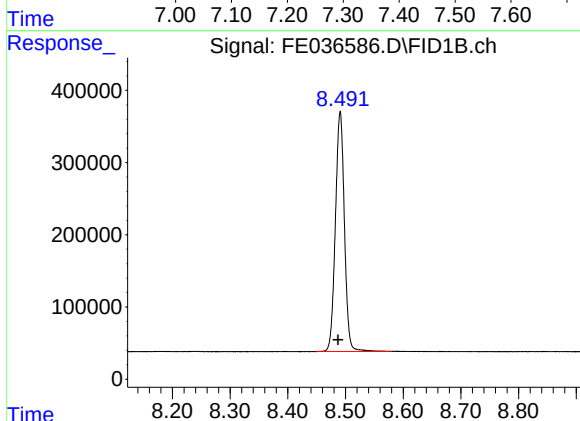
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.292 min
Delta R.T.: 0.004 min
Response: 3860236
Conc: 22.46 ug/ml

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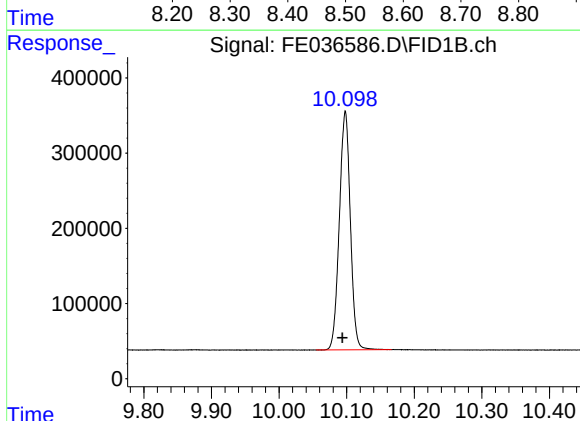
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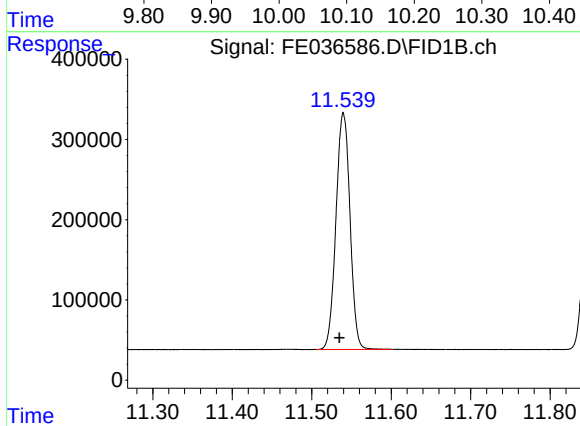
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: 0.004 min
Response: 3610879
Conc: 22.12 ug/ml



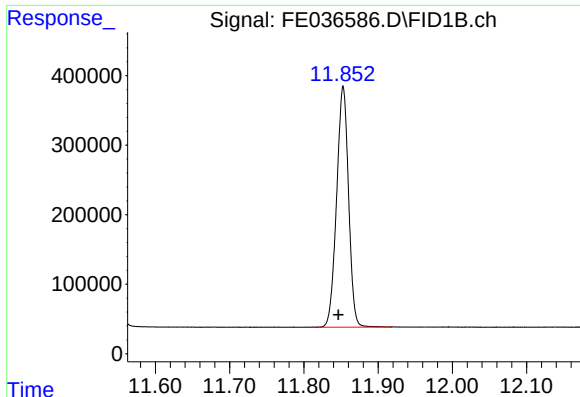
#7 n-Hexadecane (C16)

R.T.: 10.098 min
Delta R.T.: 0.004 min
Response: 3595022
Conc: 21.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: 0.005 min
Response: 3619172
Conc: 21.30 ug/ml



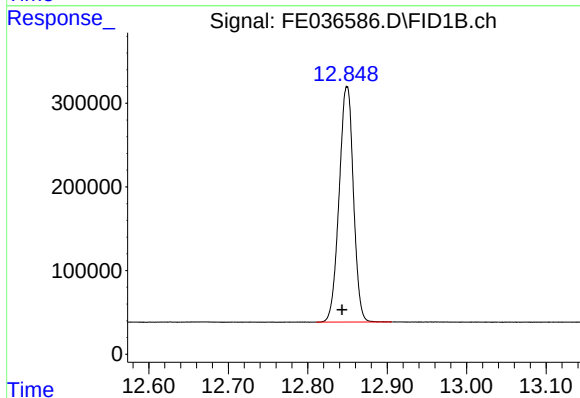
#9 ortho-Terphenyl (SURR)

R.T.: 11.853 min
Delta R.T.: 0.006 min
Response: 3870503
Conc: 20.78 ug/ml

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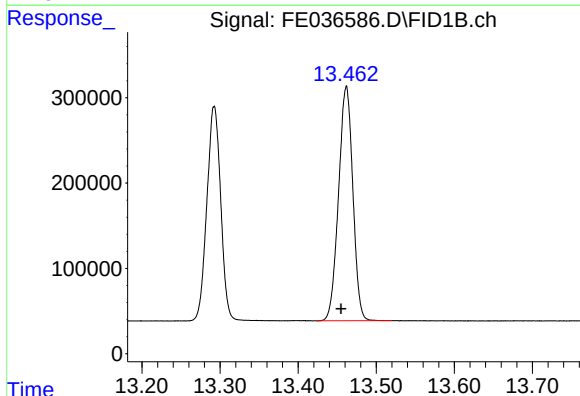
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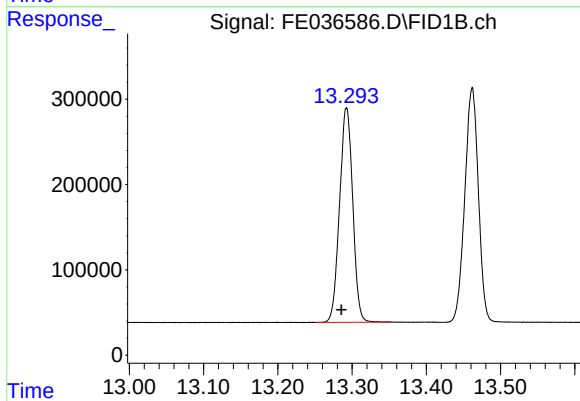
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.006 min
Response: 3519229
Conc: 20.69 ug/ml



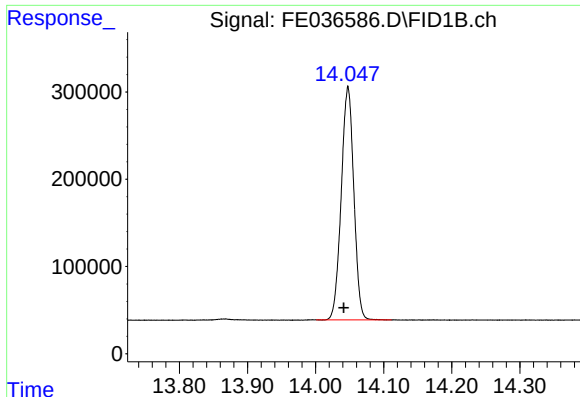
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.007 min
Response: 3495461
Conc: 20.42 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.292 min
Delta R.T.: 0.007 min
Response: 3101834
Conc: 20.39 ug/ml



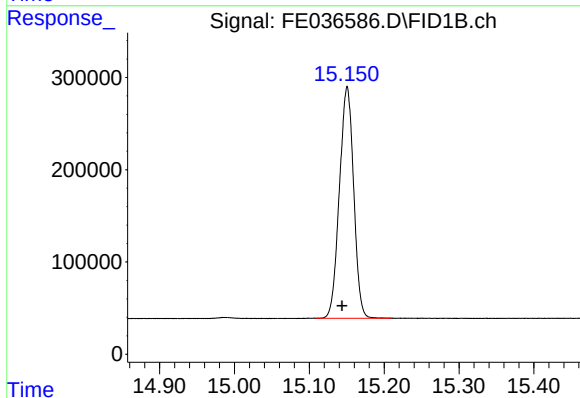
#13 n-Docosane (C22)

R.T.: 14.048 min
Delta R.T.: 0.007 min
Response: 3424070
Conc: 20.05 ug/ml

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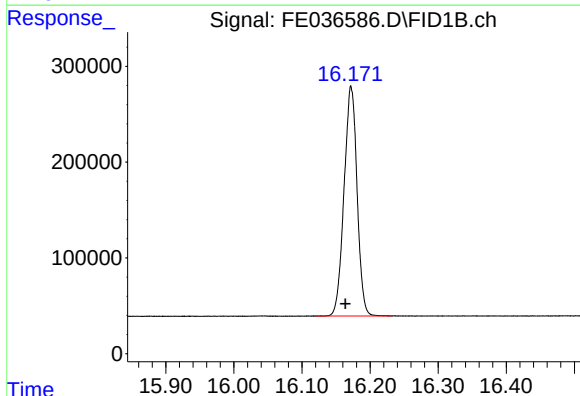
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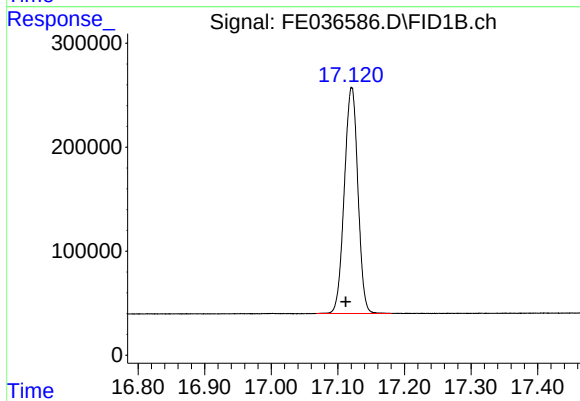
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.007 min
Response: 3316905
Conc: 19.46 ug/ml



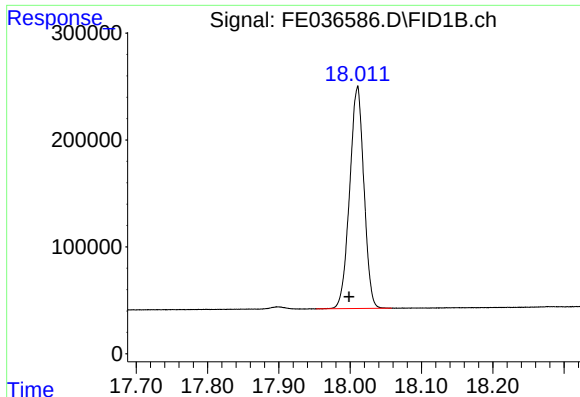
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: 0.008 min
Response: 3182121
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min
Delta R.T.: 0.009 min
Response: 3076334
Conc: 18.84 ug/ml



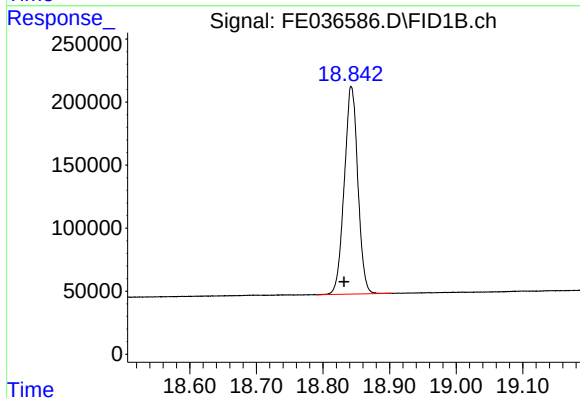
#17 n-Tricontane (C30)

R.T.: 18.010 min
Delta R.T.: 0.012 min
Response: 2885268
Conc: 18.99 ug/ml

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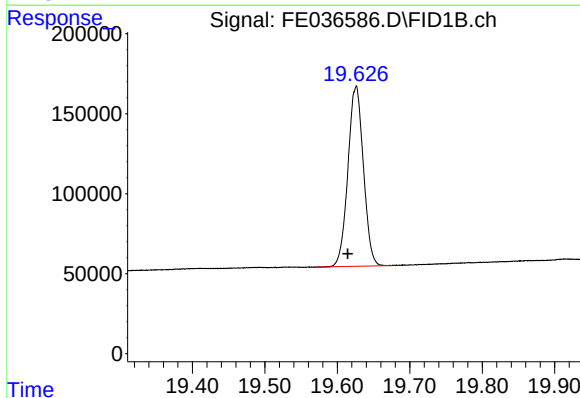
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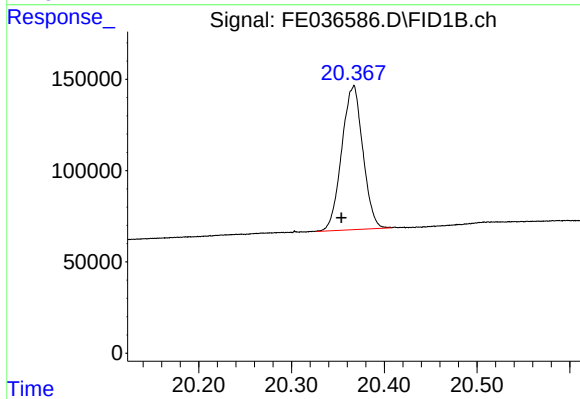
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: 0.011 min
Response: 2331753
Conc: 19.39 ug/ml



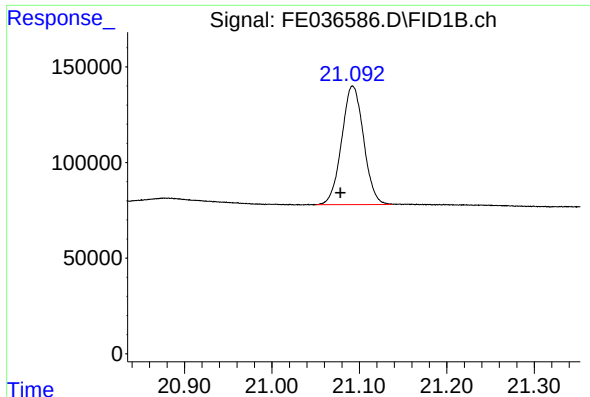
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: 0.011 min
Response: 1669096
Conc: 20.04 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.367 min
Delta R.T.: 0.013 min
Response: 1245233
Conc: 21.21 ug/ml m



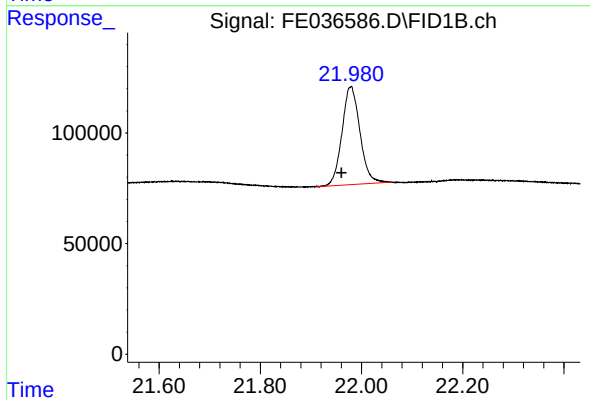
#21 n-Octatriacontane (C38)

R.T.: 21.092 min
Delta R.T.: 0.014 min
Response: 1078736
Conc: 21.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.979 min
Delta R.T.: 0.019 min
Response: 1093629
Conc: 21.18 ug/ml