

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081022AL\
 Data File : FE036980.D
 Signal(s) : FID1B.ch
 Acq On : 10 Aug 2022 11:49
 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

08/10/2022
 Supervised By :Ankita
 Jodhani

08/11/2022

Integration File: sample.E
 Quant Time: Aug 10 12:13:06 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)	11.833	3498606	18.785 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
12) S 1-chlorooctadecane (S...	13.273	2741317	18.018 ug/ml
Spiked Amount 50.000		Recovery =	36.04%
Target Compounds			
1) T n-Nonane (C9)	3.220	3202361	20.773 ug/ml
2) T n-Decane (C10)	4.475	3270386	21.216 ug/ml
3) T A~Naphthalene (C11.7)	6.179	3551968	20.786 ug/ml
4) T n-Dodecane (C12)	6.644	3326551	21.181 ug/ml
5) T A~2-methylnaphthalene...	7.275	3518811	20.474 ug/ml
6) T n-Tetradecane (C14)	8.472	3347987	20.507 ug/ml
7) T n-Hexadecane (C16)	10.078	3281774	19.911 ug/ml
8) T n-Octadecane (C18)	11.520	3249614	19.121 ug/ml
10) T n-Eicosane (C20)	12.829	3137193	18.443 ug/ml
11) T n-Heneicosane (C21)	13.440	3105216	18.143 ug/ml
13) T n-Docosane (C22)	14.027	3044531	17.832 ug/ml
14) T n-Tetracosane (C24)	15.131	3009422	17.654 ug/ml
15) T n-Hexacosane (C26)	16.153	2906670	17.386 ug/ml
16) T n-Octacosane (C28)	17.105	2891864	17.706 ug/ml
17) T n-Tricontane (C30)	17.993	2842791	18.708 ug/ml
18) T n-Dotriacontane (C32)	18.825	2407508	20.018 ug/ml
19) T n-Tetratriacontane (C34)	19.608	1814189	21.785 ug/mlm
20) T n-Hexatriacontane (C36)	20.350	1388035	23.639 ug/mlm
21) T n-Octatriacontane (C38)	21.074	1218330	24.300 ug/mlm
22) T n-Tetracontane (C40)	21.955	1181985	22.888 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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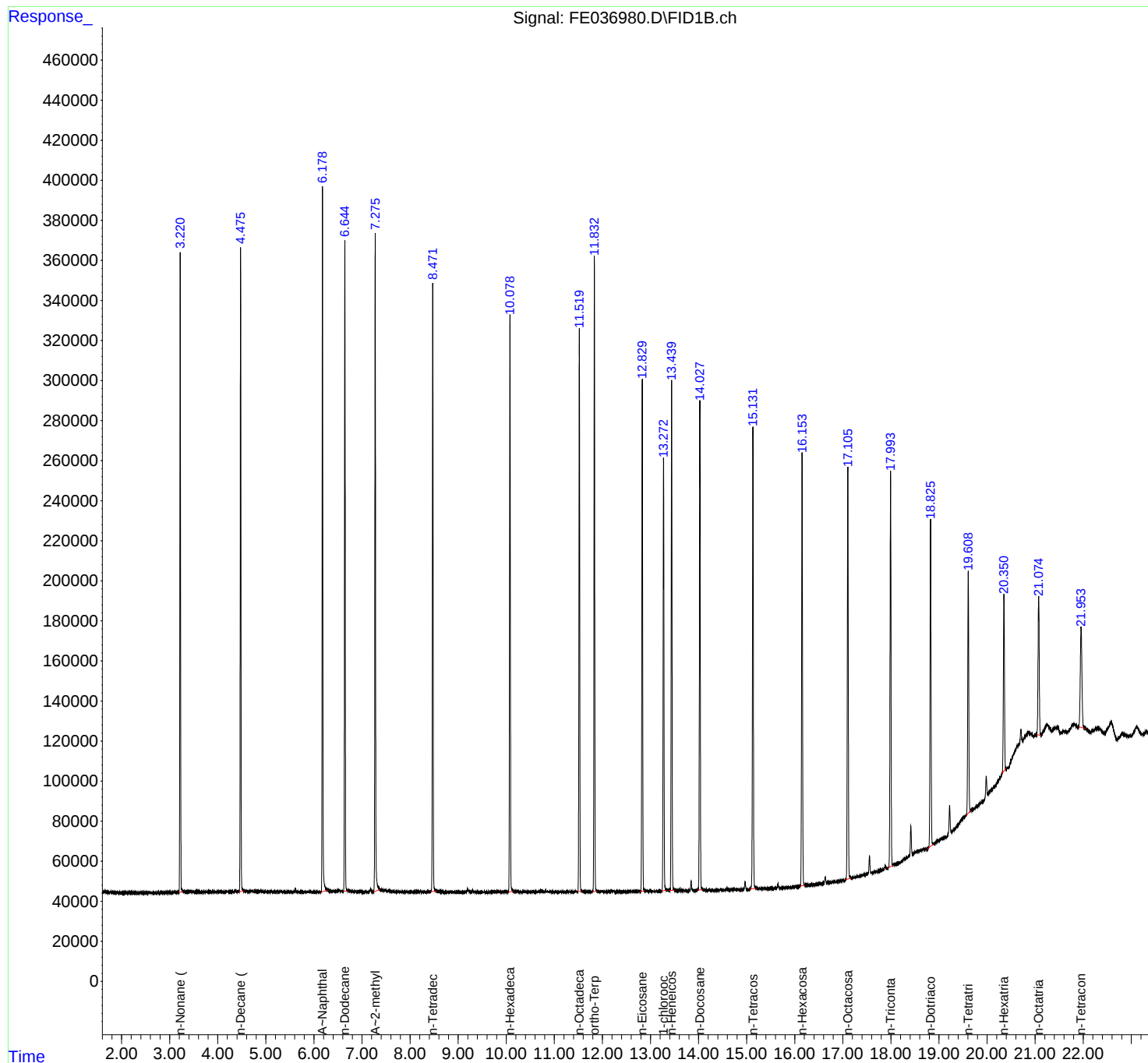
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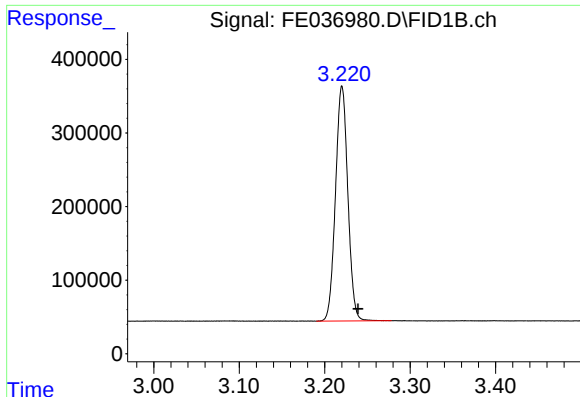
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#1 n-Nonane (C9)

R.T.: 3.220 min
Delta R.T.: -0.019 min
Response: 3202361
Conc: 20.77 ug/ml

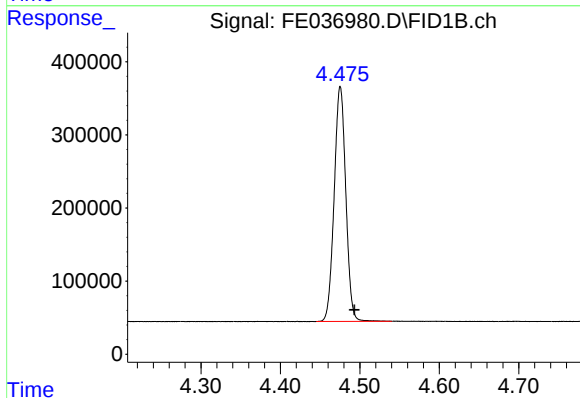
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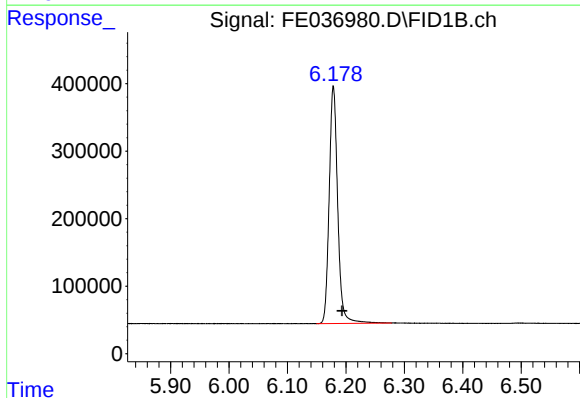
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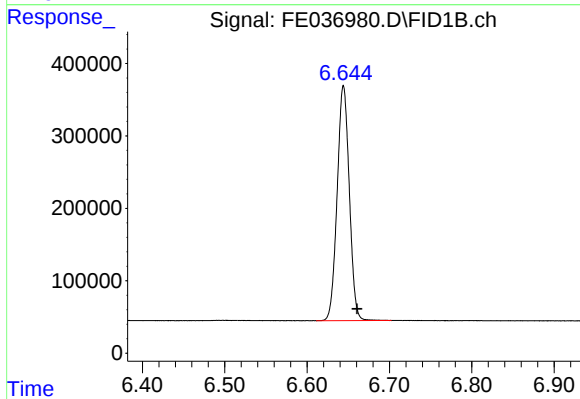
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.018 min
Response: 3270386
Conc: 21.22 ug/ml



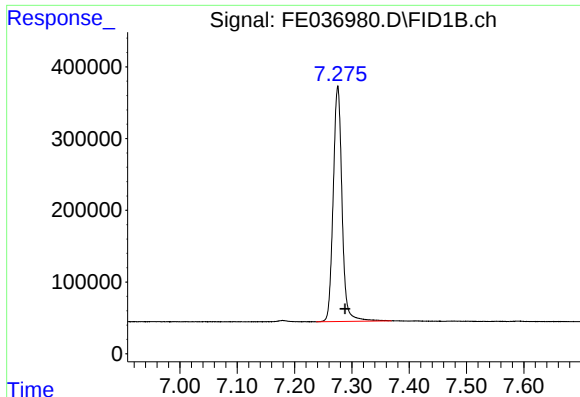
#3 A~Naphthalene (C11.7)

R.T.: 6.179 min
Delta R.T.: -0.015 min
Response: 3551968
Conc: 20.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.644 min
Delta R.T.: -0.016 min
Response: 3326551
Conc: 21.18 ug/ml



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

R.T.: 7.275 min
Delta R.T.: -0.013 min
Response: 3518811
Conc: 20.47 ug/ml

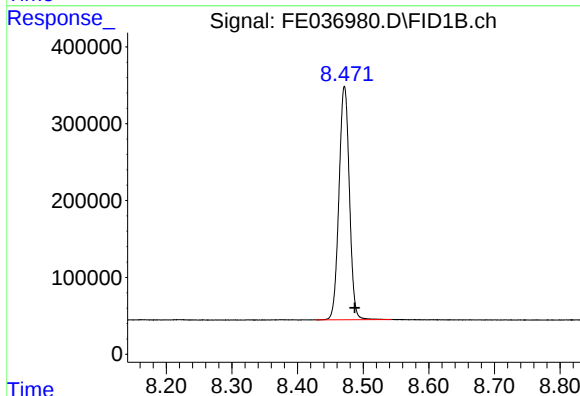
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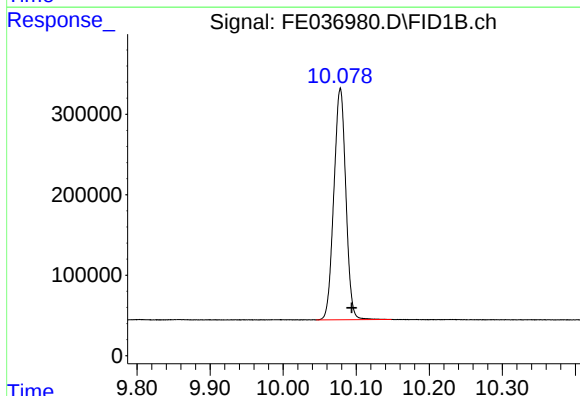
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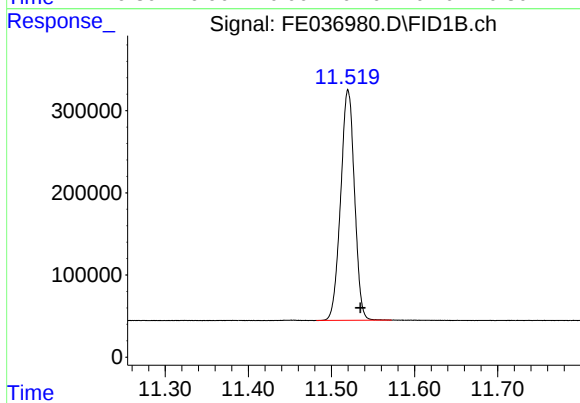
#6 n-Tetradecane (C14)

R.T.: 8.472 min
Delta R.T.: -0.016 min
Response: 3347987
Conc: 20.51 ug/ml



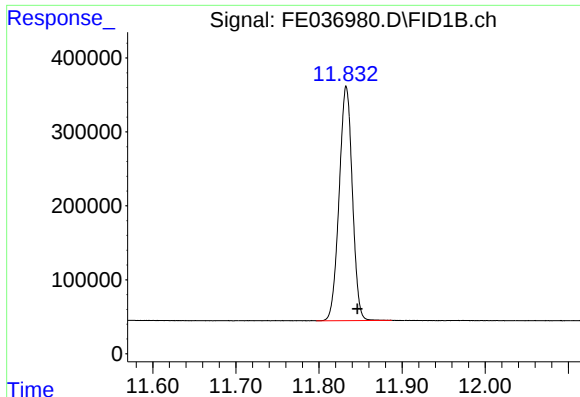
#7 n-Hexadecane (C16)

R.T.: 10.078 min
Delta R.T.: -0.015 min
Response: 3281774
Conc: 19.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.520 min
Delta R.T.: -0.015 min
Response: 3249614
Conc: 19.12 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.833 min
Delta R.T.: -0.014 min
Response: 3498606
Conc: 18.78 ug/ml

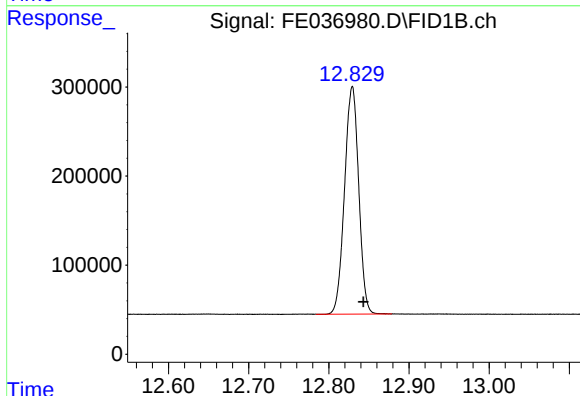
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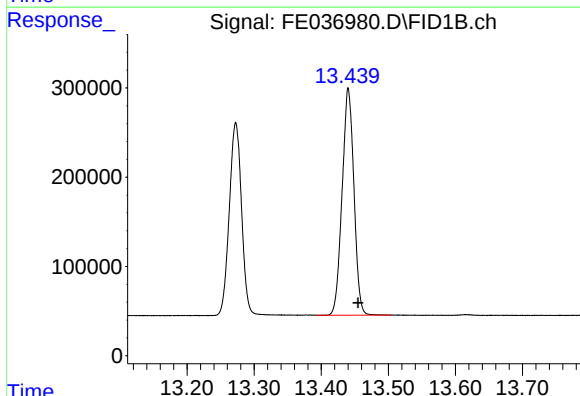
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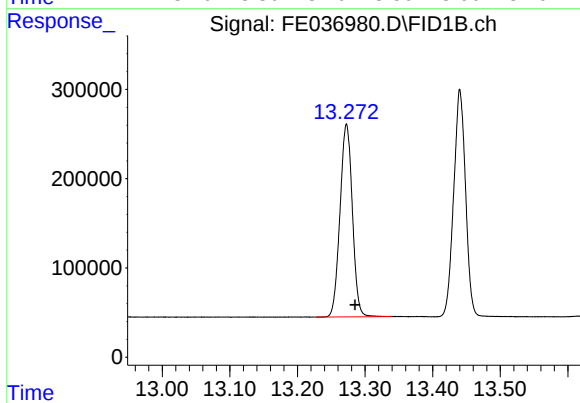
#10 n-Eicosane (C20)

R.T.: 12.829 min
Delta R.T.: -0.014 min
Response: 3137193
Conc: 18.44 ug/ml



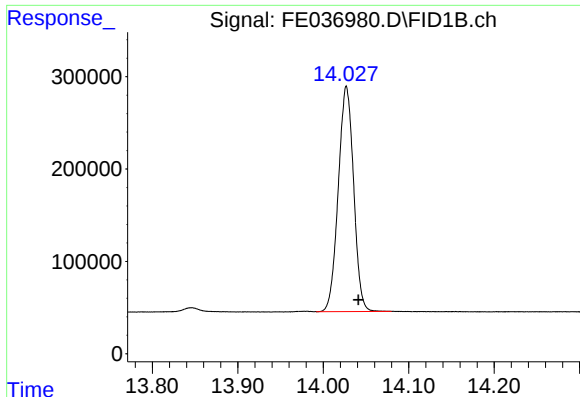
#11 n-Heneicosane (C21)

R.T.: 13.440 min
Delta R.T.: -0.015 min
Response: 3105216
Conc: 18.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.273 min
Delta R.T.: -0.013 min
Response: 2741317
Conc: 18.02 ug/ml



#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.014 min
Response: 3044531
Conc: 17.83 ug/ml

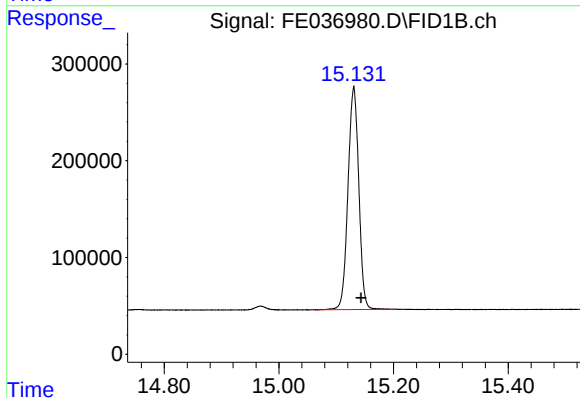
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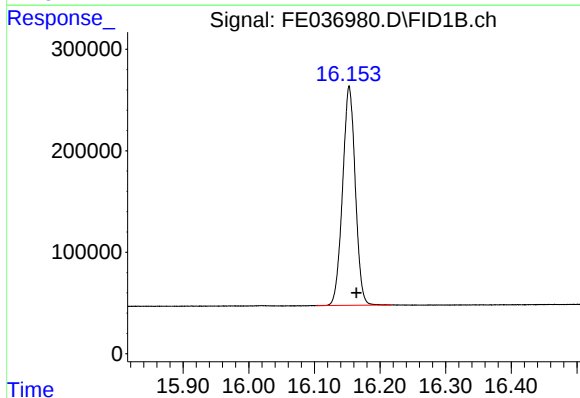
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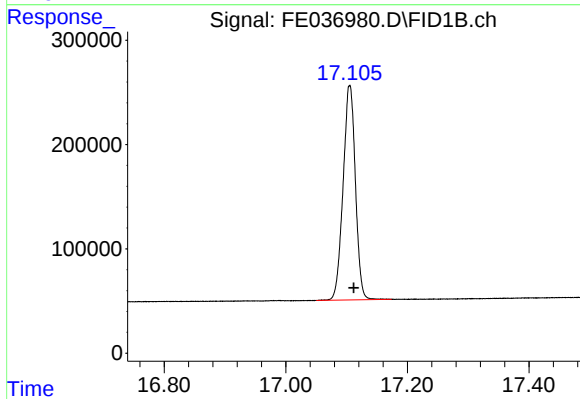
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.013 min
Response: 3009422
Conc: 17.65 ug/ml



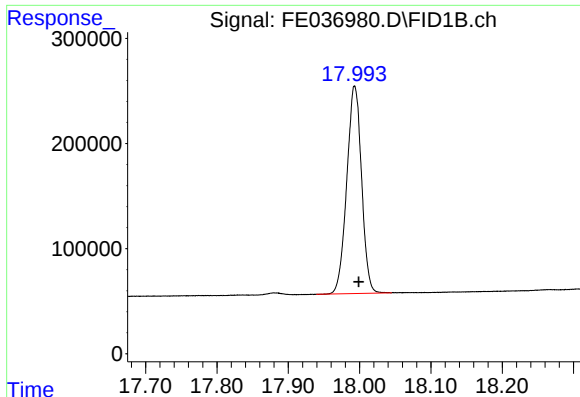
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.011 min
Response: 2906670
Conc: 17.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.007 min
Response: 2891864
Conc: 17.71 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.006 min
Response: 2842791
Conc: 18.71 ug/ml

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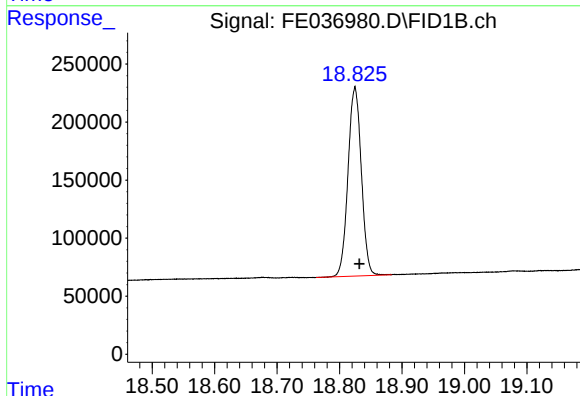
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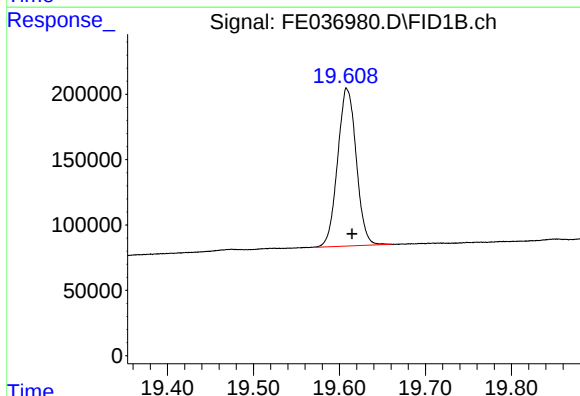
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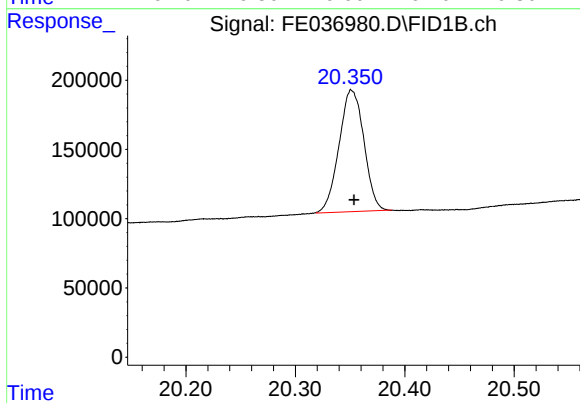
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.007 min
Response: 2407508
Conc: 20.02 ug/ml



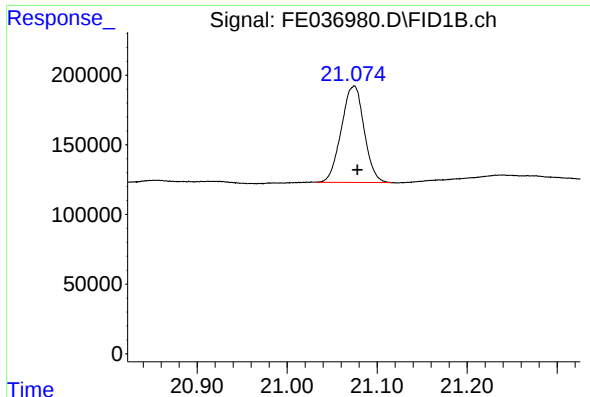
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.007 min
Response: 1814189
Conc: 21.79 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.350 min
Delta R.T.: -0.003 min
Response: 1388035
Conc: 23.64 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.004 min
Response: 1218330
Conc: 24.30 ug/ml

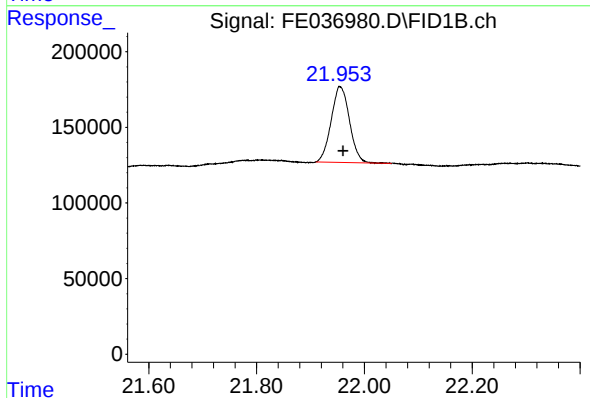
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#22 n-Tetracontane (C40)

R.T.: 21.955 min
Delta R.T.: -0.005 min
Response: 1181985
Conc: 22.89 ug/ml