

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032323AL\
 Data File : FE040970.D
 Signal(s) : FID1B.ch
 Acq On : 23 Mar 2023 12:00
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/24/2023
 Supervised By :Ankita Jodhani 03/24/2023

Integration File: autoint1.e
 Quant Time: Mar 24 02:54:01 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 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)	11.866	3564452	19.080 ug/ml
Spiked Amount 50.000		Recovery =	38.16%
12) S 1-chlorooctadecane (S...	13.303	2756958	18.628 ug/ml
Spiked Amount 50.000		Recovery =	37.26%
Target Compounds			
1) T n-Nonane (C9)	3.263	3188179	20.719 ug/ml
2) T n-Decane (C10)	4.510	3170266	21.072 ug/ml
3) T A~Naphthalene (C11.7)	6.213	3457031	20.842 ug/ml
4) T n-Dodecane (C12)	6.674	3231489	21.109 ug/ml
5) T A~2-methylnaphthalene...	7.309	3132272	20.696 ug/ml
6) T n-Tetradecane (C14)	8.501	3254297	21.056 ug/ml
7) T n-Hexadecane (C16)	10.108	3345158	20.710 ug/ml
8) T n-Octadecane (C18)	11.550	3405183	20.055 ug/ml
10) T n-Eicosane (C20)	12.859	3271756	19.340 ug/ml
11) T n-Heneicosane (C21)	13.471	3246504	18.946 ug/ml
13) T n-Docosane (C22)	14.058	3192348	18.635 ug/ml
14) T n-Tetracosane (C24)	15.161	3110477	18.043 ug/ml
15) T n-Hexacosane (C26)	16.182	2973857	17.497 ug/ml
16) T n-Octacosane (C28)	17.134	2922701	17.428 ug/ml
17) T n-Tricontane (C30)	18.022	2915353	17.855 ug/ml
18) T n-Dotriacontane (C32)	18.856	2963631	17.316 ug/ml
19) T n-Tetratriacontane (C34)	19.641	2912600	18.839 ug/ml
20) T n-Hexatriacontane (C36)	20.381	2722598	18.740 ug/mlm
21) T n-Octatriacontane (C38)	21.110	2809792	20.441 ug/ml
22) T n-Tetracontane (C40)	21.998	2877797	18.624 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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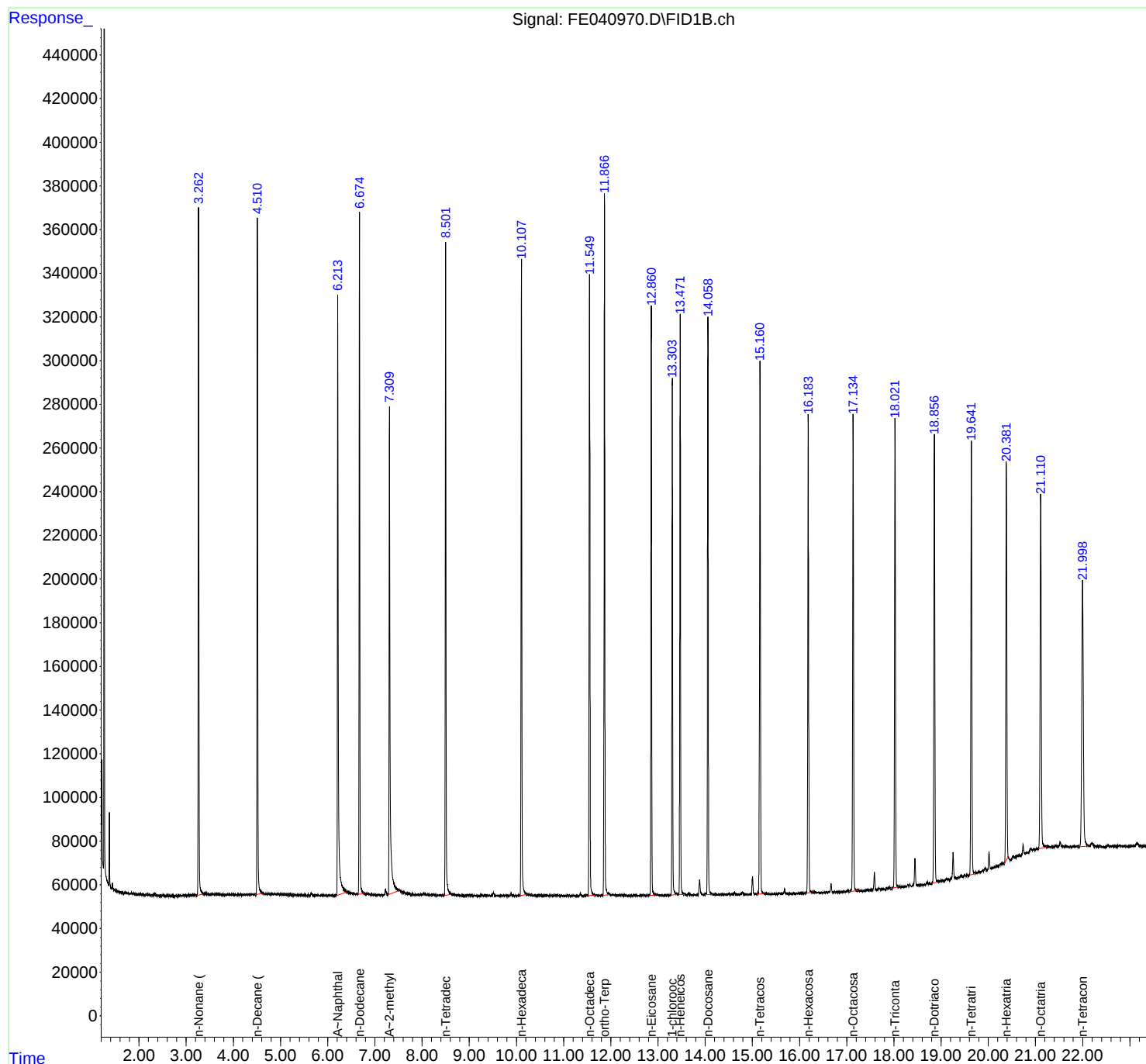
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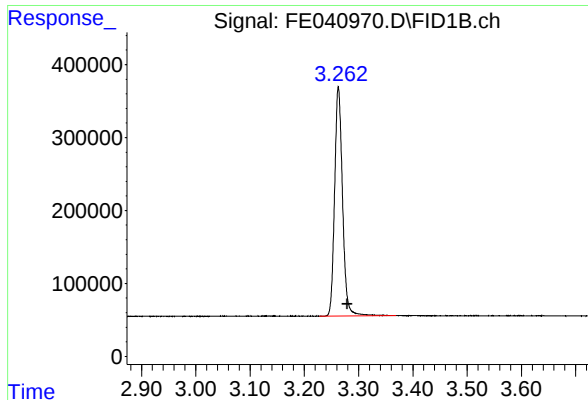
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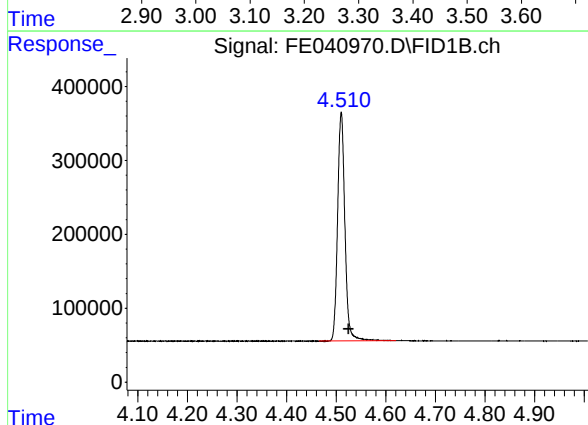
#1 n-Nonane (C9)

R.T.: 3.263 min
Delta R.T.: -0.016 min
Response: 3188179
Conc: 20.72 ug/ml

Instrument :
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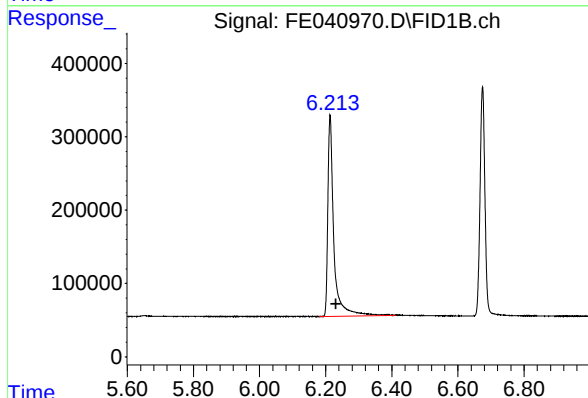
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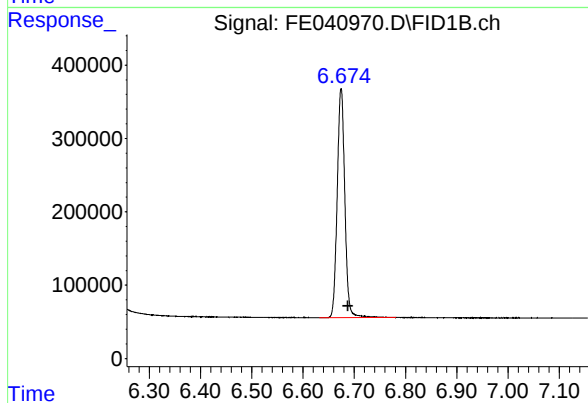
#2 n-Decane (C10)

R.T.: 4.510 min
Delta R.T.: -0.015 min
Response: 3170266
Conc: 21.07 ug/ml



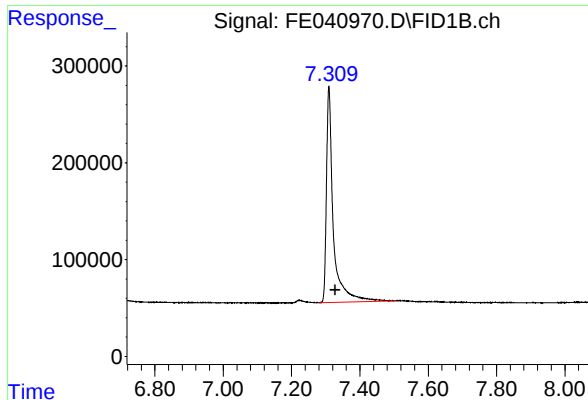
#3 A~Naphthalene (C11.7)

R.T.: 6.213 min
Delta R.T.: -0.018 min
Response: 3457031
Conc: 20.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.013 min
Response: 3231489
Conc: 21.11 ug/ml



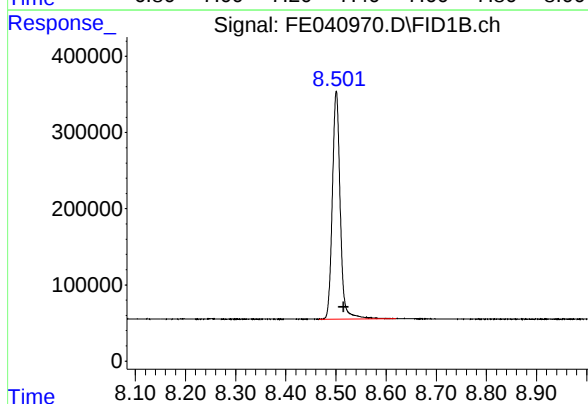
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.309 min
Delta R.T.: -0.019 min
Response: 3132272
Conc: 20.70 ug/ml

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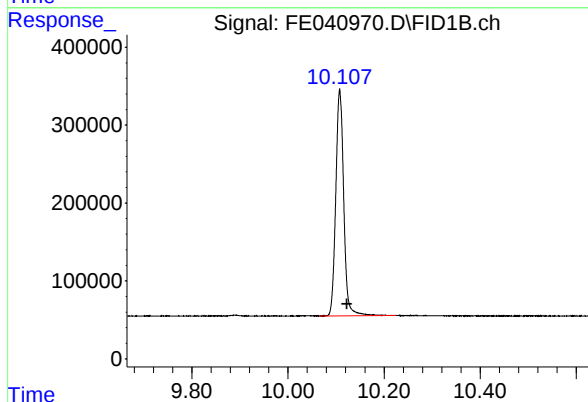
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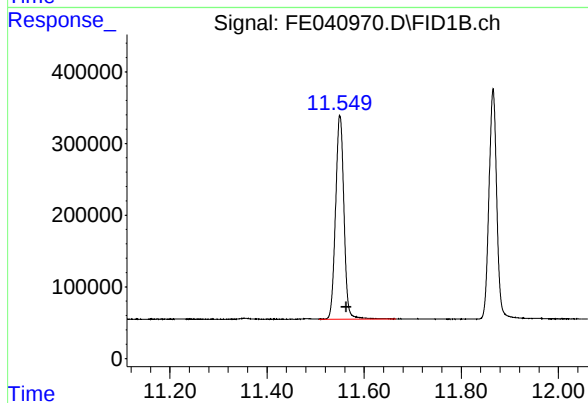
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.015 min
Response: 3254297
Conc: 21.06 ug/ml



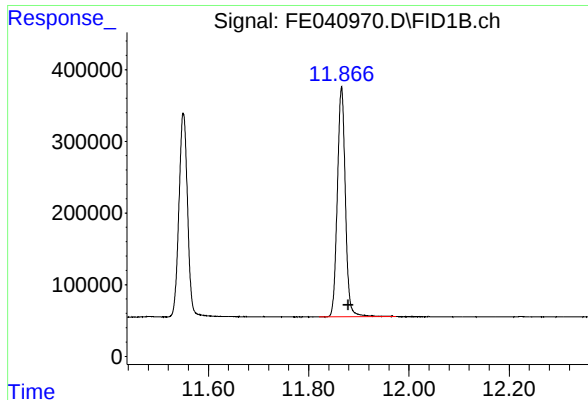
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.015 min
Response: 3345158
Conc: 20.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.013 min
Response: 3405183
Conc: 20.05 ug/ml



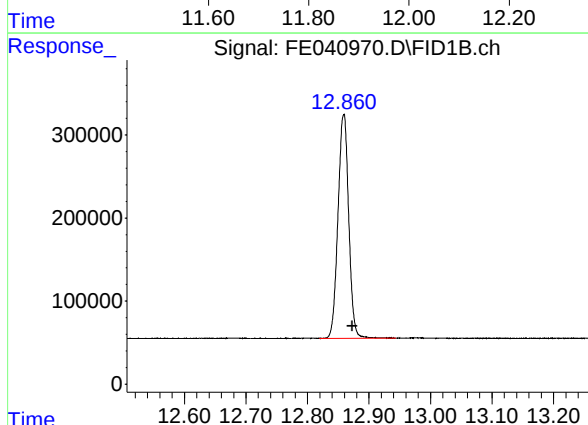
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.013 min
Response: 3564452
Conc: 19.08 ug/ml

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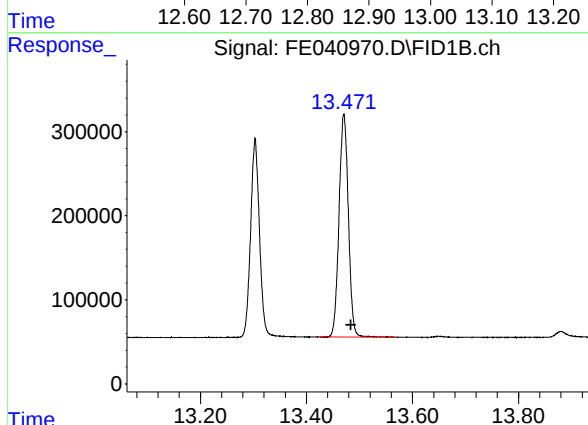
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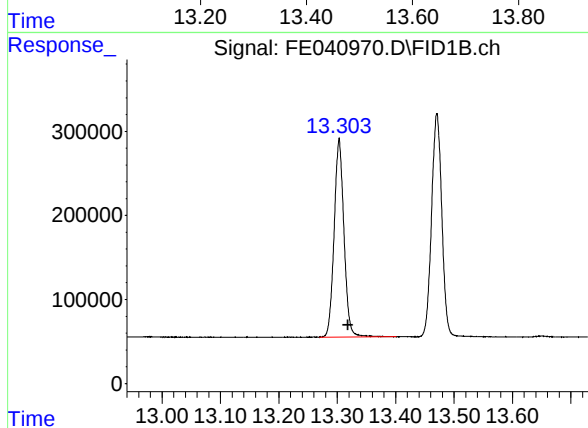
#10 n-Eicosane (C20)

R.T.: 12.859 min
Delta R.T.: -0.014 min
Response: 3271756
Conc: 19.34 ug/ml



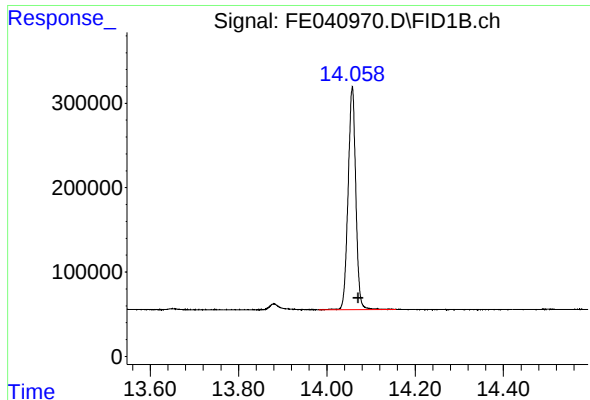
#11 n-Heneicosane (C21)

R.T.: 13.471 min
Delta R.T.: -0.013 min
Response: 3246504
Conc: 18.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.015 min
Response: 2756958
Conc: 18.63 ug/ml



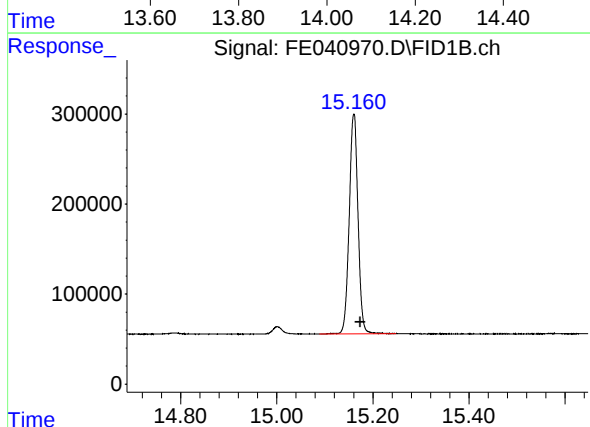
#13 n-Docosane (C22)

R.T.: 14.058 min
Delta R.T.: -0.014 min
Response: 3192348
Conc: 18.63 ug/ml

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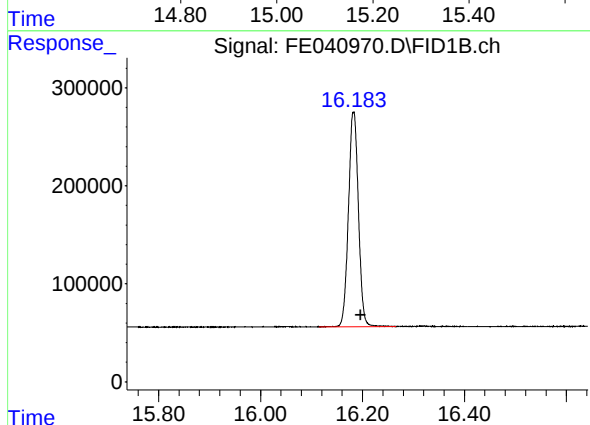
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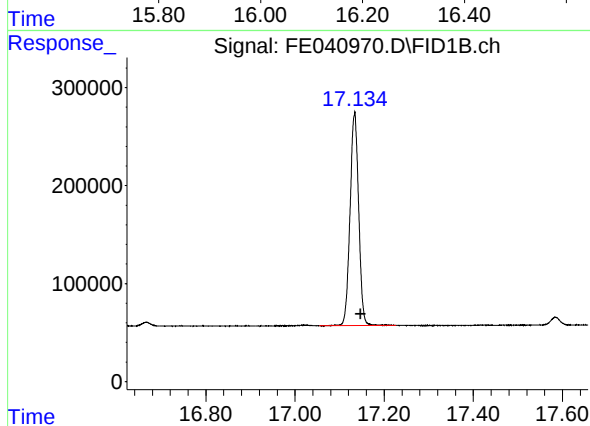
#14 n-Tetracosane (C24)

R.T.: 15.161 min
Delta R.T.: -0.014 min
Response: 3110477
Conc: 18.04 ug/ml



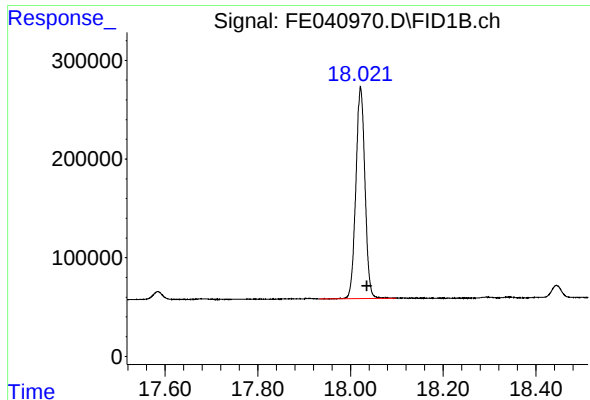
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: -0.014 min
Response: 2973857
Conc: 17.50 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.014 min
Response: 2922701
Conc: 17.43 ug/ml



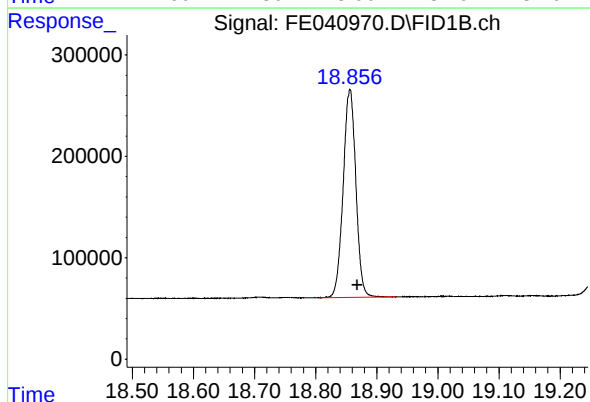
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.014 min
Response: 2915353
Conc: 17.85 ug/ml

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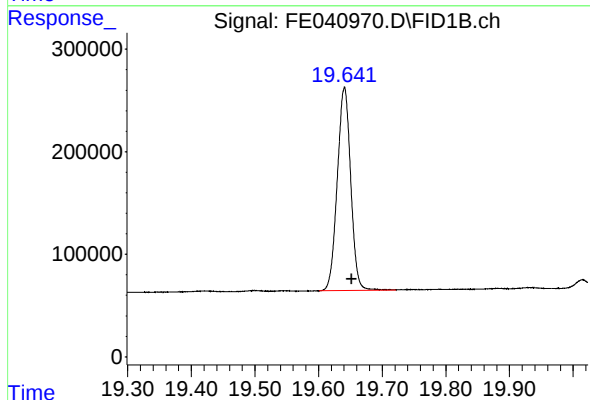
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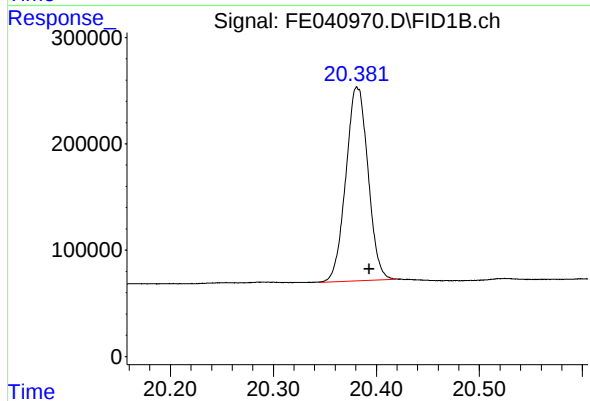
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: -0.012 min
Response: 2963631
Conc: 17.32 ug/ml



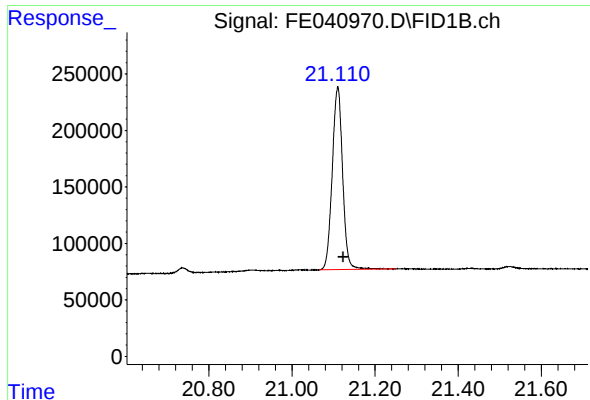
#19 n-Tetatriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.011 min
Response: 2912600
Conc: 18.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.381 min
Delta R.T.: -0.013 min
Response: 2722598
Conc: 18.74 ug/ml m



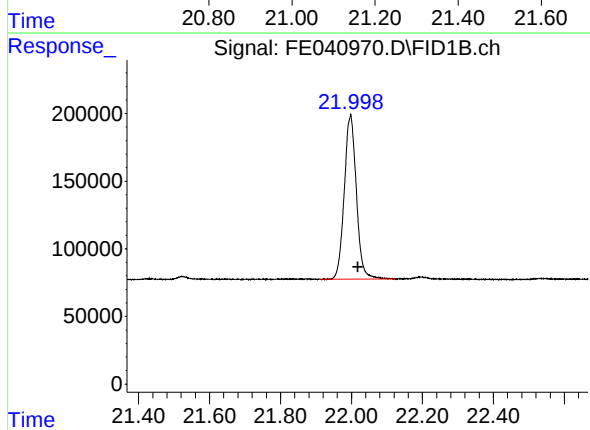
#21 n-Octatriacontane (C38)

R.T.: 21.110 min
Delta R.T.: -0.013 min
Response: 2809792
Conc: 20.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.998 min
Delta R.T.: -0.021 min
Response: 2877797
Conc: 18.62 ug/ml