

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062525AL\
 Data File : FE054591.D
 Signal(s) : FID1B.ch
 Acq On : 26 Jun 2025 00:26
 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 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e
 Quant Time: Jun 26 02:36:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 2025
 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)	11.820	2728382	16.512 ug/ml
Spiked Amount 50.000		Recovery =	33.02%
12) S 1-chlorooctadecane (S...	13.265	2026810	16.620 ug/ml
Spiked Amount 50.000		Recovery =	33.24%
Target Compounds			
1) T n-Nonane (C9)	3.170	2023597	16.296 ug/ml
2) T n-Decane (C10)	4.432	2103222	16.927 ug/ml
3) T A~Naphthalene (C11.7)	6.148	2316268	17.140 ug/mlm
4) T n-Dodecane (C12)	6.614	2173791	17.072 ug/ml
5) T A~2-methylnaphthalene...	7.251	2209786	16.683 ug/ml
6) T n-Tetradecane (C14)	8.448	2251987	17.395 ug/ml
7) T n-Hexadecane (C16)	10.060	2245205	16.902 ug/ml
8) T n-Octadecane (C18)	11.507	2275455	16.851 ug/ml
10) T n-Eicosane (C20)	12.819	2234270	16.701 ug/ml
11) T n-Heneicosane (C21)	13.432	2214848	16.657 ug/ml
13) T n-Docosane (C22)	14.020	2195763	16.746 ug/ml
14) T n-Tetracosane (C24)	15.125	2190130	16.979 ug/ml
15) T n-Hexacosane (C26)	16.147	2151947	17.143 ug/ml
16) T n-Octacosane (C28)	17.099	2284295	18.627 ug/mlm
17) T n-Tricontane (C30)	17.986	2675339	21.585 ug/mlm
18) T n-Dotriacontane (C32)	18.823	2815361	22.407 ug/ml
19) T n-Tetratriacontane (C34)	19.608	2724939	21.903 ug/mlm
20) T n-Hexatriacontane (C36)	20.349	2562936	19.909 ug/mlm
21) T n-Octatriacontane (C38)	21.075	2363127	17.897 ug/ml
22) T n-Tetracontane (C40)	21.958	2315579	17.190 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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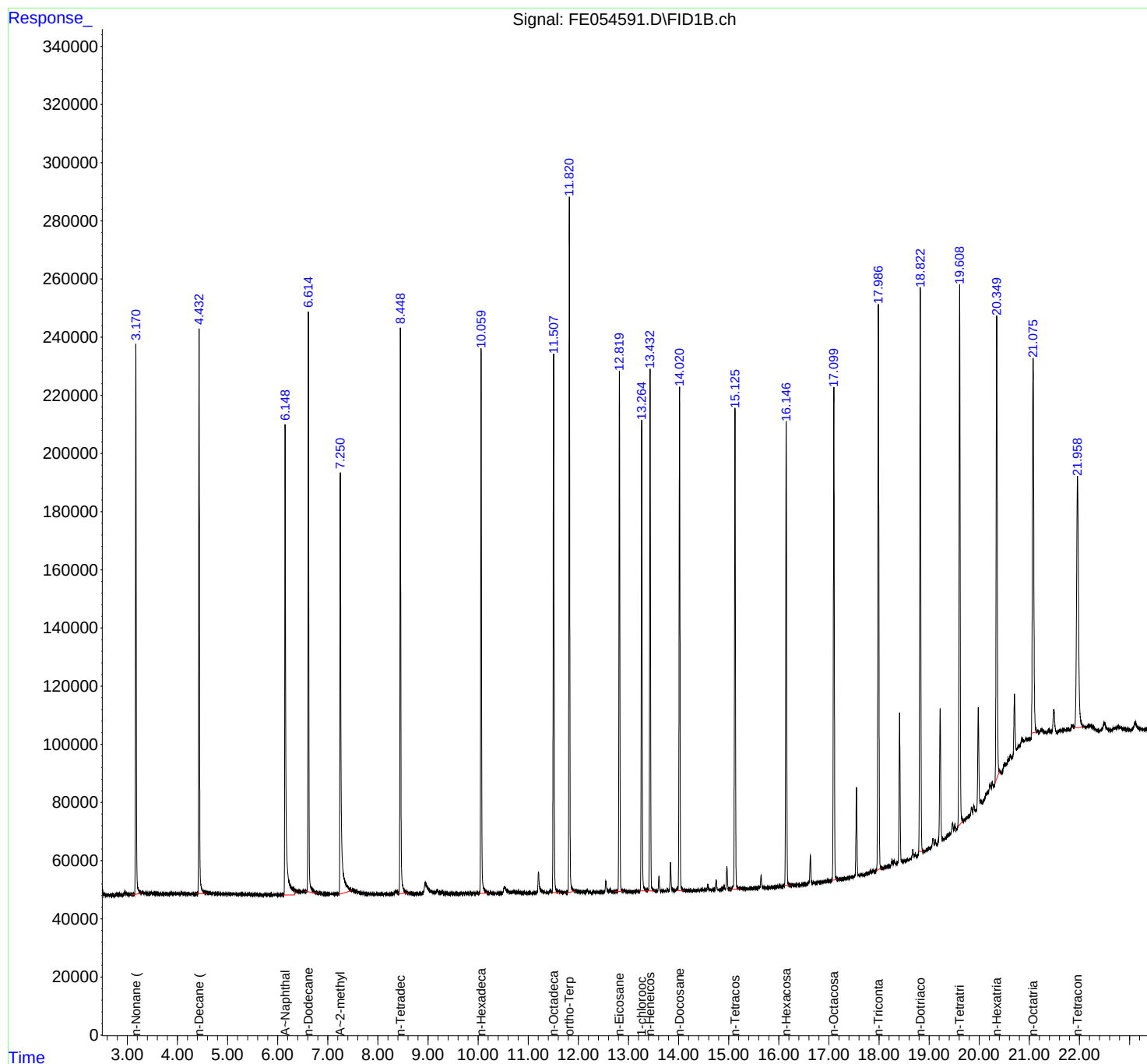
Instrument :
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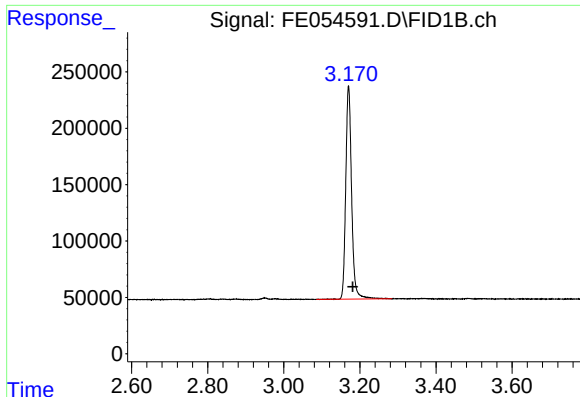
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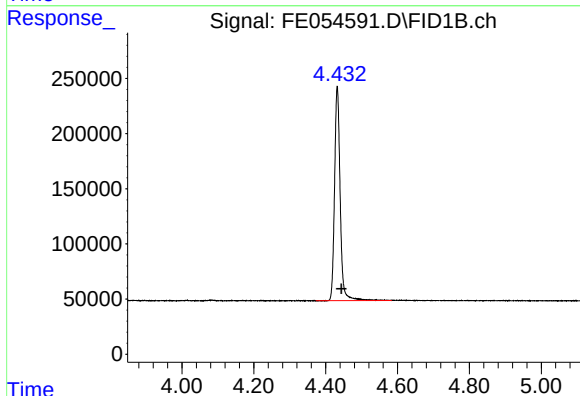
#1 n-Nonane (C9)

R.T.: 3.170 min
Delta R.T.: -0.011 min
Response: 2023597
Conc: 16.30 ug/ml

Instrument :
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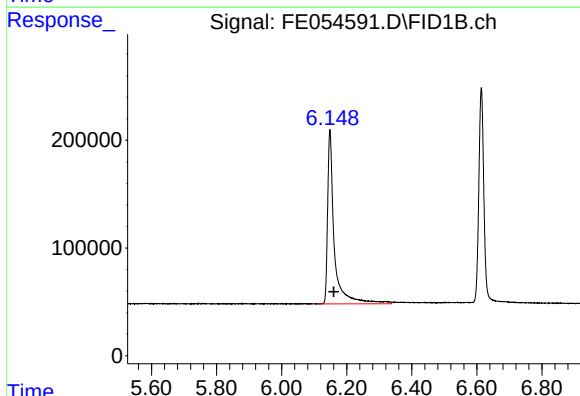
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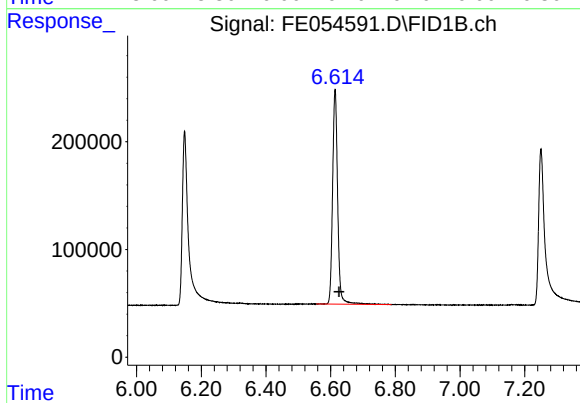
#2 n-Decane (C10)

R.T.: 4.432 min
Delta R.T.: -0.012 min
Response: 2103222
Conc: 16.93 ug/ml



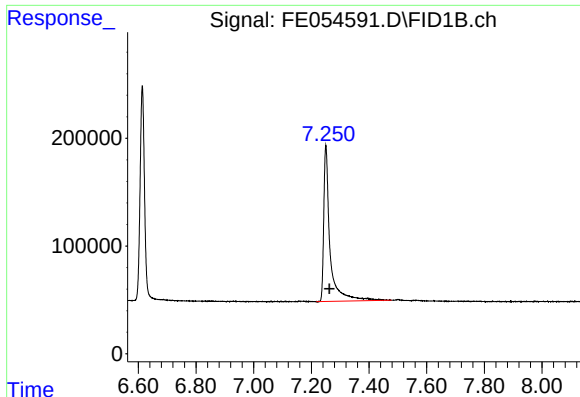
#3 A~Naphthalene (C11.7)

R.T.: 6.148 min
Delta R.T.: -0.012 min
Response: 2316268
Conc: 17.14 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.614 min
Delta R.T.: -0.013 min
Response: 2173791
Conc: 17.07 ug/ml



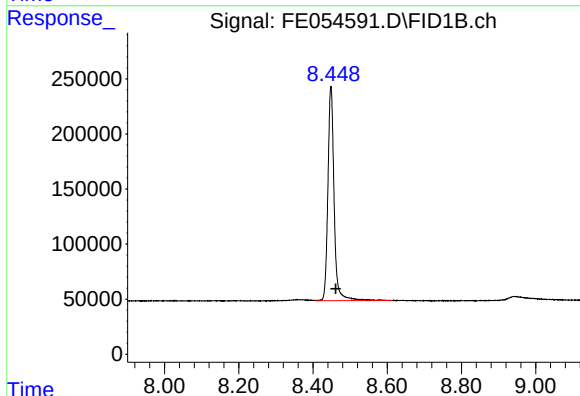
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.251 min
Delta R.T.: -0.012 min
Response: 2209786
Conc: 16.68 ug/ml

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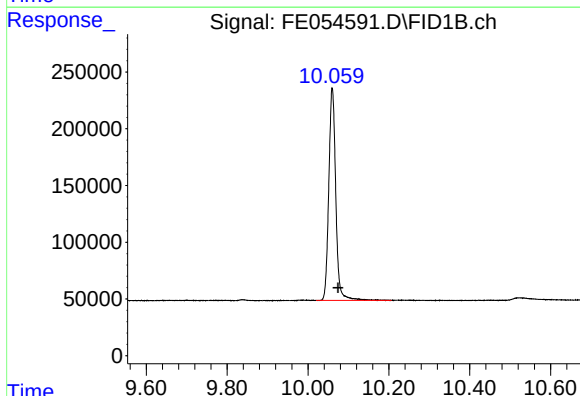
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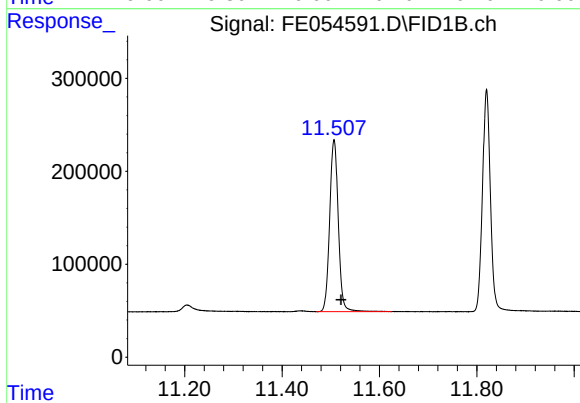
#6 n-Tetradecane (C14)

R.T.: 8.448 min
Delta R.T.: -0.013 min
Response: 2251987
Conc: 17.39 ug/ml



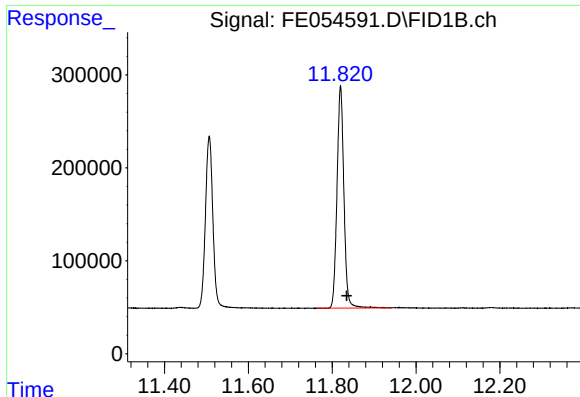
#7 n-Hexadecane (C16)

R.T.: 10.060 min
Delta R.T.: -0.014 min
Response: 2245205
Conc: 16.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.507 min
Delta R.T.: -0.014 min
Response: 2275455
Conc: 16.85 ug/ml



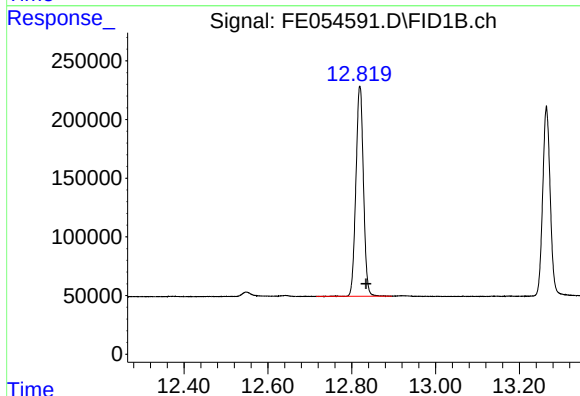
#9 ortho-Terphenyl (SURR)

R.T.: 11.820 min
Delta R.T.: -0.015 min
Response: 2728382
Conc: 16.51 ug/ml

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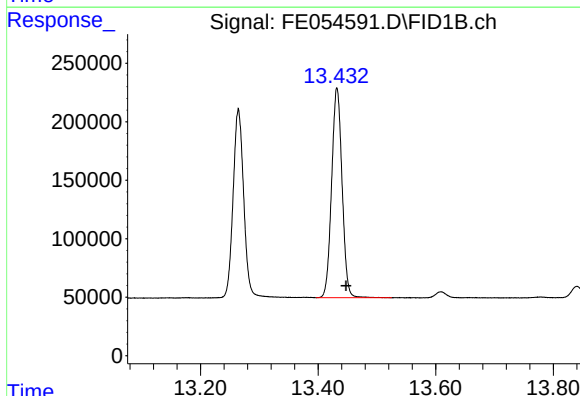
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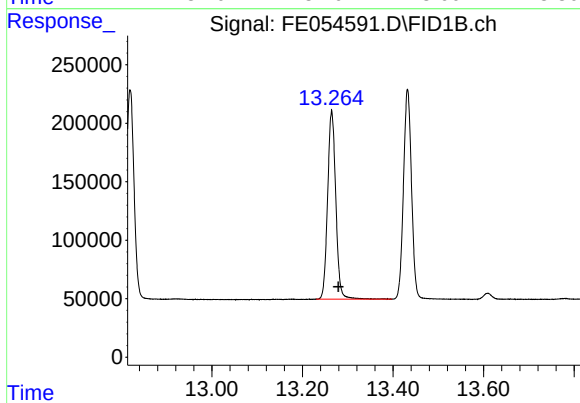
#10 n-Eicosane (C20)

R.T.: 12.819 min
Delta R.T.: -0.015 min
Response: 2234270
Conc: 16.70 ug/ml



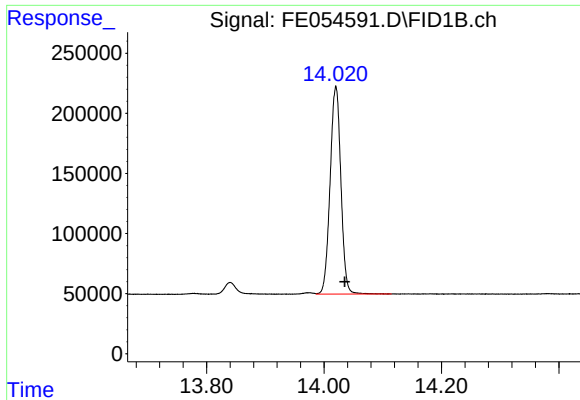
#11 n-Heneicosane (C21)

R.T.: 13.432 min
Delta R.T.: -0.016 min
Response: 2214848
Conc: 16.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.265 min
Delta R.T.: -0.015 min
Response: 2026810
Conc: 16.62 ug/ml



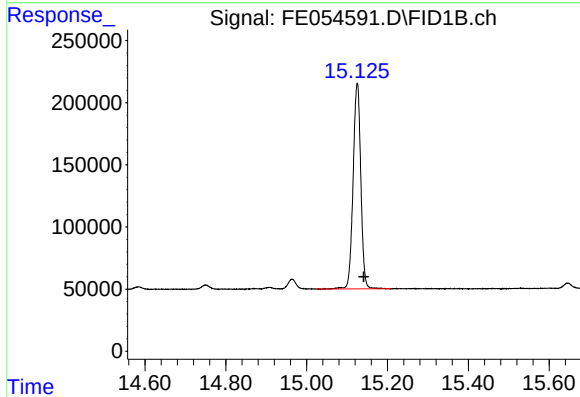
#13 n-Docosane (C22)

R.T.: 14.020 min
Delta R.T.: -0.015 min
Response: 2195763
Conc: 16.75 ug/ml

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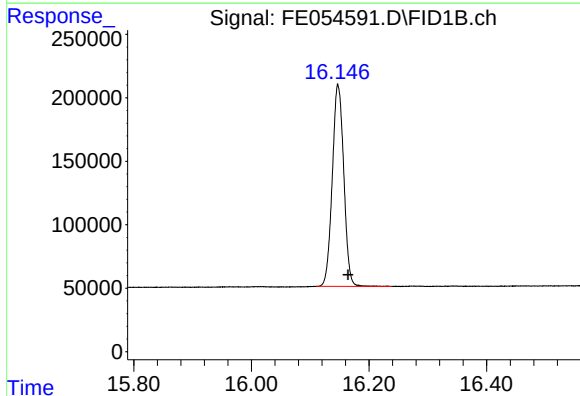
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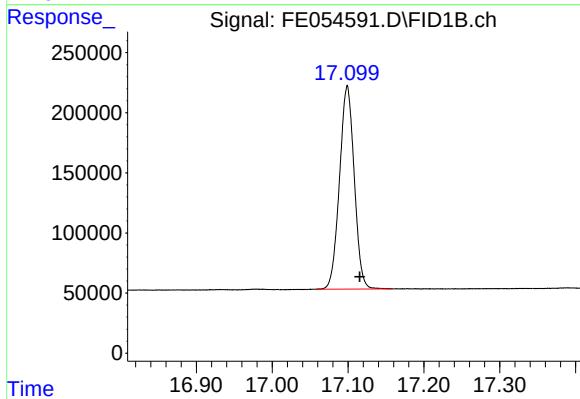
#14 n-Tetracosane (C24)

R.T.: 15.125 min
Delta R.T.: -0.016 min
Response: 2190130
Conc: 16.98 ug/ml



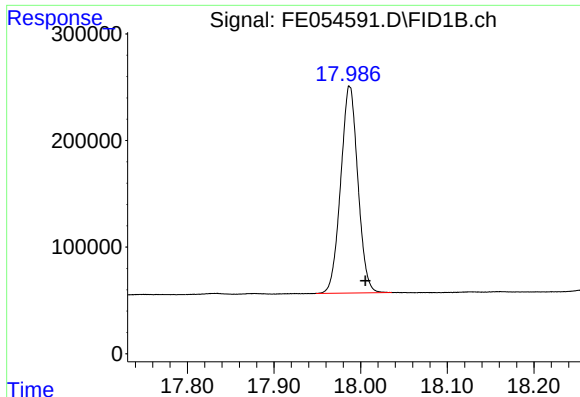
#15 n-Hexacosane (C26)

R.T.: 16.147 min
Delta R.T.: -0.017 min
Response: 2151947
Conc: 17.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.016 min
Response: 2284295
Conc: 18.63 ug/ml m



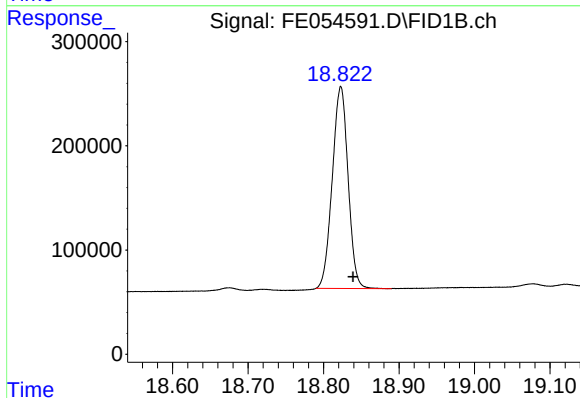
#17 n-Tricontane (C30)

R.T.: 17.986 min
Delta R.T.: -0.019 min
Response: 2675339
Conc: 21.59 ug/ml

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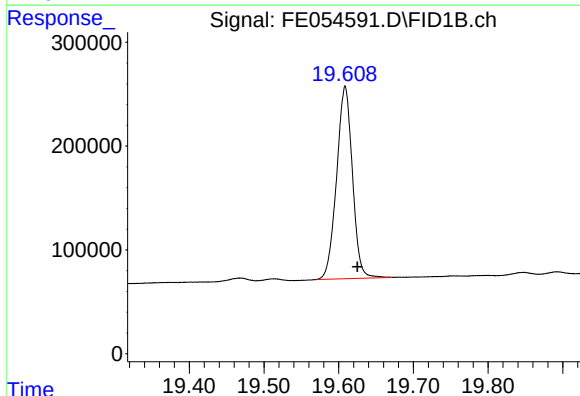
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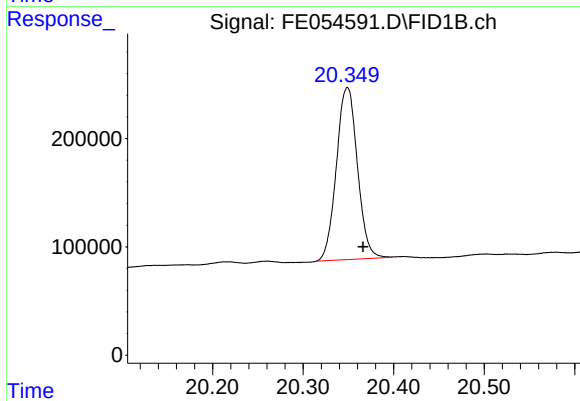
#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: -0.016 min
Response: 2815361
Conc: 22.41 ug/ml



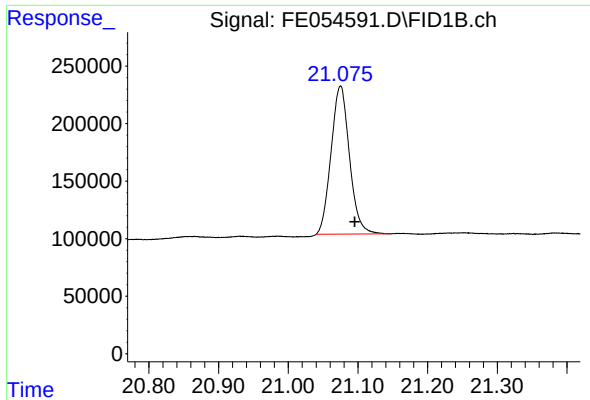
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.017 min
Response: 2724939
Conc: 21.90 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.349 min
Delta R.T.: -0.017 min
Response: 2562936
Conc: 19.91 ug/ml m



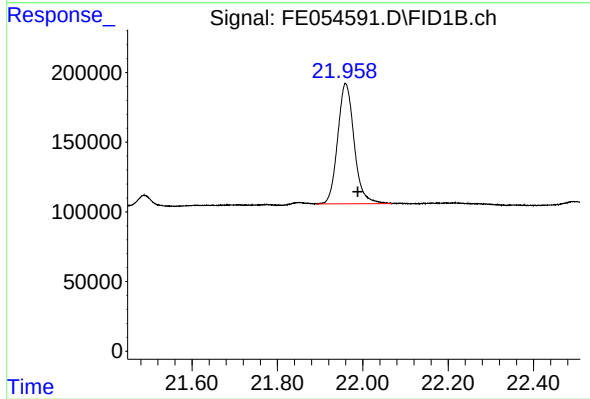
#21 n-Octatriacontane (C38)

R.T.: 21.075 min
Delta R.T.: -0.021 min
Response: 2363127
Conc: 17.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.958 min
Delta R.T.: -0.030 min
Response: 2315579
Conc: 17.19 ug/ml m