

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
 Data File : FE054473.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jun 2025 07:43
 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 06/19/2025
 Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e
 Quant Time: Jun 19 01:32:39 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)	11.823	3249867	19.668 ug/ml
Spiked Amount 50.000		Recovery =	39.34%
12) S 1-chlorooctadecane (S...	13.268	2427717	19.908 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
Target Compounds			
1) T n-Nonane (C9)	3.172	2382623	19.187 ug/ml
2) T n-Decane (C10)	4.435	2423566	19.505 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2549299	18.864 ug/ml
4) T n-Dodecane (C12)	6.617	2499729	19.632 ug/ml
5) T A~2-methylnaphthalene...	7.253	2639386	19.927 ug/ml
6) T n-Tetradecane (C14)	8.452	2513352	19.413 ug/ml
7) T n-Hexadecane (C16)	10.064	2604723	19.608 ug/ml
8) T n-Octadecane (C18)	11.511	2662076	19.714 ug/ml
10) T n-Eicosane (C20)	12.823	2631722	19.672 ug/ml
11) T n-Heneicosane (C21)	13.436	2619141	19.698 ug/ml
13) T n-Docosane (C22)	14.024	2604177	19.861 ug/ml
14) T n-Tetracosane (C24)	15.129	2581035	20.009 ug/ml
15) T n-Hexacosane (C26)	16.152	2532520	20.175 ug/ml
16) T n-Octacosane (C28)	17.104	2536721	20.686 ug/ml
17) T n-Tricontane (C30)	17.992	2670860	21.549 ug/ml
18) T n-Dotriacontane (C32)	18.826	2784608	22.163 ug/ml
19) T n-Tetratriacontane (C34)	19.610	2680372	21.545 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	2693445	20.923 ug/ml
21) T n-Octatriacontane (C38)	21.078	2699878	20.447 ug/ml
22) T n-Tetracontane (C40)	21.963	2715044	20.155 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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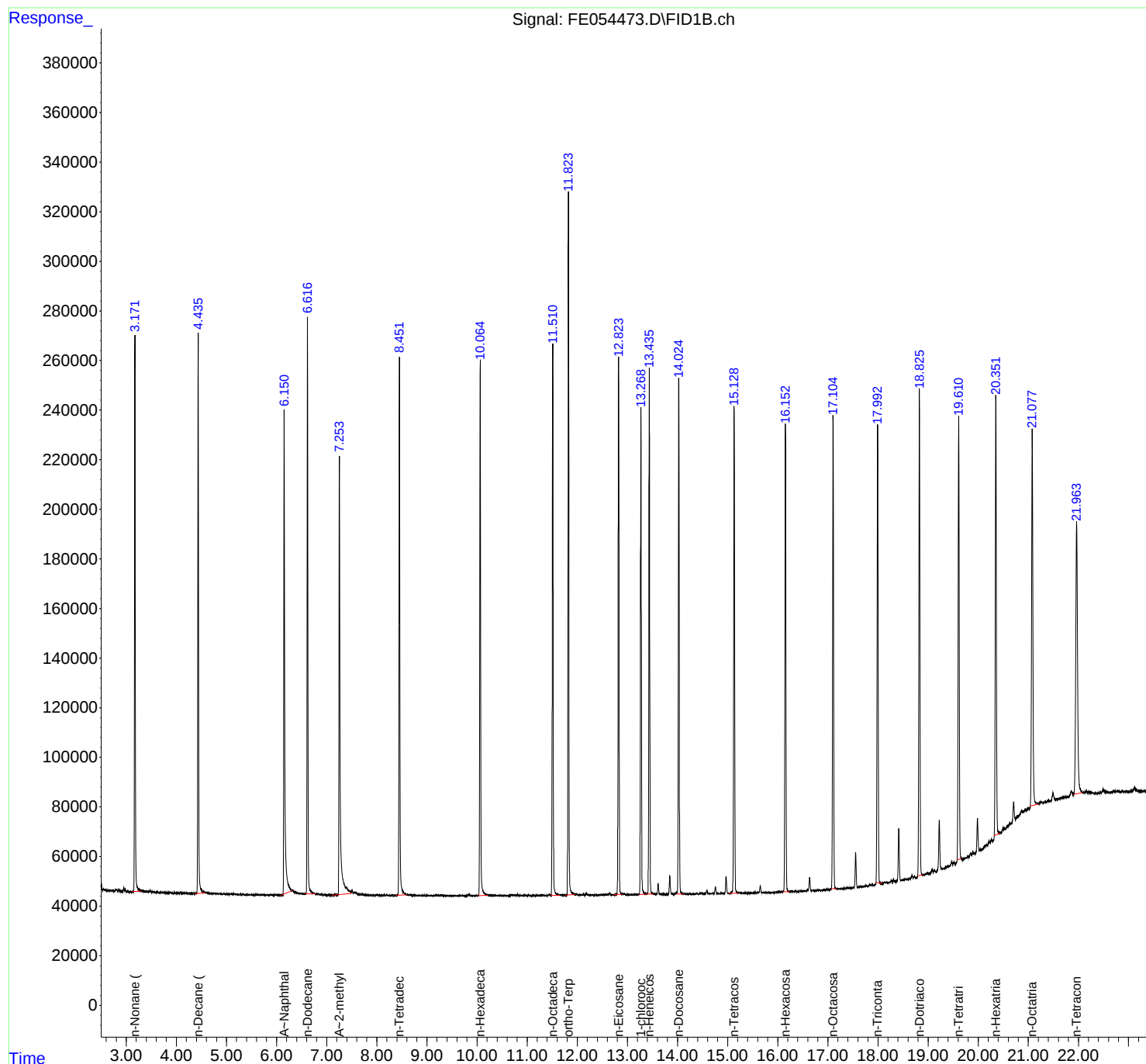
Instrument :
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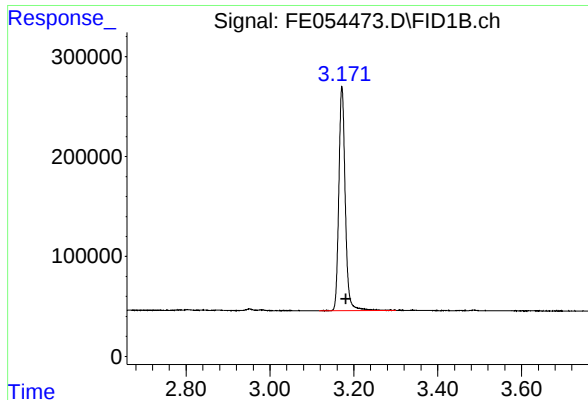
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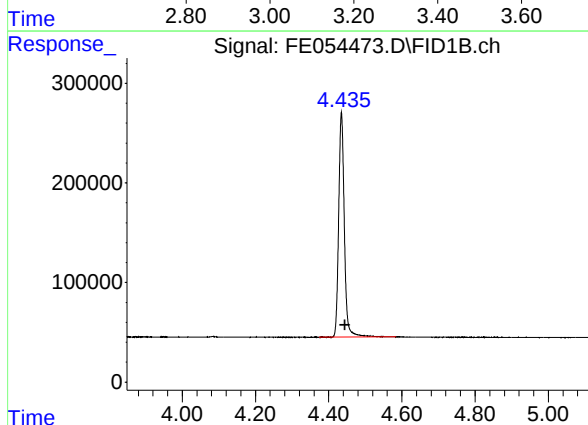
#1 n-Nonane (C9)

R.T.: 3.172 min
Delta R.T.: -0.009 min
Response: 2382623
Conc: 19.19 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

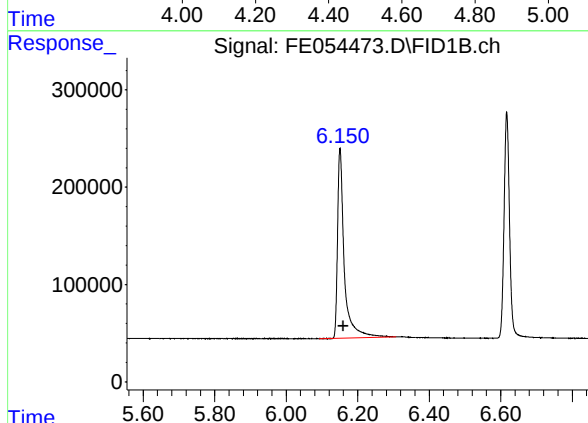
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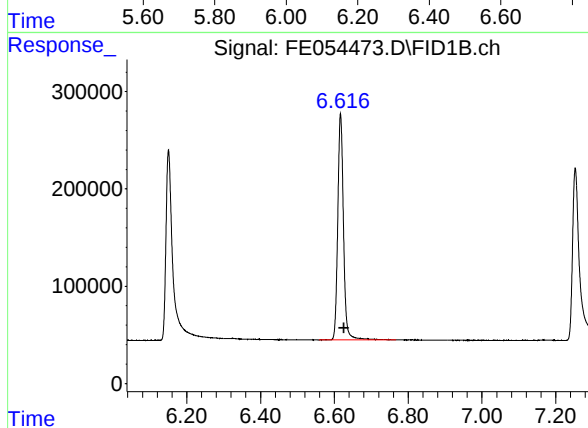
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.009 min
Response: 2423566
Conc: 19.50 ug/ml



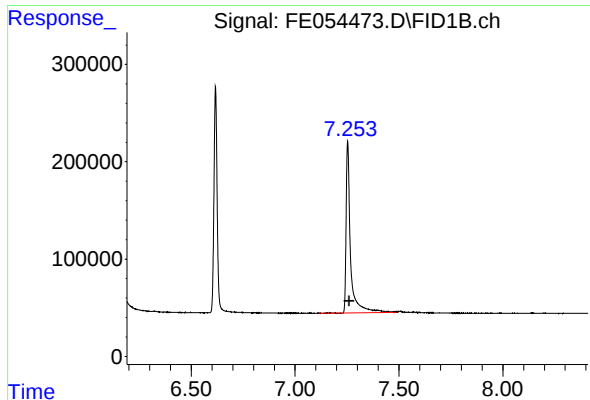
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2549299
Conc: 18.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 2499729
Conc: 19.63 ug/ml



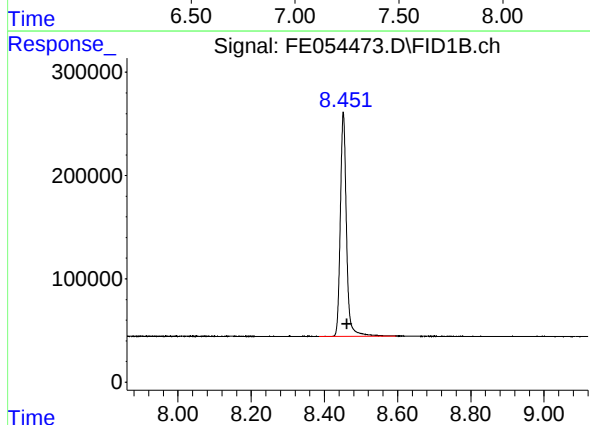
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.253 min
Delta R.T.: -0.009 min
Response: 2639386
Conc: 19.93 ug/ml

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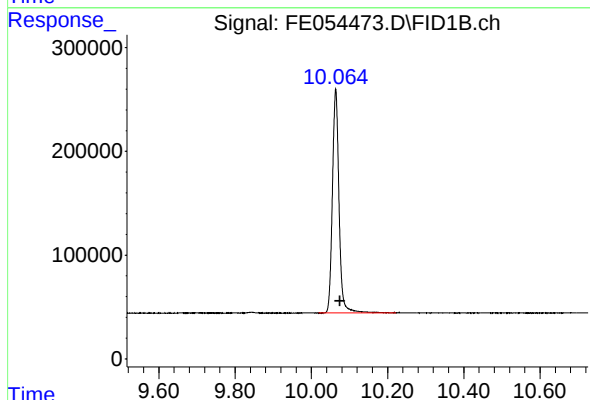
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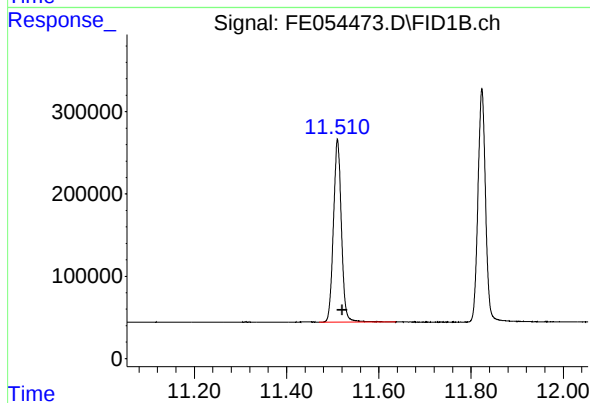
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2513352
Conc: 19.41 ug/ml



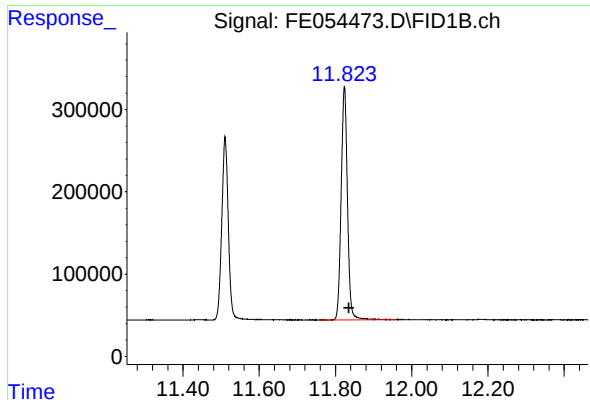
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2604723
Conc: 19.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.011 min
Response: 2662076
Conc: 19.71 ug/ml



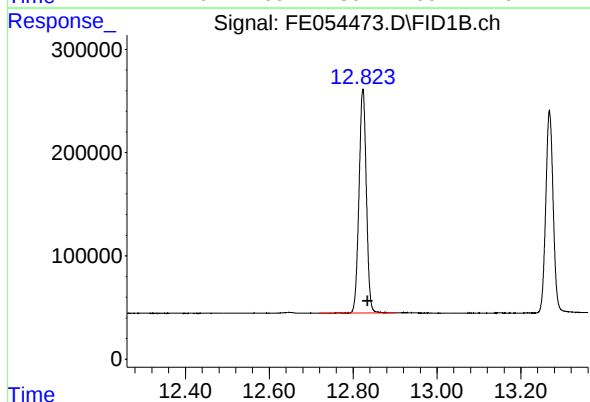
#9 ortho-Terphenyl (SURR)

R.T.: 11.823 min
Delta R.T.: -0.011 min
Response: 3249867
Conc: 19.67 ug/ml

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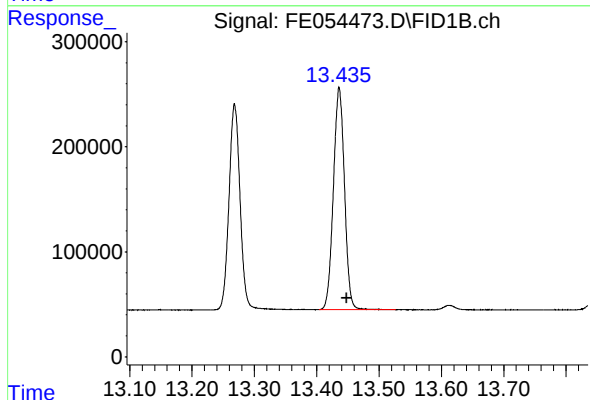
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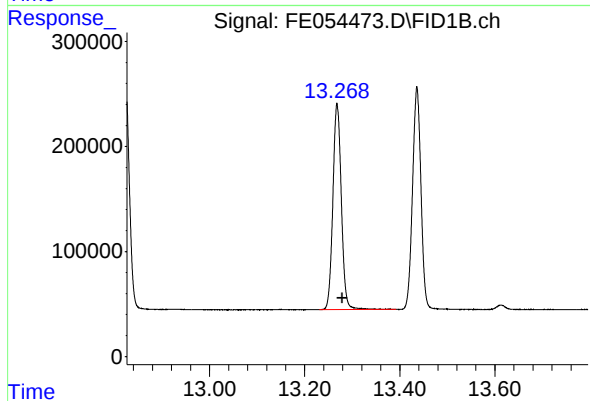
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.011 min
Response: 2631722
Conc: 19.67 ug/ml



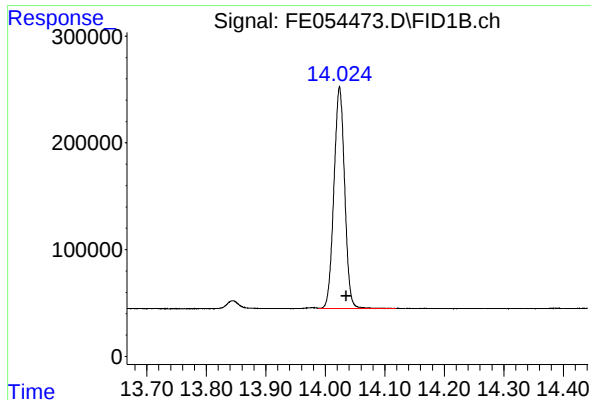
#11 n-Heneicosane (C21)

R.T.: 13.436 min
Delta R.T.: -0.012 min
Response: 2619141
Conc: 19.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.011 min
Response: 2427717
Conc: 19.91 ug/ml



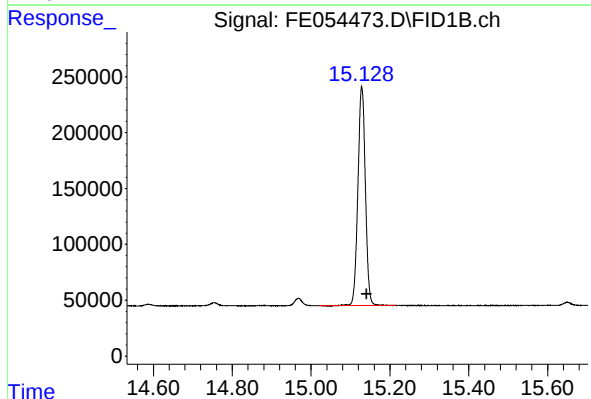
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 2604177
Conc: 19.86 ug/ml

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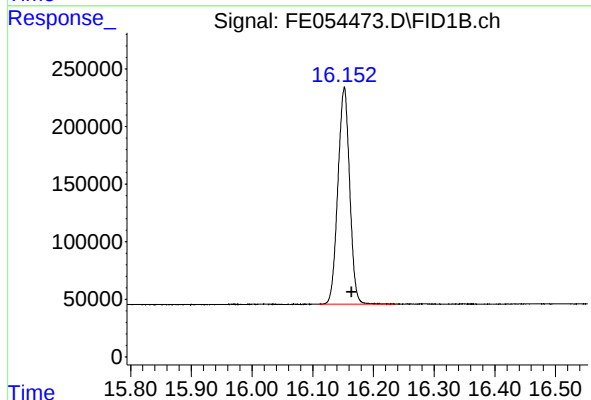
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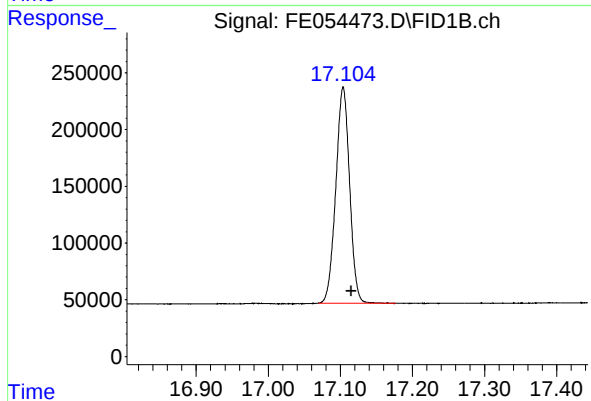
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.013 min
Response: 2581035
Conc: 20.01 ug/ml



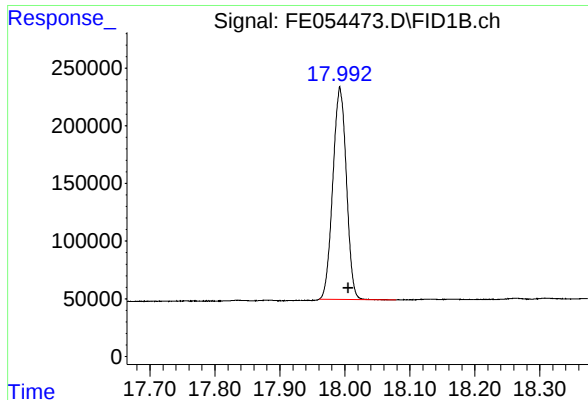
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2532520
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2536721
Conc: 20.69 ug/ml



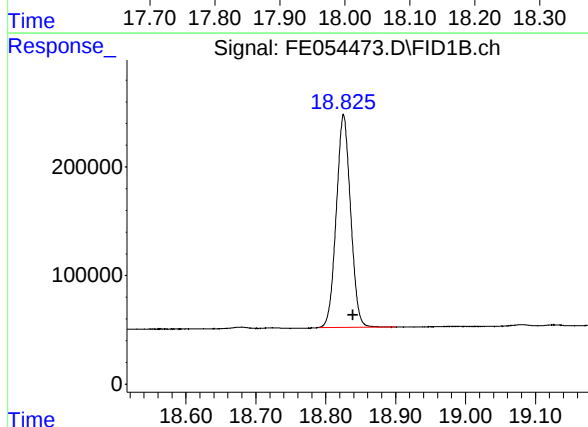
#17 n-Tricontane (C30)

R.T.: 17.992 min
Delta R.T.: -0.013 min
Response: 2670860
Conc: 21.55 ug/ml

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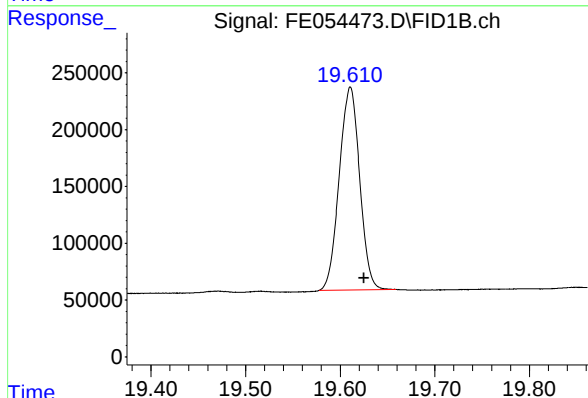
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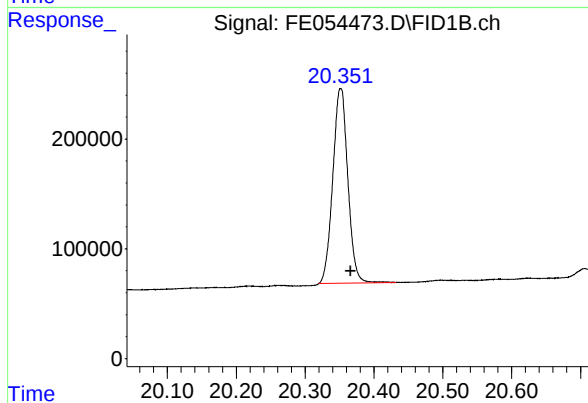
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.013 min
Response: 2784608
Conc: 22.16 ug/ml



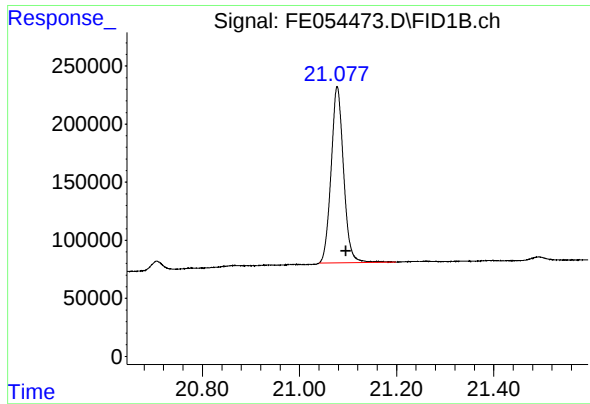
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.015 min
Response: 2680372
Conc: 21.55 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.015 min
Response: 2693445
Conc: 20.92 ug/ml



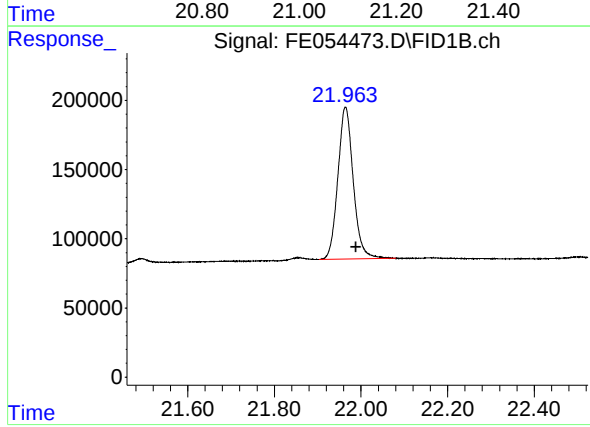
#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.018 min
Response: 2699878
Conc: 20.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.025 min
Response: 2715044
Conc: 20.16 ug/ml m