

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041125AL\
 Data File : FE053334.D
 Signal(s) : FID1B.ch
 Acq On : 11 Apr 2025 21:43
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/14/2025
 Supervised By :mohammad ahmed 04/15/2025

Integration File: autoint1.e
 Quant Time: Apr 11 22:49:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.886	2727247	16.744 ug/ml
Spiked Amount 50.000		Recovery =	33.49%
12) S 1-chlorooctadecane (S...	13.331	2142474	17.847 ug/ml
Spiked Amount 50.000		Recovery =	35.69%
Target Compounds			
1) T n-Nonane (C9)	3.233	2555216	16.502 ug/ml
2) T n-Decane (C10)	4.494	2695334	17.183 ug/ml
3) T A~Naphthalene (C11.7)	6.206	2805631	16.701 ug/ml
4) T n-Dodecane (C12)	6.674	2702277	17.278 ug/ml
5) T A~2-methylnaphthalene...	7.308	2694298	16.886 ug/ml
6) T n-Tetradecane (C14)	8.510	2659324	17.368 ug/ml
7) T n-Hexadecane (C16)	10.123	2691068	17.458 ug/ml
8) T n-Octadecane (C18)	11.571	2643534	17.430 ug/ml
10) T n-Eicosane (C20)	12.886	2497101	17.514 ug/ml
11) T n-Heneicosane (C21)	13.499	2397231	17.275 ug/ml
13) T n-Docosane (C22)	14.088	2436204	17.788 ug/ml
14) T n-Tetracosane (C24)	15.193	2572712	19.049 ug/ml
15) T n-Hexacosane (C26)	16.217	2628471	19.703 ug/ml
16) T n-Octacosane (C28)	17.170	2728643	20.677 ug/ml
17) T n-Tricontane (C30)	18.059	2881910	21.262 ug/ml
18) T n-Dotriacontane (C32)	18.893	2861638	21.266 ug/ml
19) T n-Tetratriacontane (C34)	19.677	2490946	19.251 ug/ml
20) T n-Hexatriacontane (C36)	20.418	2092189	17.613 ug/ml
21) T n-Octatriacontane (C38)	21.156	1886355	16.412 ug/ml
22) T n-Tetracontane (C40)	22.066	1814614	16.157 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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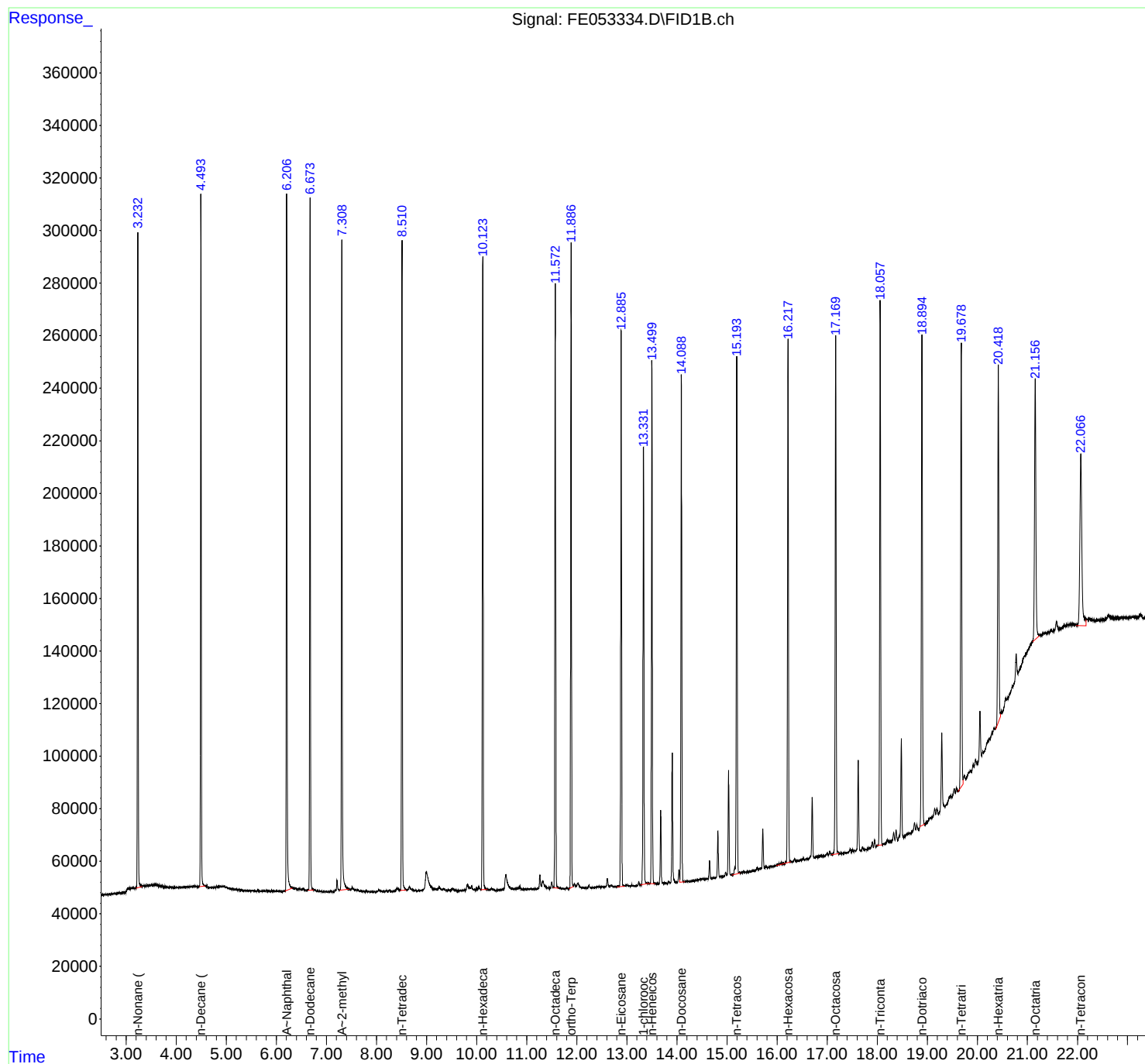
Instrument :
FID_E
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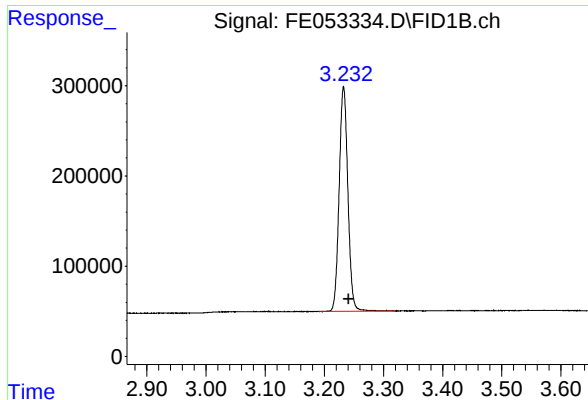
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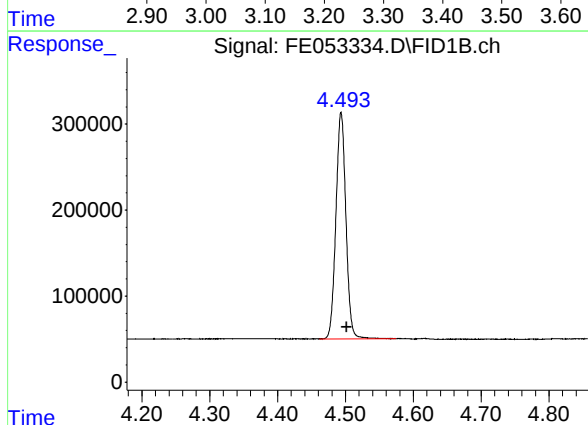
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.008 min
Response: 2555216
Conc: 16.50 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

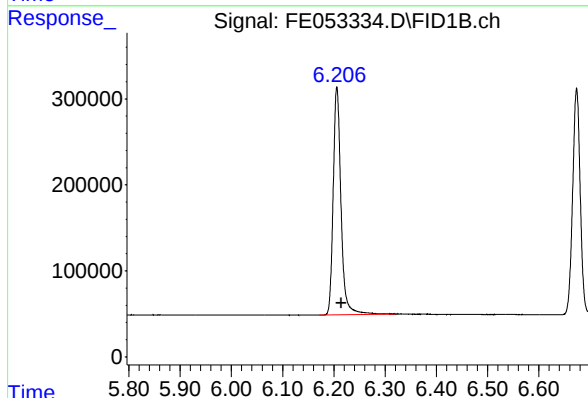
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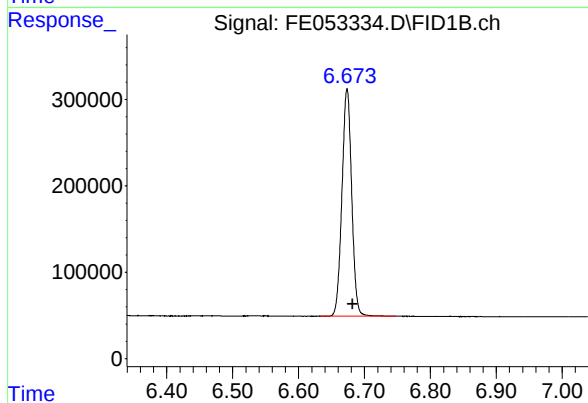
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.008 min
Response: 2695334
Conc: 17.18 ug/ml



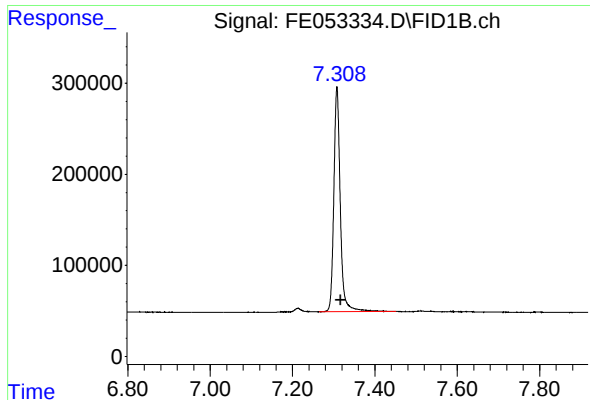
#3 A~Naphthalene (C11.7)

R.T.: 6.206 min
Delta R.T.: -0.008 min
Response: 2805631
Conc: 16.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.008 min
Response: 2702277
Conc: 17.28 ug/ml



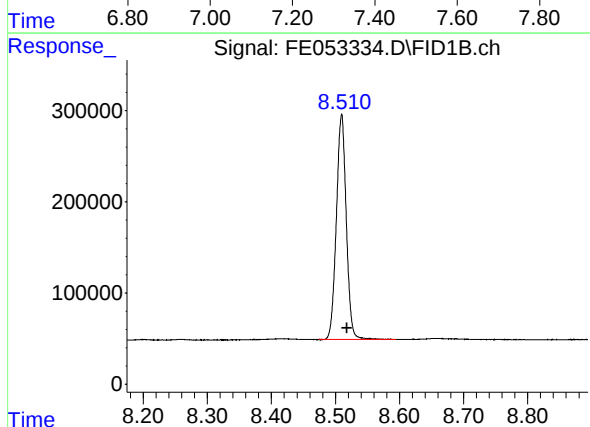
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.308 min
Delta R.T.: -0.008 min
Response: 2694298
Conc: 16.89 ug/ml

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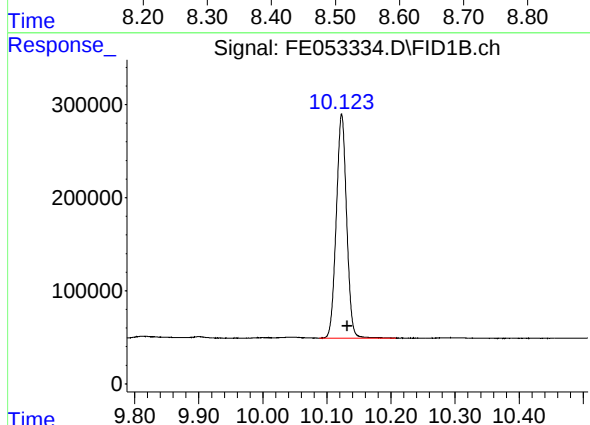
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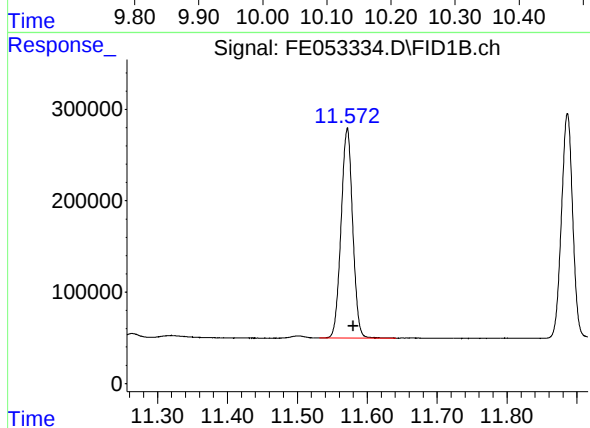
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: -0.008 min
Response: 2659324
Conc: 17.37 ug/ml



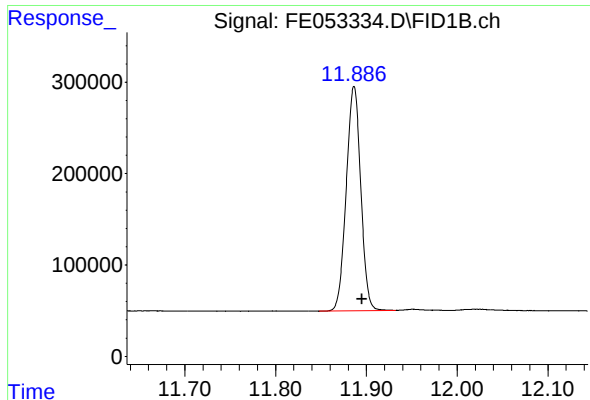
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: -0.009 min
Response: 2691068
Conc: 17.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.571 min
Delta R.T.: -0.009 min
Response: 2643534
Conc: 17.43 ug/ml



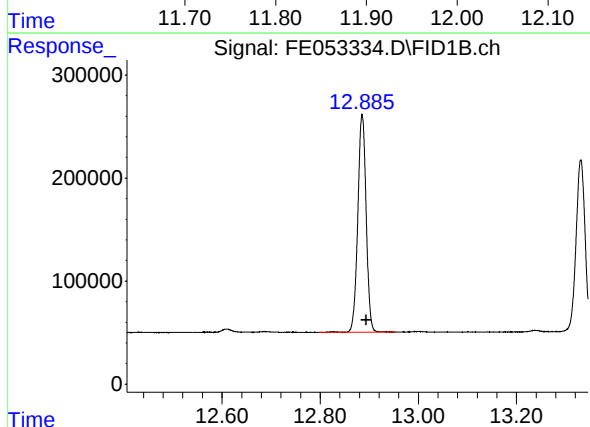
#9 ortho-Terphenyl (SURR)

R.T.: 11.886 min
Delta R.T.: -0.009 min
Response: 2727247
Conc: 16.74 ug/ml

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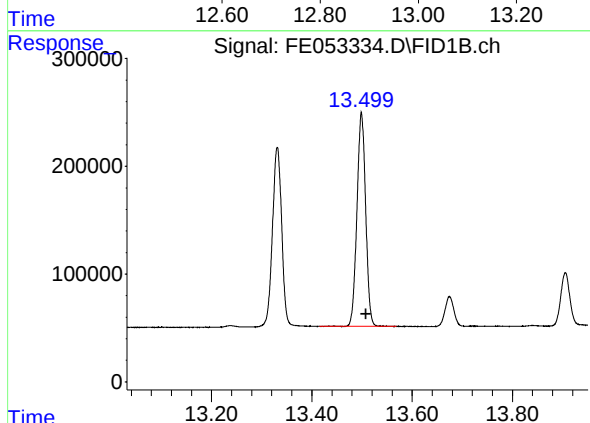
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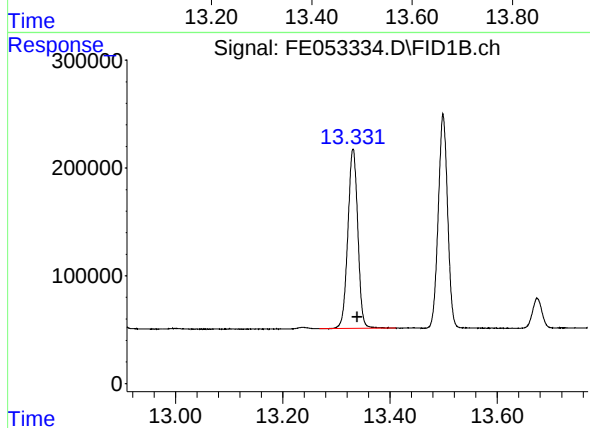
#10 n-Eicosane (C20)

R.T.: 12.886 min
Delta R.T.: -0.008 min
Response: 2497101
Conc: 17.51 ug/ml



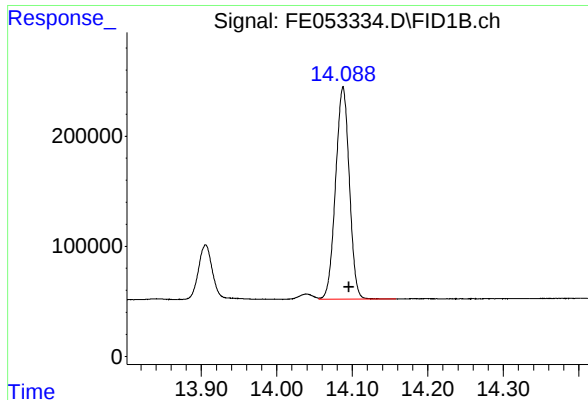
#11 n-Heneicosane (C21)

R.T.: 13.499 min
Delta R.T.: -0.009 min
Response: 2397231
Conc: 17.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.331 min
Delta R.T.: -0.008 min
Response: 2142474
Conc: 17.85 ug/ml



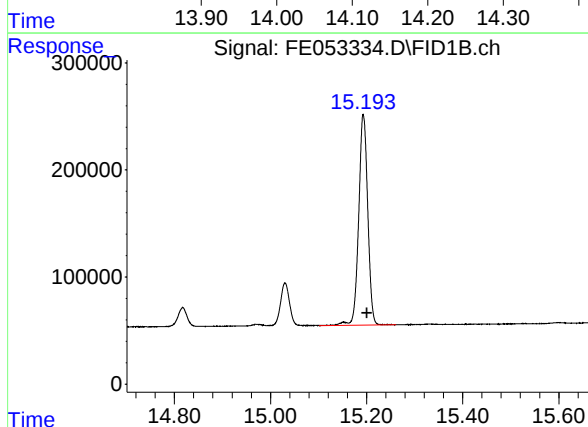
#13 n-Docosane (C22)

R.T.: 14.088 min
Delta R.T.: -0.008 min
Response: 2436204
Conc: 17.79 ug/ml

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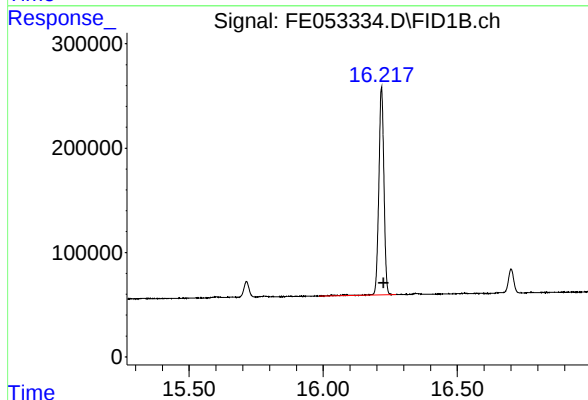
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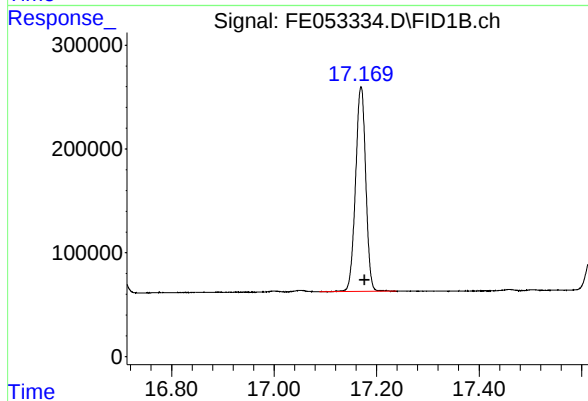
#14 n-Tetracosane (C24)

R.T.: 15.193 min
Delta R.T.: -0.008 min
Response: 2572712
Conc: 19.05 ug/ml



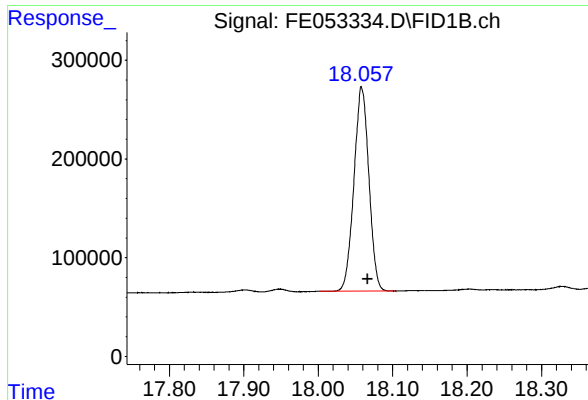
#15 n-Hexacosane (C26)

R.T.: 16.217 min
Delta R.T.: -0.008 min
Response: 2628471
Conc: 19.70 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.170 min
Delta R.T.: -0.007 min
Response: 2728643
Conc: 20.68 ug/ml



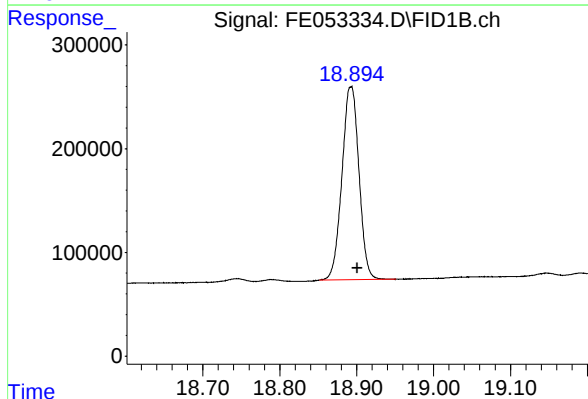
#17 n-Tricontane (C30)

R.T.: 18.059 min
Delta R.T.: -0.008 min
Response: 2881910
Conc: 21.26 ug/ml

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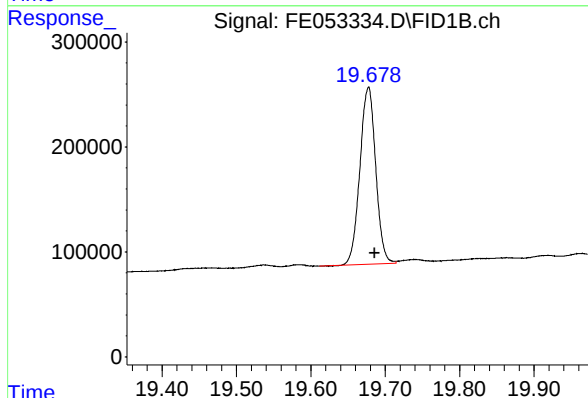
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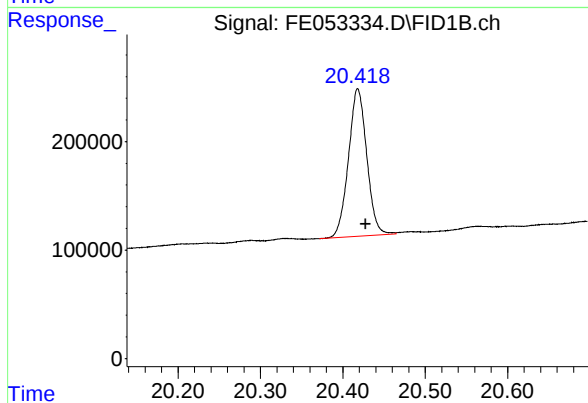
#18 n-Dotriacontane (C32)

R.T.: 18.893 min
Delta R.T.: -0.008 min
Response: 2861638
Conc: 21.27 ug/ml



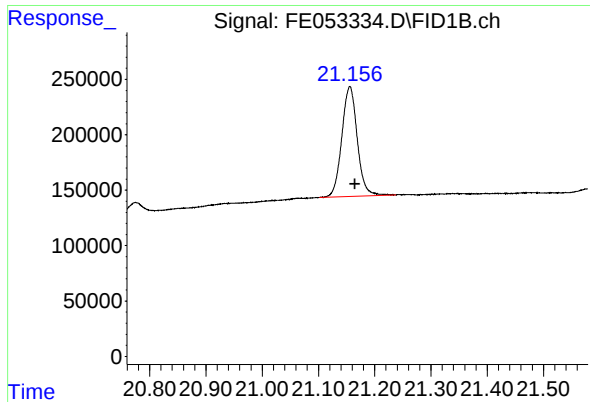
#19 n-Tetratriacontane (C34)

R.T.: 19.677 min
Delta R.T.: -0.009 min
Response: 2490946
Conc: 19.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.418 min
Delta R.T.: -0.010 min
Response: 2092189
Conc: 17.61 ug/ml



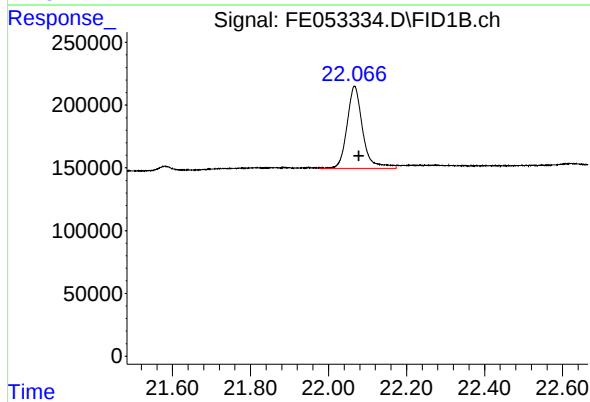
#21 n-Octatriacontane (C38)

R.T.: 21.156 min
Delta R.T.: -0.009 min
Response: 1886355
Conc: 16.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.066 min
Delta R.T.: -0.012 min
Response: 1814614
Conc: 16.16 ug/ml m