

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050125AL\
 Data File : FE053602.D
 Signal(s) : FID1B.ch
 Acq On : 01 May 2025 11:45
 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

Integration File: autoint1.e
 Quant Time: May 01 13:58:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.865	3406552	18.887 ug/ml
Spiked Amount 50.000		Recovery =	37.77%
12) S 1-chlorooctadecane (S...	13.309	2509890	18.568 ug/ml
Spiked Amount 50.000		Recovery =	37.14%
Target Compounds			
1) T n-Nonane (C9)	3.214	2676440	19.521 ug/ml
2) T n-Decane (C10)	4.474	2768205	20.011 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3009672	19.939 ug/ml
4) T n-Dodecane (C12)	6.654	2805304	20.002 ug/ml
5) T A~2-methylnaphthalene...	7.288	2982857	19.978 ug/ml
6) T n-Tetradecane (C14)	8.490	2797434	19.940 ug/ml
7) T n-Hexadecane (C16)	10.103	2819100	19.670 ug/ml
8) T n-Octadecane (C18)	11.550	2810688	19.286 ug/ml
10) T n-Eicosane (C20)	12.864	2749268	18.894 ug/ml
11) T n-Heneicosane (C21)	13.477	2716406	18.754 ug/ml
13) T n-Docosane (C22)	14.066	2688653	18.632 ug/ml
14) T n-Tetracosane (C24)	15.171	2659067	18.512 ug/ml
15) T n-Hexacosane (C26)	16.194	2605435	18.396 ug/ml
16) T n-Octacosane (C28)	17.145	2634676	18.937 ug/ml
17) T n-Tricontane (C30)	18.034	2780956	19.979 ug/ml
18) T n-Dotriacontane (C32)	18.870	2844622	20.717 ug/ml
19) T n-Tetratriacontane (C34)	19.654	2696931	20.699 ug/ml
20) T n-Hexatriacontane (C36)	20.397	2621511	20.765 ug/ml
21) T n-Octatriacontane (C38)	21.130	2477347	20.334 ug/ml
22) T n-Tetracontane (C40)	22.033	2361338	19.773 ug/ml

(f)=RT Delta > 1/2 Window

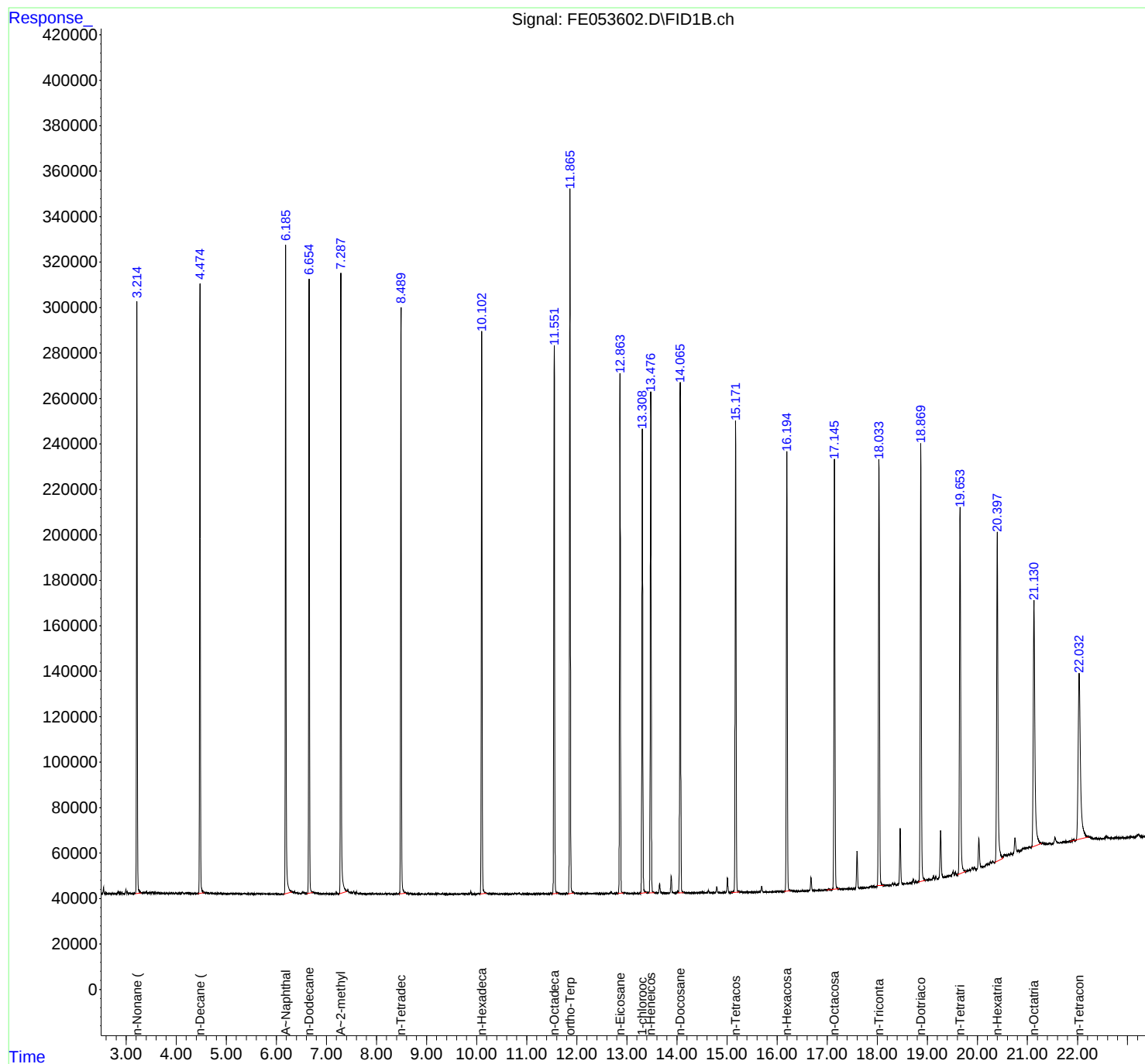
(m)=manual int.

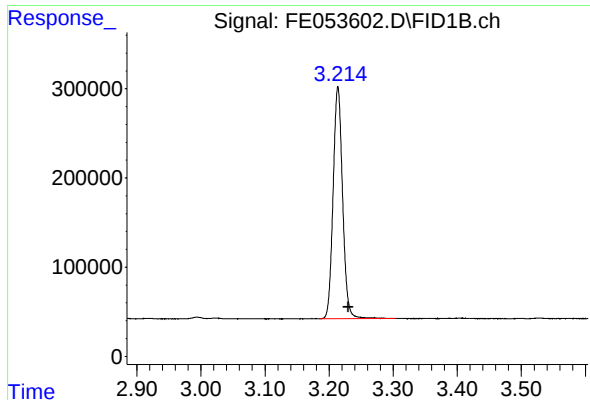
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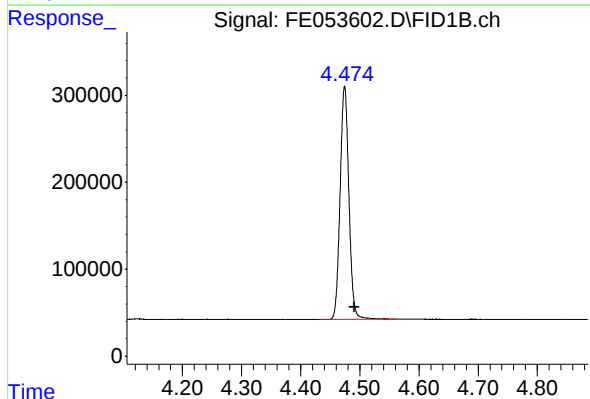




#1 n-Nonane (C9)

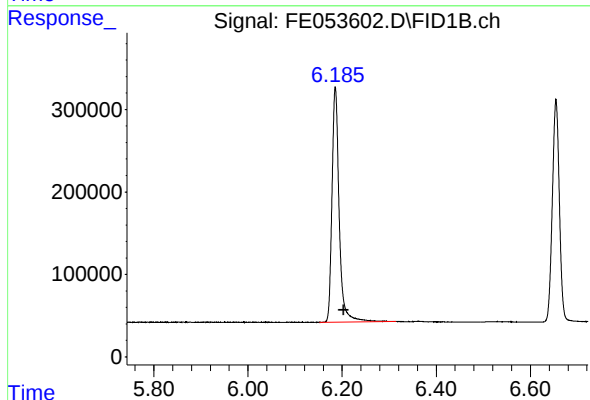
R.T.: 3.214 min
Delta R.T.: -0.016 min
Response: 2676440
Conc: 19.52 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



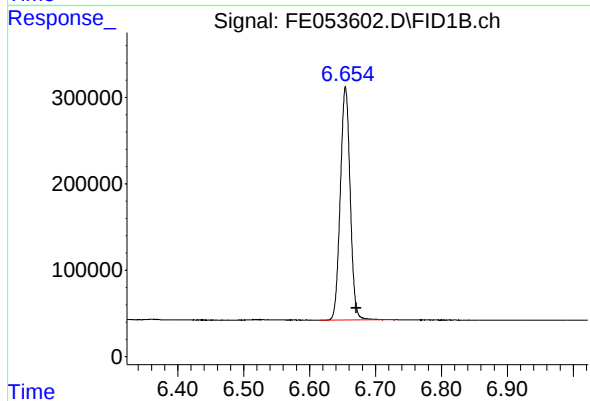
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.016 min
Response: 2768205
Conc: 20.01 ug/ml



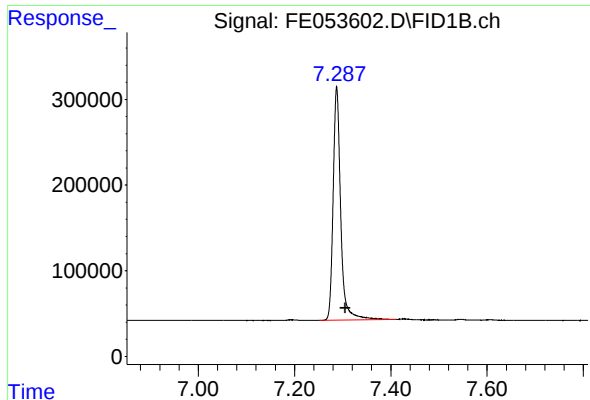
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.018 min
Response: 3009672
Conc: 19.94 ug/ml



#4 n-Dodecane (C12)

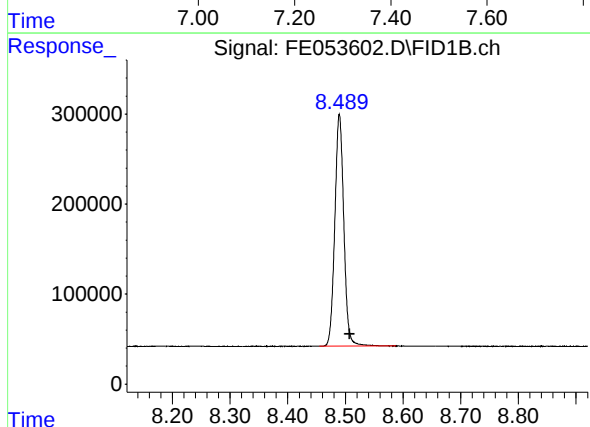
R.T.: 6.654 min
Delta R.T.: -0.016 min
Response: 2805304
Conc: 20.00 ug/ml



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

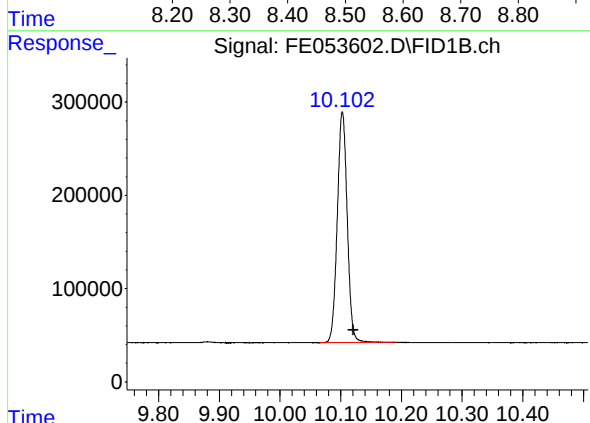
R.T.: 7.288 min
Delta R.T.: -0.018 min
Response: 2982857
Conc: 19.98 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



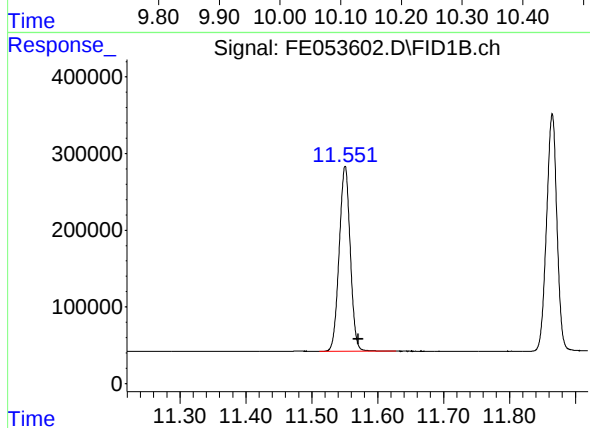
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.018 min
Response: 2797434
Conc: 19.94 ug/ml



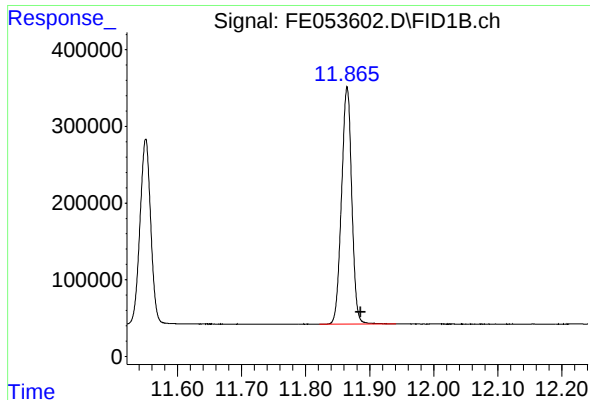
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: -0.018 min
Response: 2819100
Conc: 19.67 ug/ml



#8 n-Octadecane (C18)

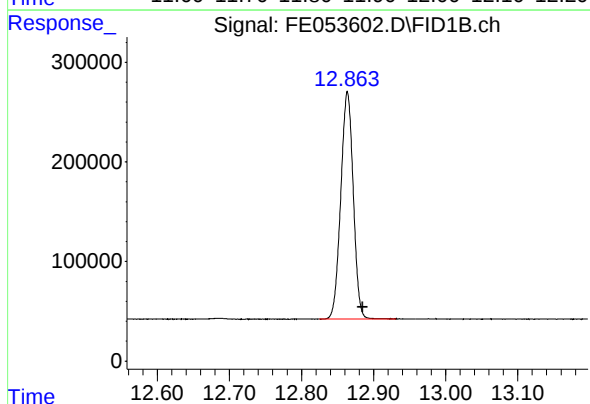
R.T.: 11.550 min
Delta R.T.: -0.020 min
Response: 2810688
Conc: 19.29 ug/ml



#9 ortho-Terphenyl (SURR)

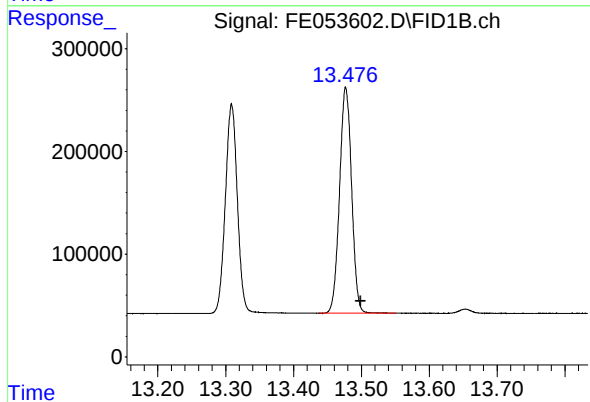
R.T.: 11.865 min
Delta R.T.: -0.021 min
Response: 3406552
Conc: 18.89 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



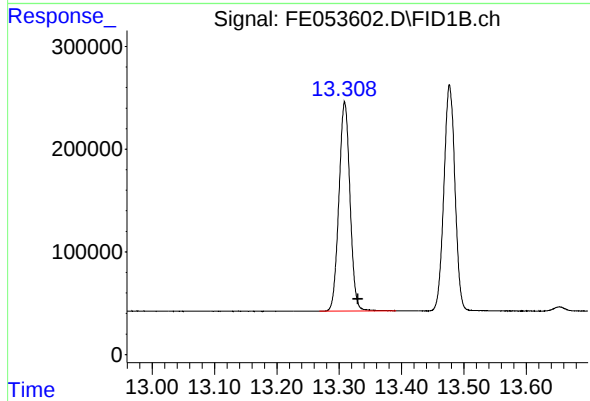
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.021 min
Response: 2749268
Conc: 18.89 ug/ml



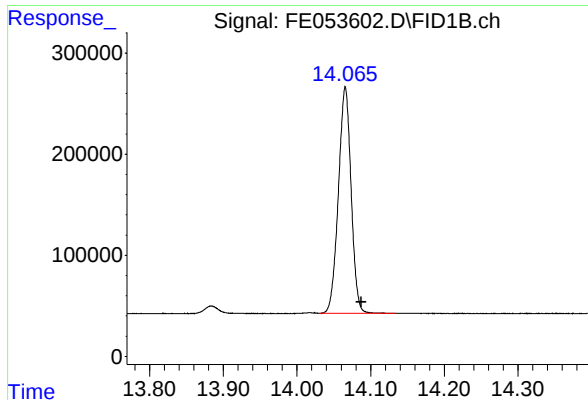
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.022 min
Response: 2716406
Conc: 18.75 ug/ml



#12 1-chlorooctadecane (SURR)

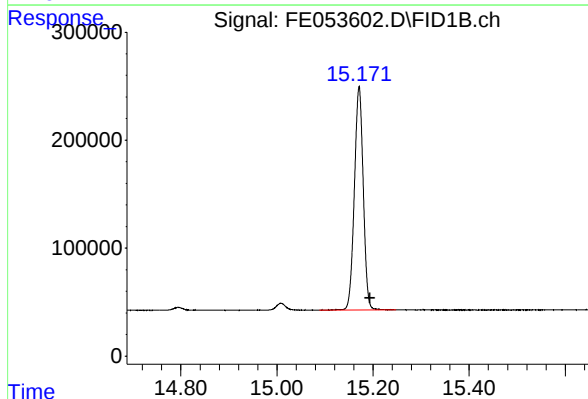
R.T.: 13.309 min
Delta R.T.: -0.022 min
Response: 2509890
Conc: 18.57 ug/ml



#13 n-Docosane (C22)

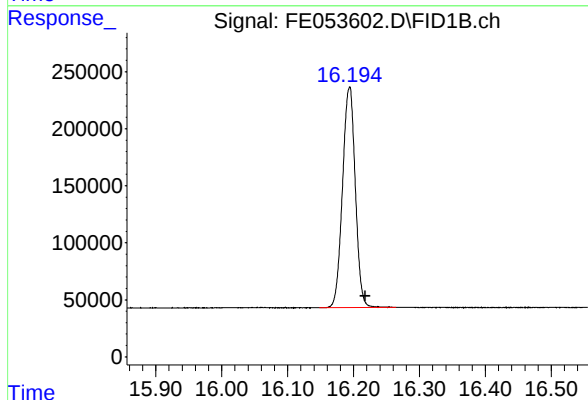
R.T.: 14.066 min
Delta R.T.: -0.022 min
Response: 2688653
Conc: 18.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



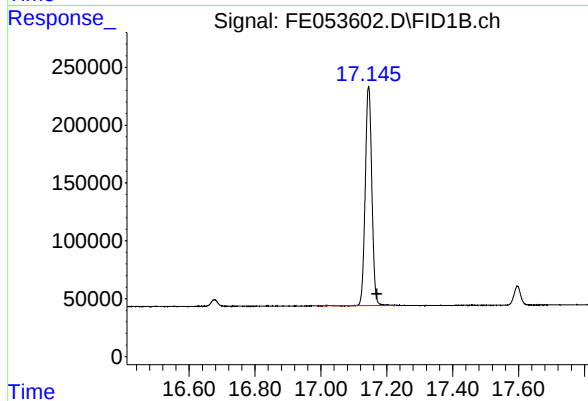
#14 n-Tetracosane (C24)

R.T.: 15.171 min
Delta R.T.: -0.023 min
Response: 2659067
Conc: 18.51 ug/ml



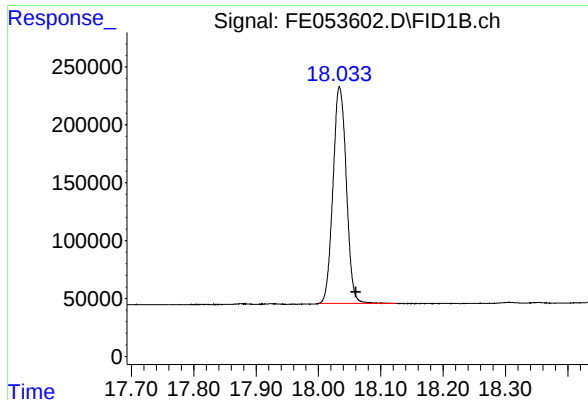
#15 n-Hexacosane (C26)

R.T.: 16.194 min
Delta R.T.: -0.024 min
Response: 2605435
Conc: 18.40 ug/ml



#16 n-Octacosane (C28)

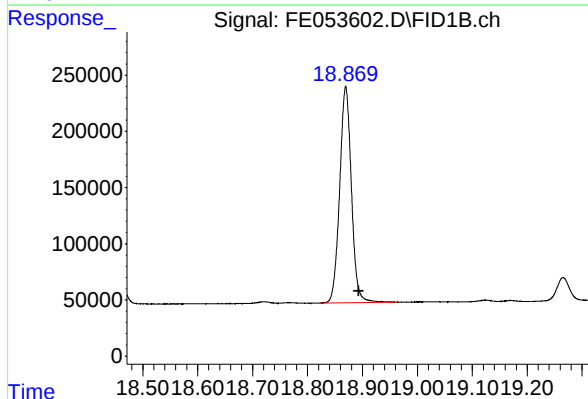
R.T.: 17.145 min
Delta R.T.: -0.025 min
Response: 2634676
Conc: 18.94 ug/ml



#17 n-Tricontane (C30)

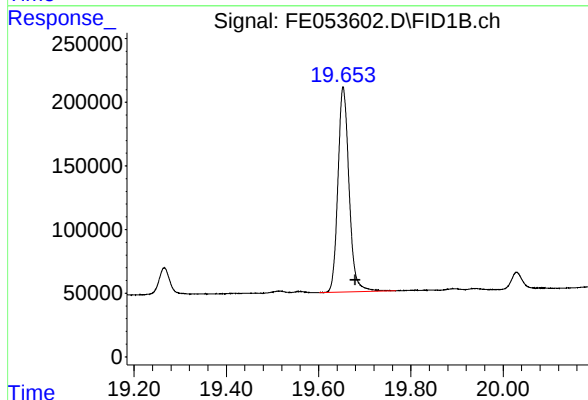
R.T.: 18.034 min
Delta R.T.: -0.026 min
Response: 2780956
Conc: 19.98 ug/ml

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20 PPM ALIPHATIC HC STD



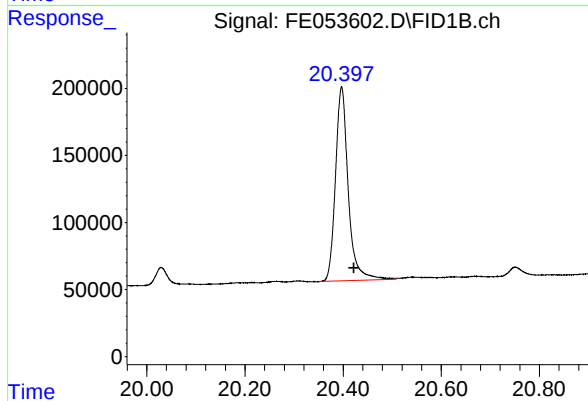
#18 n-Dotriacontane (C32)

R.T.: 18.870 min
Delta R.T.: -0.024 min
Response: 2844622
Conc: 20.72 ug/ml



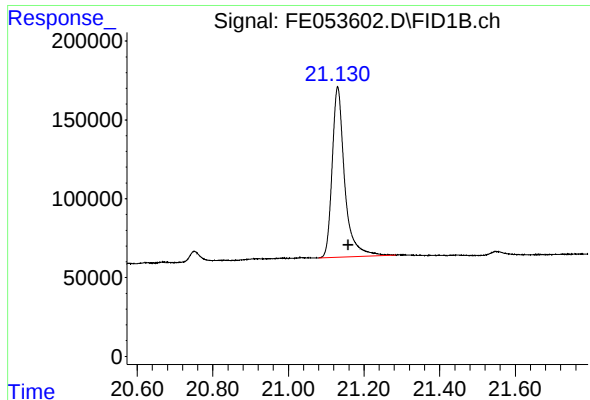
#19 n-Tetatriacontane (C34)

R.T.: 19.654 min
Delta R.T.: -0.026 min
Response: 2696931
Conc: 20.70 ug/ml



#20 n-Hexatriacontane (C36)

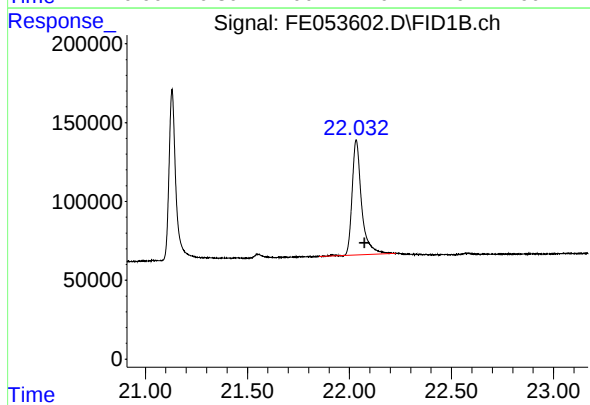
R.T.: 20.397 min
Delta R.T.: -0.025 min
Response: 2621511
Conc: 20.77 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.130 min
Delta R.T.: -0.028 min
Response: 2477347
Conc: 20.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.033 min
Delta R.T.: -0.041 min
Response: 2361338
Conc: 19.77 ug/ml