

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050825AL\
 Data File : FE053707.D
 Signal(s) : FID1B.ch
 Acq On : 08 May 2025 10:10
 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 05/09/2025
 Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e
 Quant Time: May 09 01:58:49 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)	11.860	3540469	19.630 ug/ml
Spiked Amount 50.000		Recovery =	39.26%
12) S 1-chlorooctadecane (S...	13.305	2602534	19.253 ug/ml
Spiked Amount 50.000		Recovery =	38.51%
Target Compounds			
1) T n-Nonane (C9)	3.209	2944095	21.474 ug/ml
2) T n-Decane (C10)	4.470	2975727	21.511 ug/ml
3) T A~Naphthalene (C11.7)	6.182	3220202	21.334 ug/ml
4) T n-Dodecane (C12)	6.650	3012205	21.478 ug/ml
5) T A~2-methylnaphthalene...	7.283	3151447	21.108 ug/ml
6) T n-Tetradecane (C14)	8.485	2974716	21.204 ug/ml
7) T n-Hexadecane (C16)	10.098	2967402	20.704 ug/ml
8) T n-Octadecane (C18)	11.546	2944794	20.207 ug/ml
10) T n-Eicosane (C20)	12.859	2861717	19.666 ug/ml
11) T n-Heneicosane (C21)	13.473	2824199	19.498 ug/ml
13) T n-Docosane (C22)	14.061	2786153	19.308 ug/ml
14) T n-Tetracosane (C24)	15.167	2731904	19.019 ug/ml
15) T n-Hexacosane (C26)	16.189	2687942	18.979 ug/ml
16) T n-Octacosane (C28)	17.141	2684271	19.294 ug/ml
17) T n-Tricontane (C30)	18.030	2810550	20.191 ug/mlm
18) T n-Dotriacontane (C32)	18.865	2840872	20.690 ug/ml
19) T n-Tetratriacontane (C34)	19.650	2756335	21.155 ug/ml
20) T n-Hexatriacontane (C36)	20.391	2721498	21.557 ug/ml
21) T n-Octatriacontane (C38)	21.123	2641698	21.683 ug/ml
22) T n-Tetracontane (C40)	22.025	2596322	21.741 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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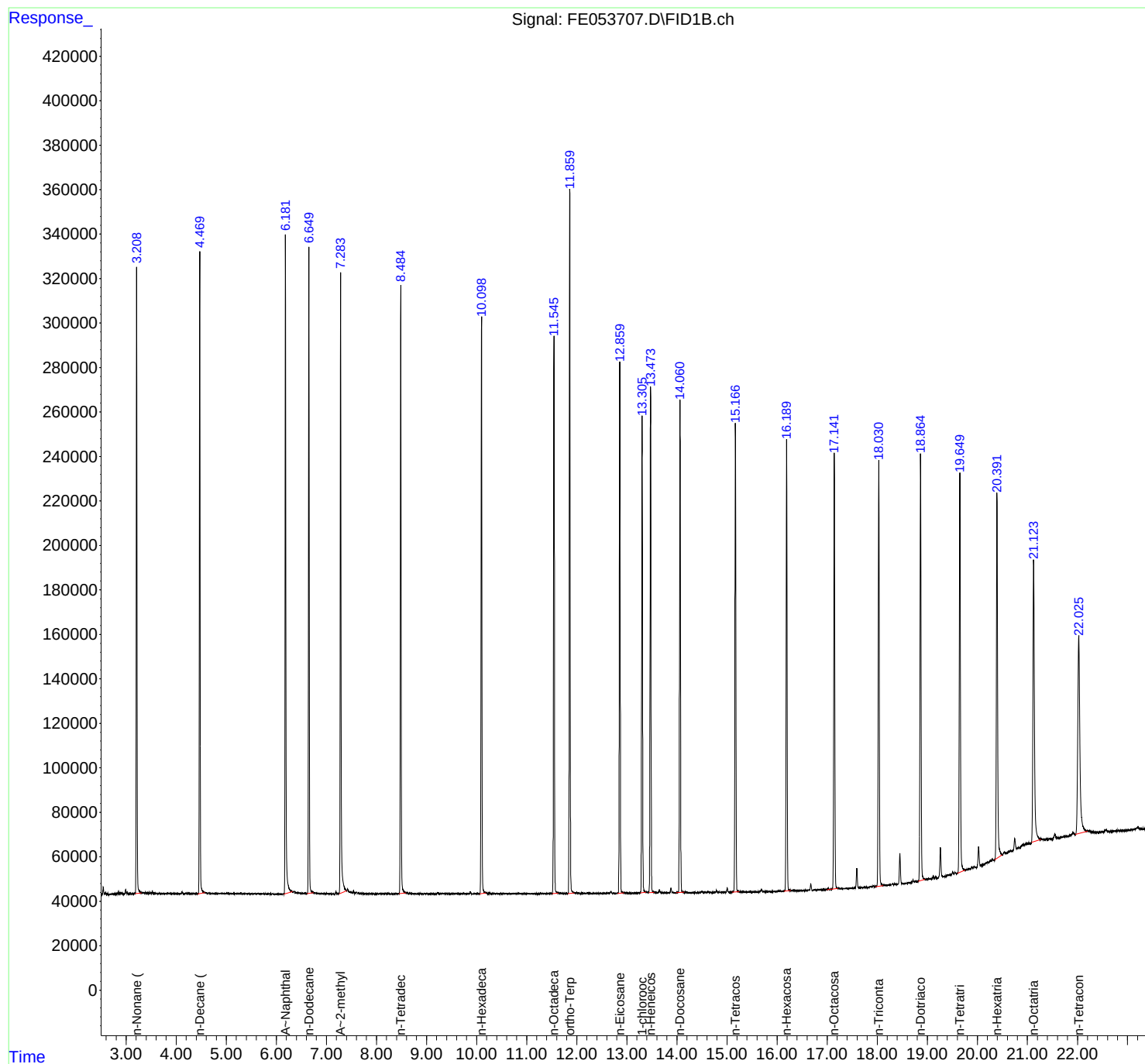
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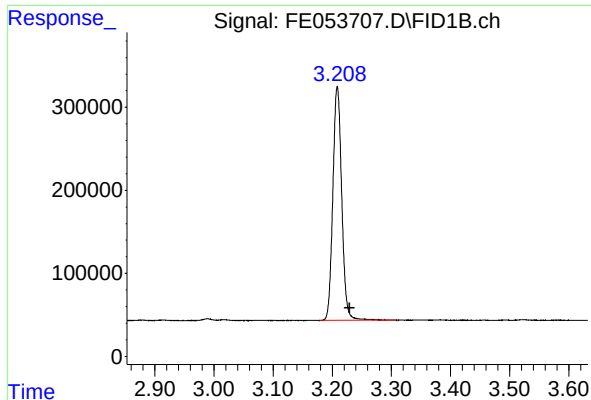
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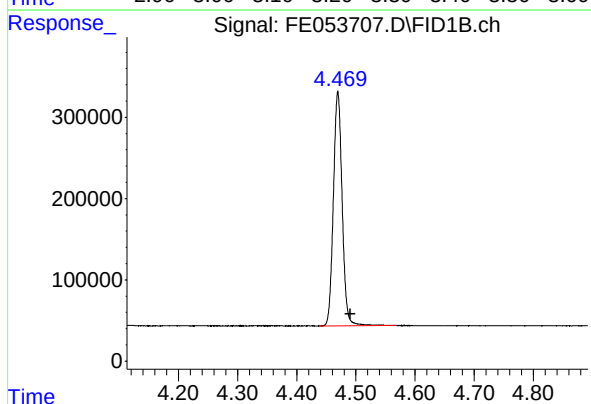
#1 n-Nonane (C9)

R.T.: 3.209 min
Delta R.T.: -0.021 min
Response: 2944095
Conc: 21.47 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

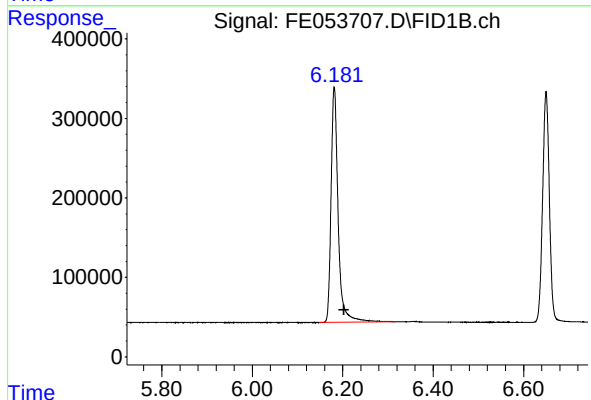
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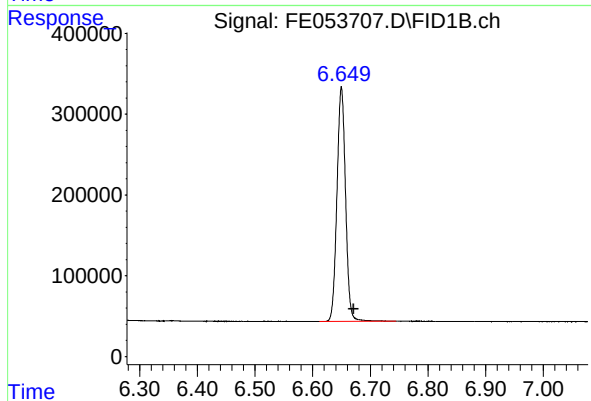
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: -0.021 min
Response: 2975727
Conc: 21.51 ug/ml



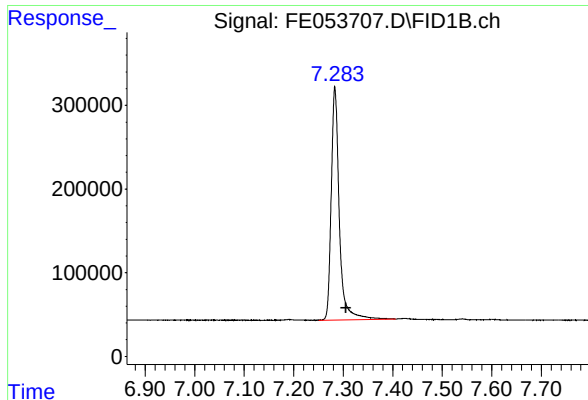
#3 A~Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: -0.022 min
Response: 3220202
Conc: 21.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.021 min
Response: 3012205
Conc: 21.48 ug/ml



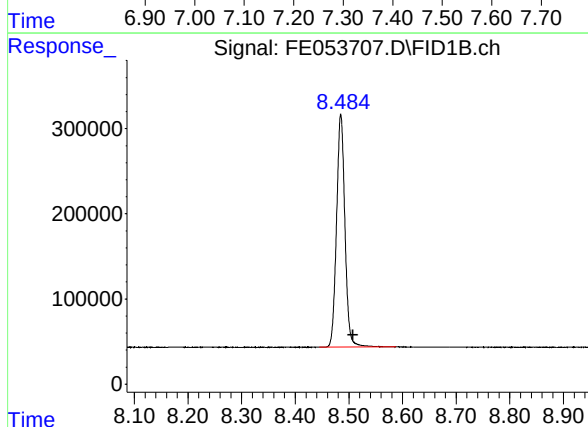
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.283 min
Delta R.T.: -0.022 min
Response: 3151447
Conc: 21.11 ug/ml

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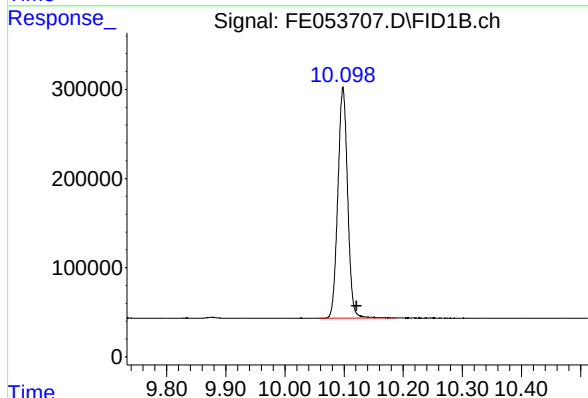
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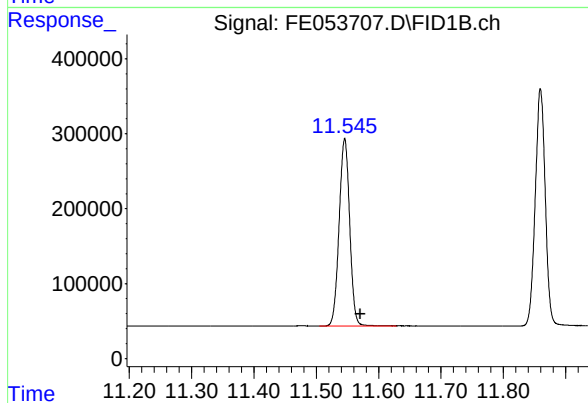
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: -0.023 min
Response: 2974716
Conc: 21.20 ug/ml



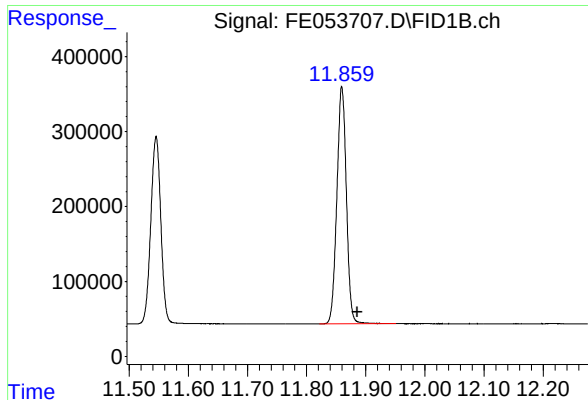
#7 n-Hexadecane (C16)

R.T.: 10.098 min
Delta R.T.: -0.023 min
Response: 2967402
Conc: 20.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.546 min
Delta R.T.: -0.025 min
Response: 2944794
Conc: 20.21 ug/ml



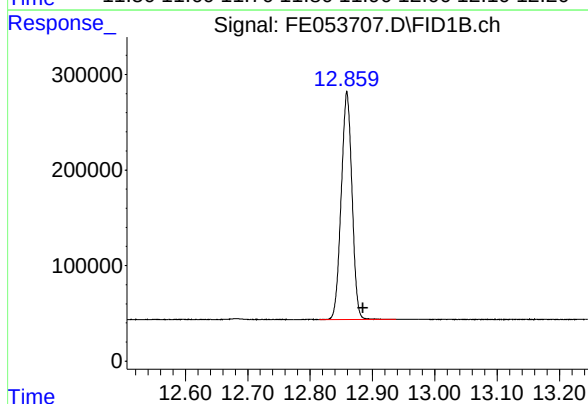
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.026 min
Response: 3540469
Conc: 19.63 ug/ml

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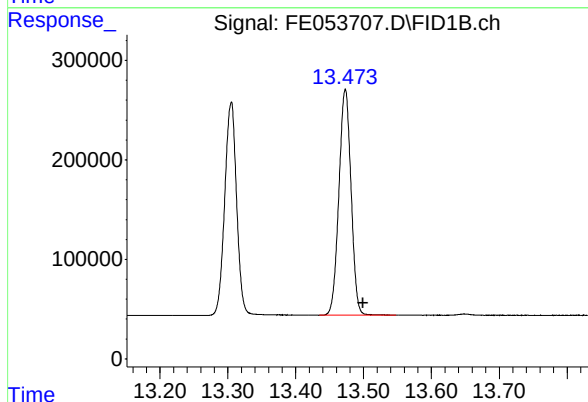
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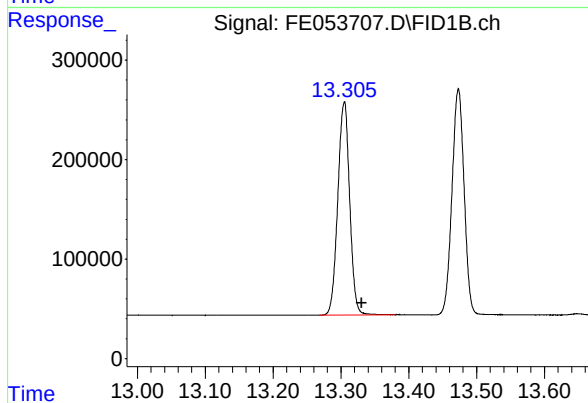
#10 n-Eicosane (C20)

R.T.: 12.859 min
Delta R.T.: -0.026 min
Response: 2861717
Conc: 19.67 ug/ml



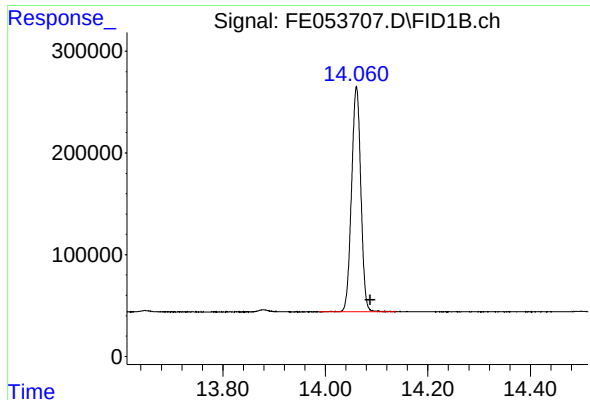
#11 n-Heneicosane (C21)

R.T.: 13.473 min
Delta R.T.: -0.026 min
Response: 2824199
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: -0.026 min
Response: 2602534
Conc: 19.25 ug/ml



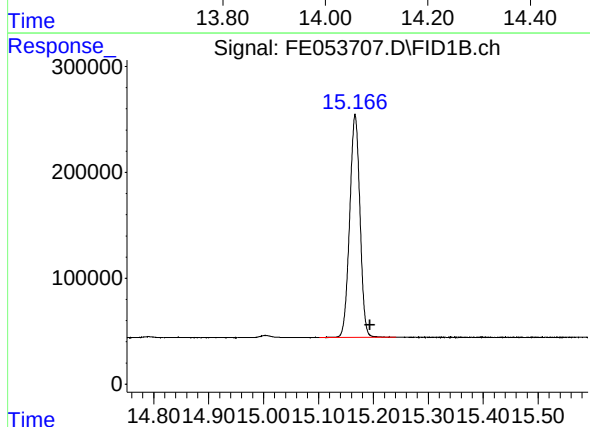
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.027 min
Response: 2786153
Conc: 19.31 ug/ml

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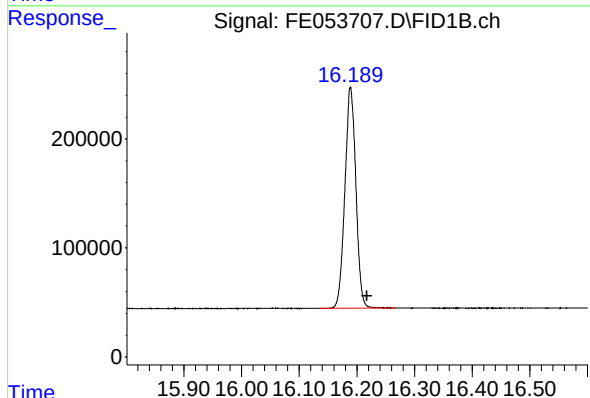
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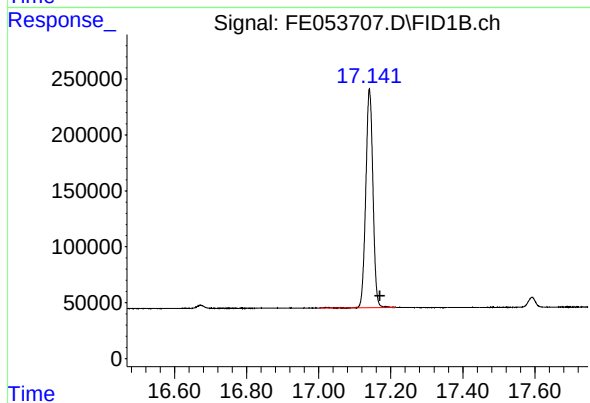
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: -0.027 min
Response: 2731904
Conc: 19.02 ug/ml



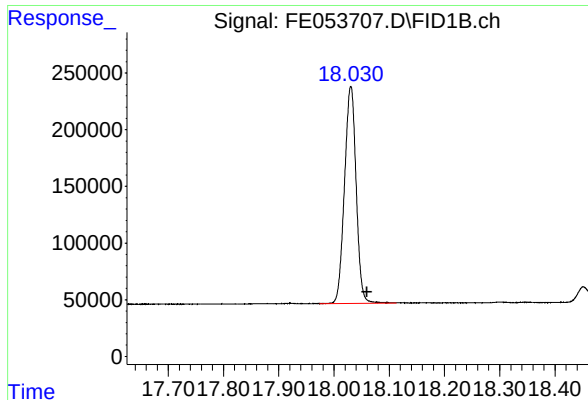
#15 n-Hexacosane (C26)

R.T.: 16.189 min
Delta R.T.: -0.028 min
Response: 2687942
Conc: 18.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.141 min
Delta R.T.: -0.029 min
Response: 2684271
Conc: 19.29 ug/ml



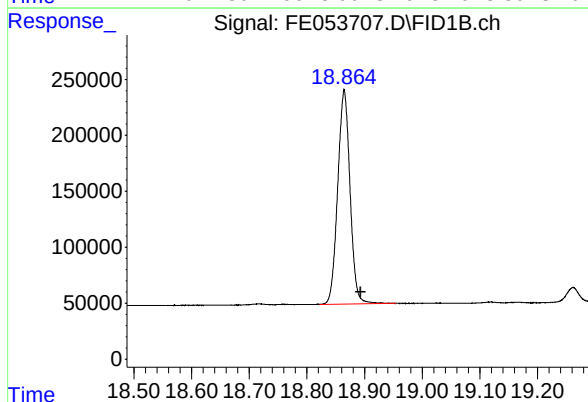
#17 n-Tricontane (C30)

R.T.: 18.030 min
Delta R.T.: -0.030 min
Response: 2810550
Conc: 20.19 ug/ml

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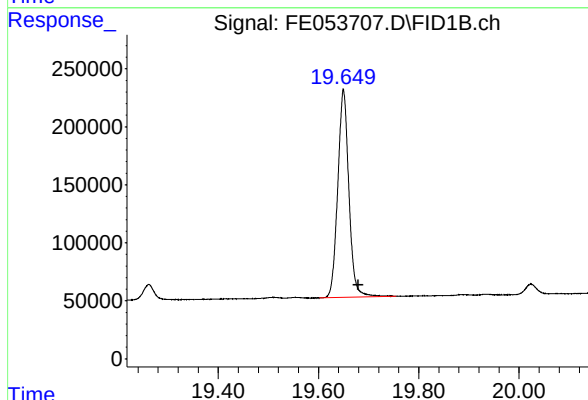
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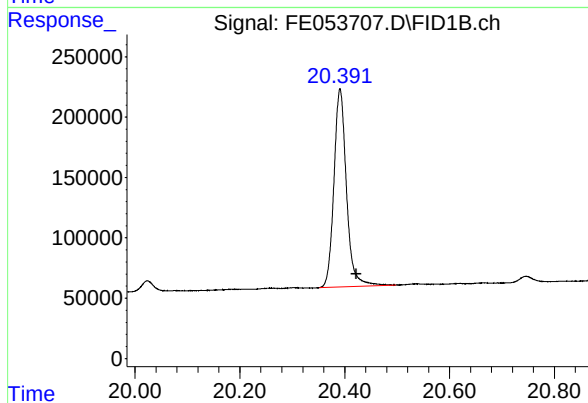
#18 n-Dotriacontane (C32)

R.T.: 18.865 min
Delta R.T.: -0.029 min
Response: 2840872
Conc: 20.69 ug/ml



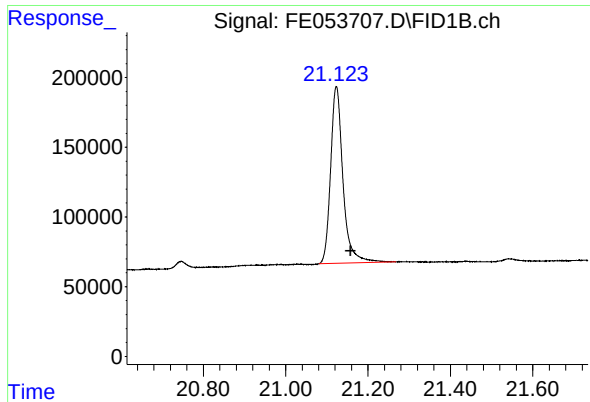
#19 n-Tetratriacontane (C34)

R.T.: 19.650 min
Delta R.T.: -0.030 min
Response: 2756335
Conc: 21.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.391 min
Delta R.T.: -0.031 min
Response: 2721498
Conc: 21.56 ug/ml



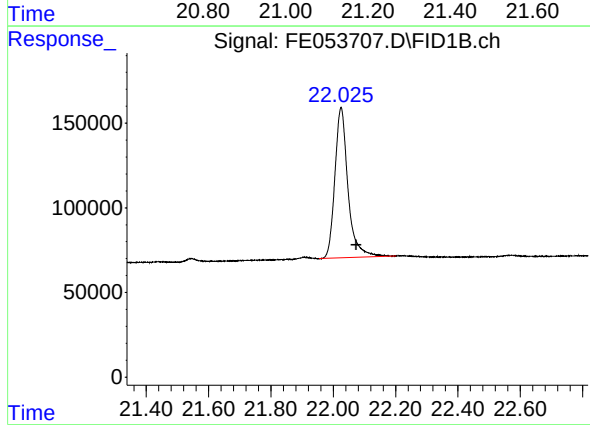
#21 n-Octatriacontane (C38)

R.T.: 21.123 min
Delta R.T.: -0.035 min
Response: 2641698
Conc: 21.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.025 min
Delta R.T.: -0.048 min
Response: 2596322
Conc: 21.74 ug/ml