

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050725AL\
 Data File : FE053704.D
 Signal(s) : FID1B.ch
 Acq On : 07 May 2025 22:56
 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 05/08/2025
 Supervised By :mohammad ahmed 05/09/2025

Integration File: autoint1.e
 Quant Time: May 08 01:59:15 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	3536011	19.605 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.305	2615970	19.352 ug/ml
Spiked Amount 50.000		Recovery =	38.70%
Target Compounds			
1) T n-Nonane (C9)	3.207	2929099	21.364 ug/ml
2) T n-Decane (C10)	4.469	2962844	21.418 ug/ml
3) T A~Naphthalene (C11.7)	6.182	3219915	21.332 ug/ml
4) T n-Dodecane (C12)	6.650	2992269	21.335 ug/ml
5) T A~2-methylnaphthalene...	7.284	3143102	21.052 ug/ml
6) T n-Tetradecane (C14)	8.485	2962671	21.118 ug/ml
7) T n-Hexadecane (C16)	10.098	2960524	20.656 ug/ml
8) T n-Octadecane (C18)	11.546	2937687	20.158 ug/ml
10) T n-Eicosane (C20)	12.860	2861131	19.662 ug/ml
11) T n-Heneicosane (C21)	13.473	2821678	19.481 ug/ml
13) T n-Docosane (C22)	14.061	2777788	19.250 ug/ml
14) T n-Tetracosane (C24)	15.167	2732958	19.026 ug/ml
15) T n-Hexacosane (C26)	16.190	2682662	18.941 ug/ml
16) T n-Octacosane (C28)	17.142	2666289	19.165 ug/ml
17) T n-Tricontane (C30)	18.030	2760145	19.829 ug/mlm
18) T n-Dotriacontane (C32)	18.865	2794342	20.351 ug/ml
19) T n-Tetratriacontane (C34)	19.649	2709787	20.798 ug/ml
20) T n-Hexatriacontane (C36)	20.391	2704039	21.419 ug/ml
21) T n-Octatriacontane (C38)	21.123	2648740	21.741 ug/ml
22) T n-Tetracontane (C40)	22.024	2650830	22.197 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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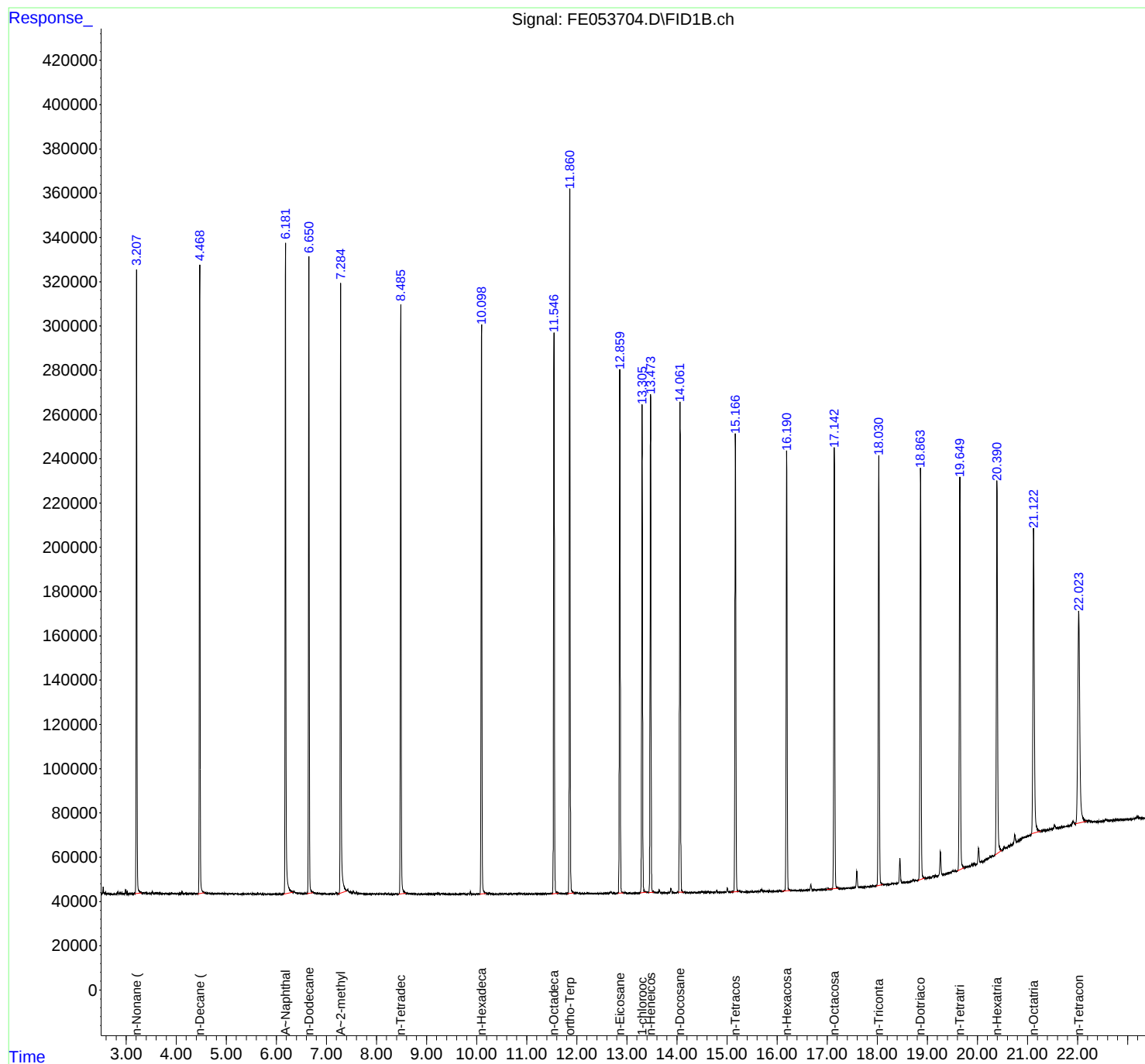
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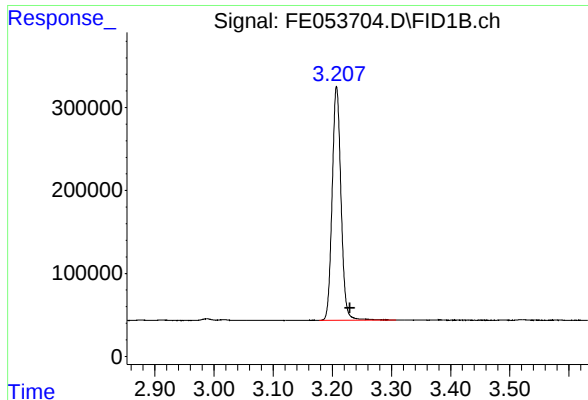
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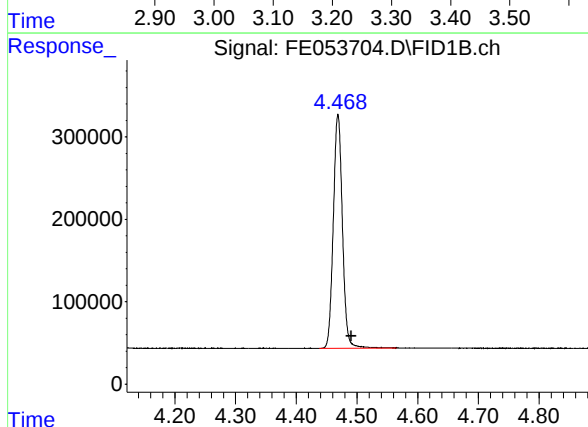
#1 n-Nonane (C9)

R.T.: 3.207 min
Delta R.T.: -0.023 min
Response: 2929099
Conc: 21.36 ug/ml

Instrument :
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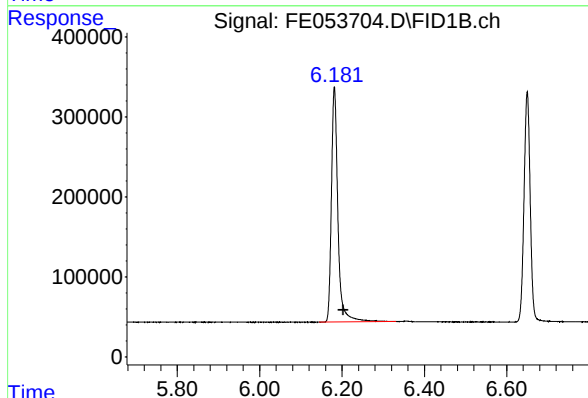
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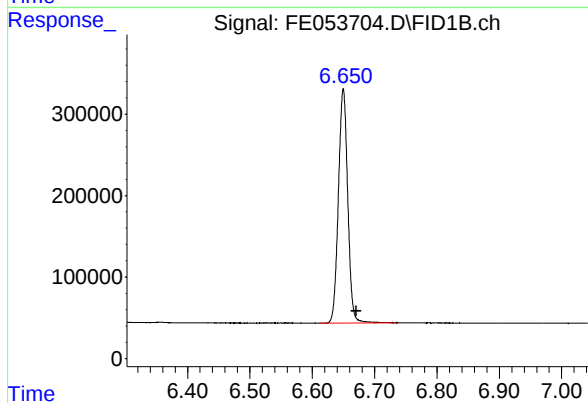
#2 n-Decane (C10)

R.T.: 4.469 min
Delta R.T.: -0.022 min
Response: 2962844
Conc: 21.42 ug/ml



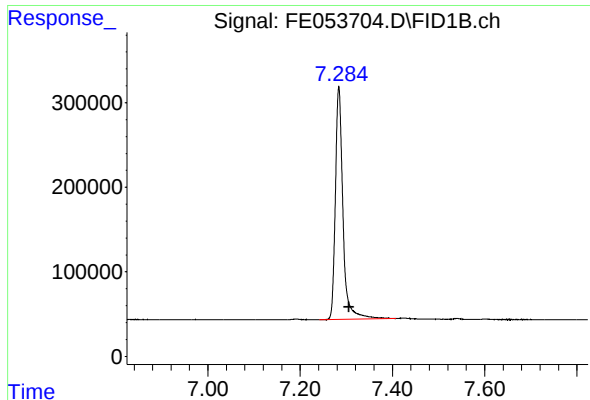
#3 A~Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: -0.022 min
Response: 3219915
Conc: 21.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.021 min
Response: 2992269
Conc: 21.34 ug/ml



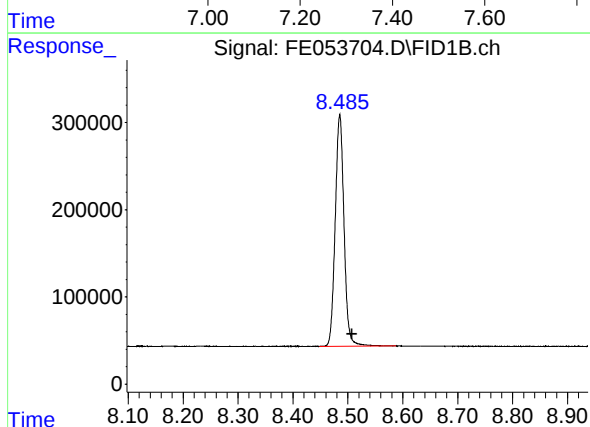
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.284 min
Delta R.T.: -0.022 min
Response: 3143102
Conc: 21.05 ug/ml

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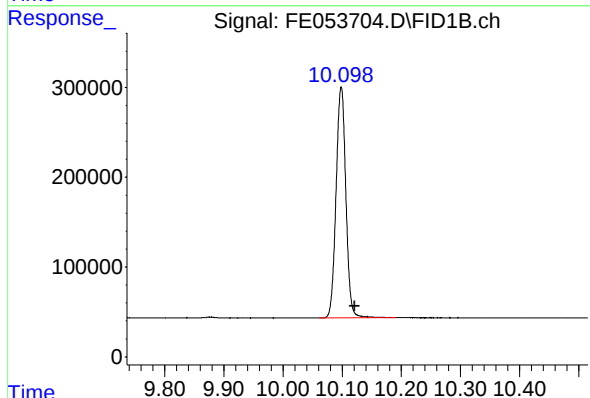
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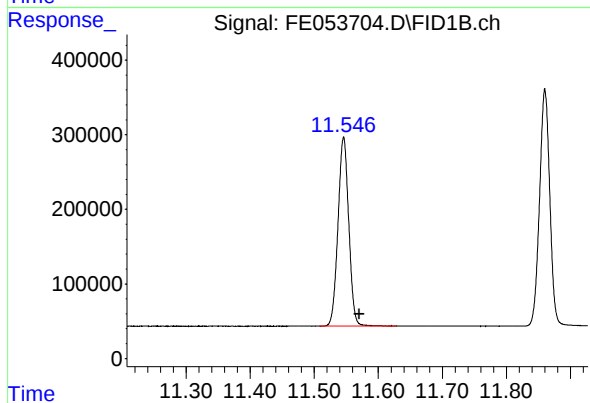
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: -0.022 min
Response: 2962671
Conc: 21.12 ug/ml



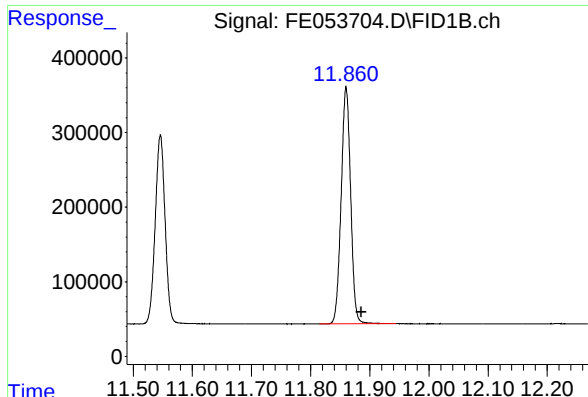
#7 n-Hexadecane (C16)

R.T.: 10.098 min
Delta R.T.: -0.023 min
Response: 2960524
Conc: 20.66 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.546 min
Delta R.T.: -0.025 min
Response: 2937687
Conc: 20.16 ug/ml



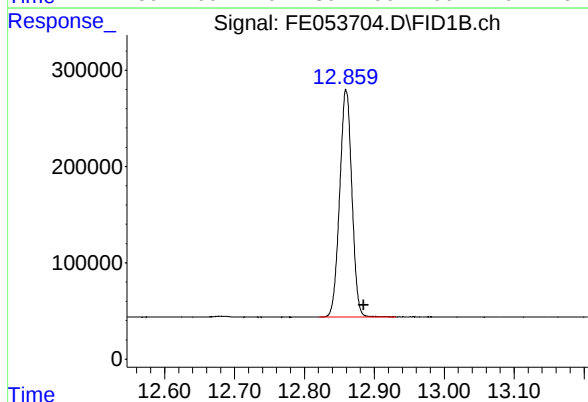
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.026 min
Response: 3536011
Conc: 19.61 ug/ml

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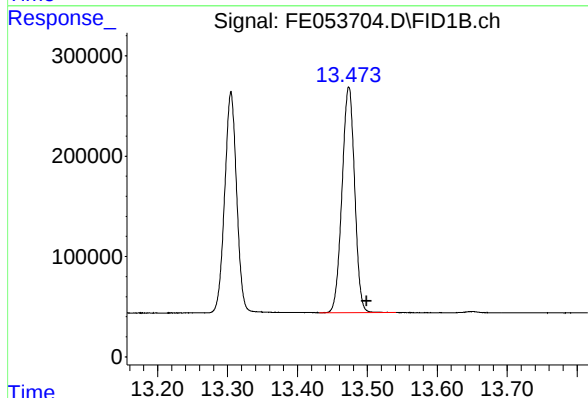
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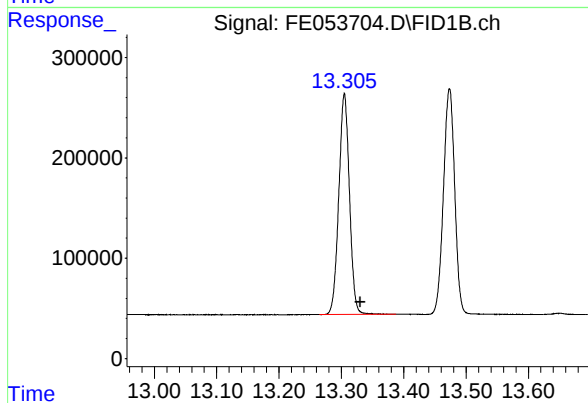
#10 n-Eicosane (C20)

R.T.: 12.860 min
Delta R.T.: -0.025 min
Response: 2861131
Conc: 19.66 ug/ml



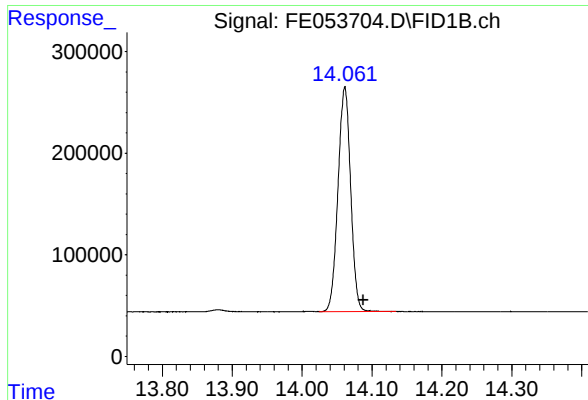
#11 n-Heneicosane (C21)

R.T.: 13.473 min
Delta R.T.: -0.026 min
Response: 2821678
Conc: 19.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.305 min
Delta R.T.: -0.025 min
Response: 2615970
Conc: 19.35 ug/ml



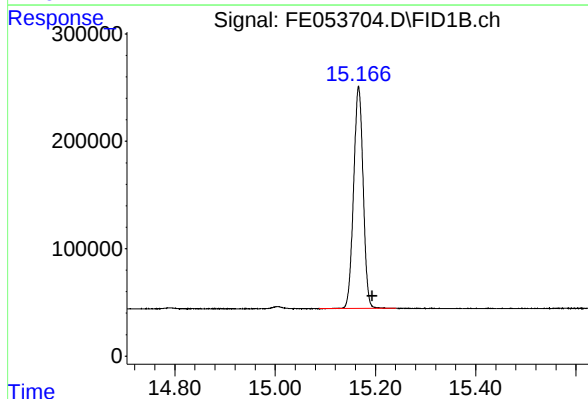
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.026 min
Response: 2777788
Conc: 19.25 ug/ml

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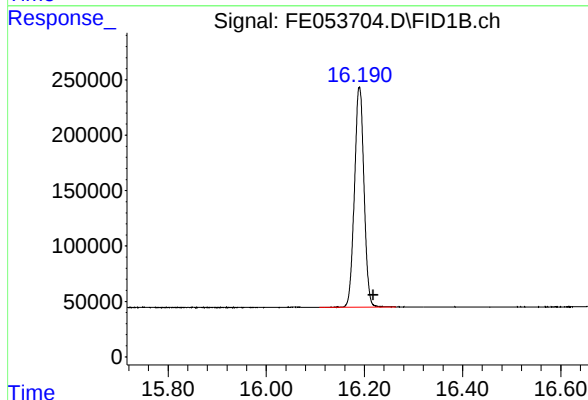
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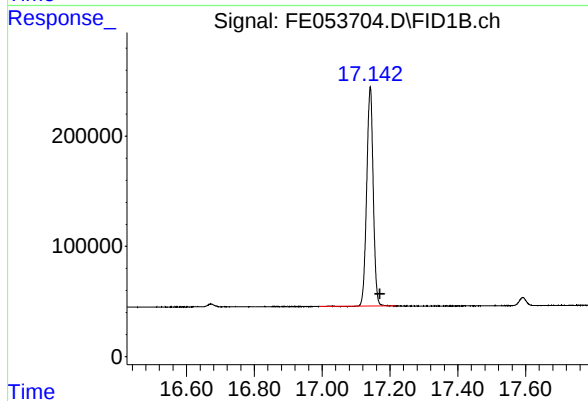
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: -0.027 min
Response: 2732958
Conc: 19.03 ug/ml



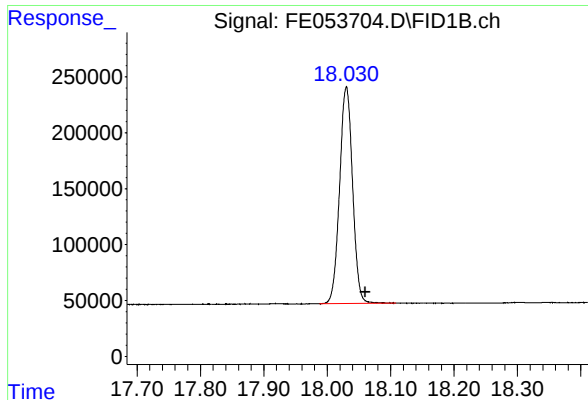
#15 n-Hexacosane (C26)

R.T.: 16.190 min
Delta R.T.: -0.028 min
Response: 2682662
Conc: 18.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.142 min
Delta R.T.: -0.028 min
Response: 2666289
Conc: 19.16 ug/ml



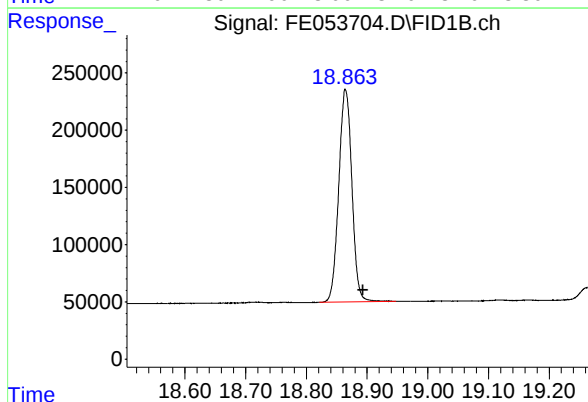
#17 n-Tricontane (C30)

R.T.: 18.030 min
Delta R.T.: -0.030 min
Response: 2760145
Conc: 19.83 ug/ml

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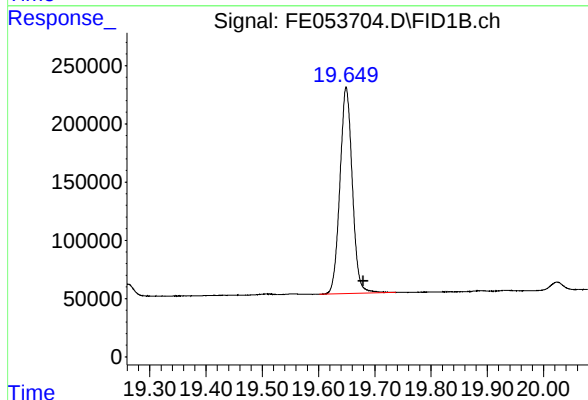
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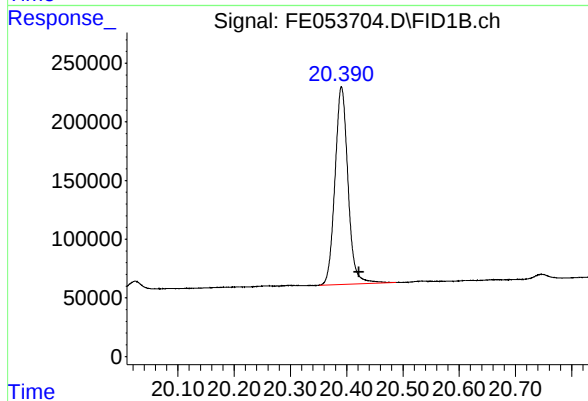
#18 n-Dotriacontane (C32)

R.T.: 18.865 min
Delta R.T.: -0.029 min
Response: 2794342
Conc: 20.35 ug/ml



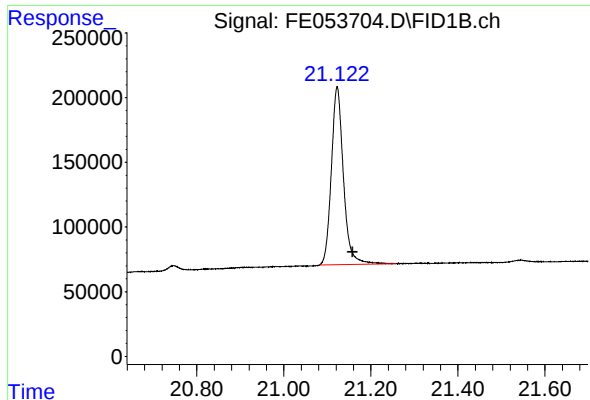
#19 n-Tetratriacontane (C34)

R.T.: 19.649 min
Delta R.T.: -0.030 min
Response: 2709787
Conc: 20.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.391 min
Delta R.T.: -0.031 min
Response: 2704039
Conc: 21.42 ug/ml



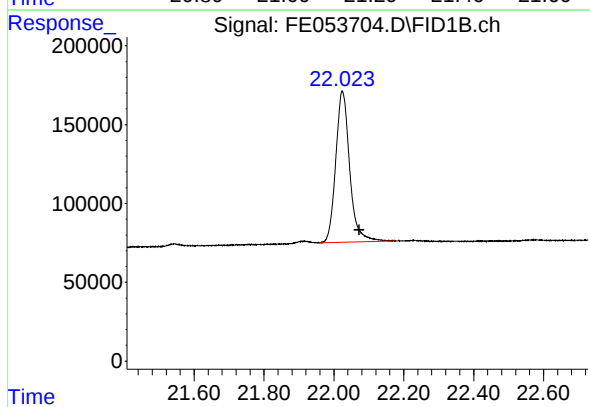
#21 n-Octatriacontane (C38)

R.T.: 21.123 min
Delta R.T.: -0.036 min
Response: 2648740
Conc: 21.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.024 min
Delta R.T.: -0.049 min
Response: 2650830
Conc: 22.20 ug/ml