

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102425AL\
 Data File : FE056488.D
 Signal(s) : FID1B.ch
 Acq On : 24 Oct 2025 13:23
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File: autoint1.e
 Quant Time: Oct 25 00:30:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 24 08:17:58 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)	12.003	3581493	17.531 ug/ml
Spiked Amount 50.000		Recovery =	35.06%
12) S 1-chlorooctadecane (S...	13.442	2681643	17.575 ug/ml
Spiked Amount 50.000		Recovery =	35.15%
Target Compounds			
1) T n-Nonane (C9)	3.357	2825293	17.333 ug/ml
2) T n-Decane (C10)	4.609	3067729	18.654 ug/mlm
3) T A~Naphthalene (C11.7)	6.324	3175339	17.962 ug/ml
4) T n-Dodecane (C12)	6.783	3135288	18.687 ug/ml
5) T A~2-methylnaphthalene...	7.424	3057147	18.348 ug/ml
6) T n-Tetradecane (C14)	8.618	3090944	18.605 ug/ml
7) T n-Hexadecane (C16)	10.232	3209924	18.347 ug/ml
8) T n-Octadecane (C18)	11.680	3286866	18.019 ug/ml
10) T n-Eicosane (C20)	12.995	3135158	17.608 ug/ml
11) T n-Heneicosane (C21)	13.609	3067188	17.482 ug/ml
13) T n-Docosane (C22)	14.197	3071279	17.351 ug/ml
14) T n-Tetracosane (C24)	15.303	3080679	16.933 ug/ml
15) T n-Hexacosane (C26)	16.327	3009484	16.765 ug/ml
16) T n-Octacosane (C28)	17.279	3005320	16.894 ug/mlm
17) T n-Tricontane (C30)	18.169	3312860	18.247 ug/ml
18) T n-Dotriacontane (C32)	19.003	3411219	19.349 ug/ml
19) T n-Tetratriacontane (C34)	19.788	3072868	19.851 ug/ml
20) T n-Hexatriacontane (C36)	20.530	2541661	20.344 ug/ml
21) T n-Octatriacontane (C38)	21.290	2240083	21.440 ug/ml
22) T n-Tetracontane (C40)	22.245	2083229	22.957 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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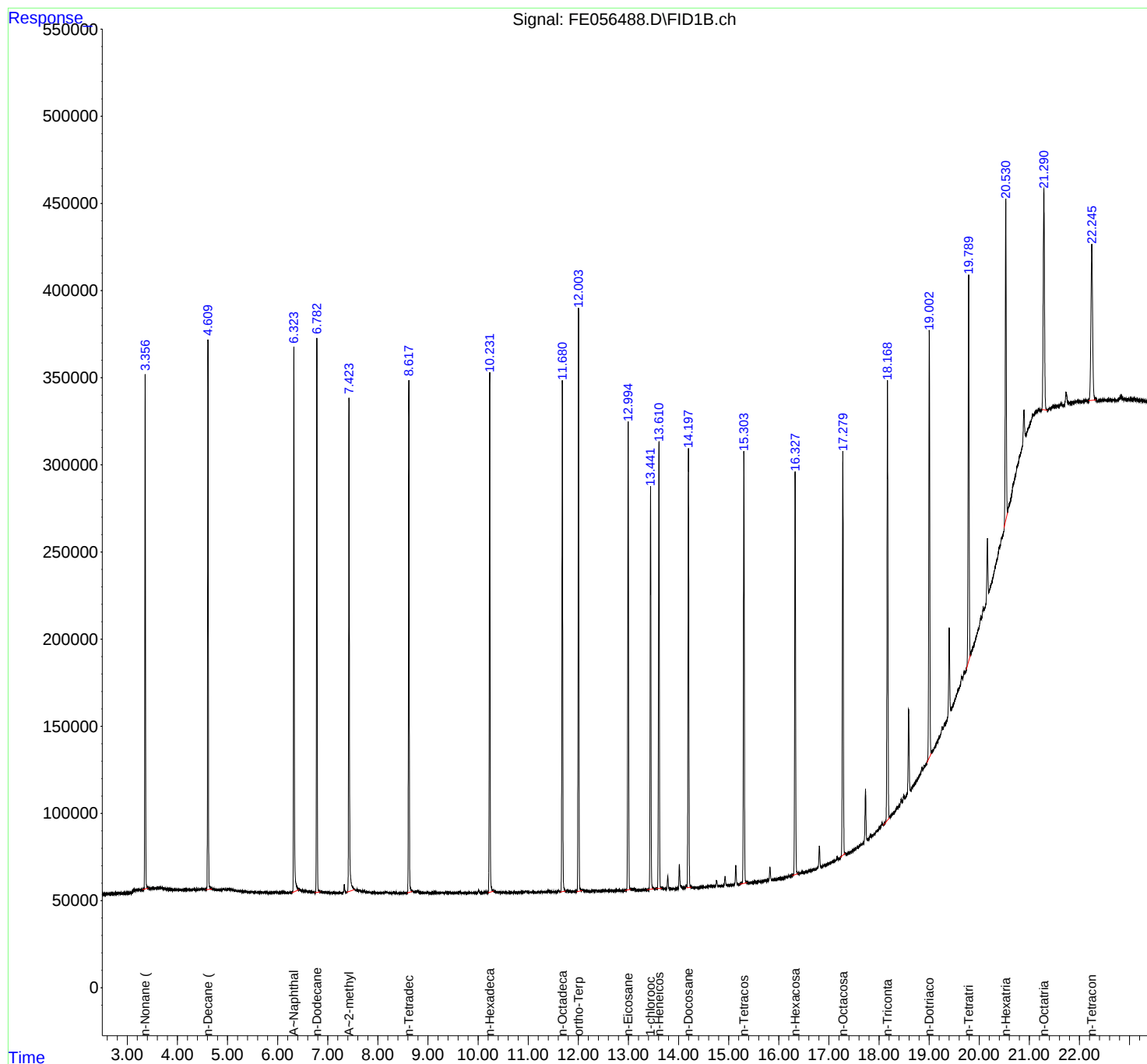
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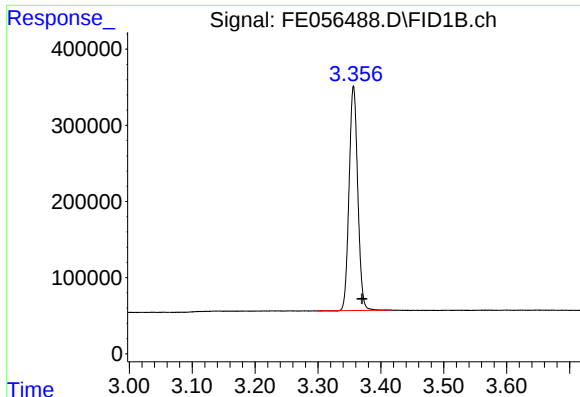
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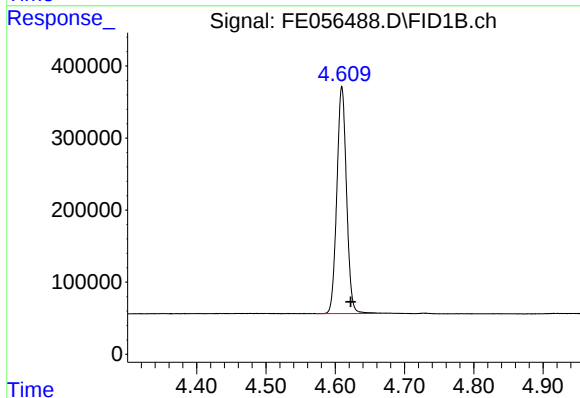
#1 n-Nonane (C9)

R.T.: 3.357 min
Delta R.T.: -0.013 min
Response: 2825293
Conc: 17.33 ug/ml

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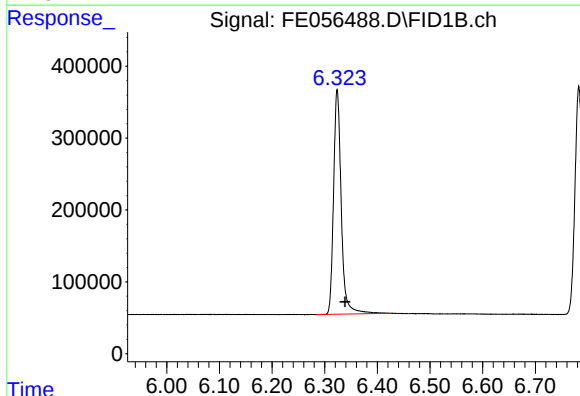
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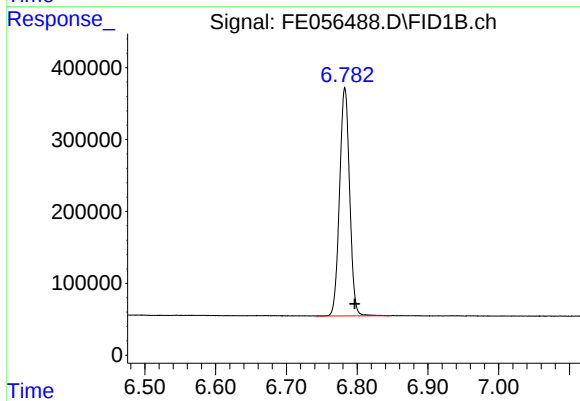
#2 n-Decane (C10)

R.T.: 4.609 min
Delta R.T.: -0.013 min
Response: 3067729
Conc: 18.65 ug/ml m



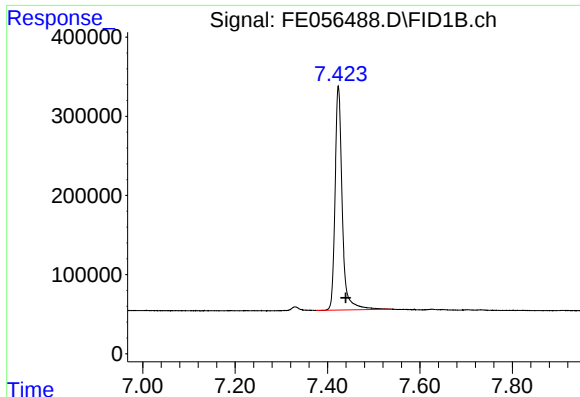
#3 A~Naphthalene (C11.7)

R.T.: 6.324 min
Delta R.T.: -0.015 min
Response: 3175339
Conc: 17.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.783 min
Delta R.T.: -0.014 min
Response: 3135288
Conc: 18.69 ug/ml



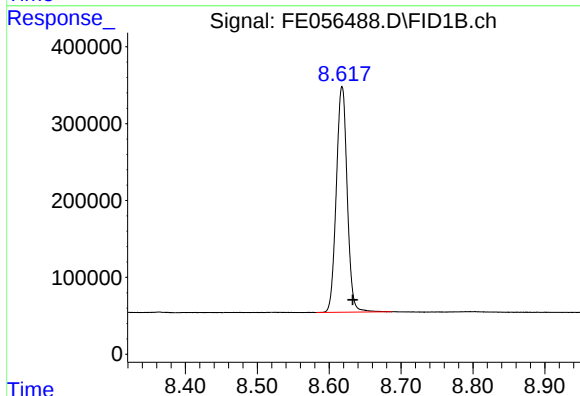
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.424 min
Delta R.T.: -0.016 min
Response: 3057147
Conc: 18.35 ug/ml

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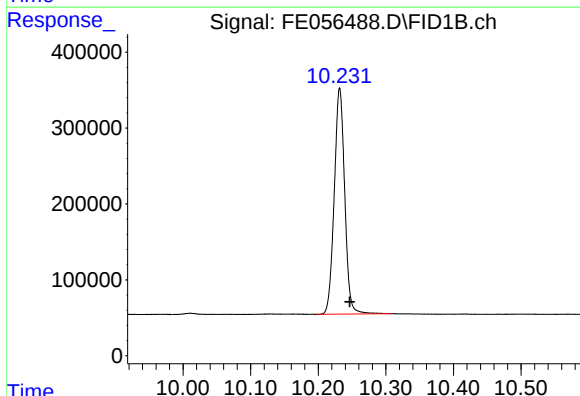
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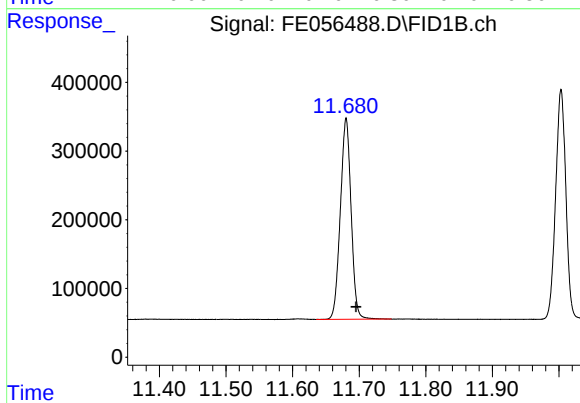
#6 n-Tetradecane (C14)

R.T.: 8.618 min
Delta R.T.: -0.015 min
Response: 3090944
Conc: 18.61 ug/ml



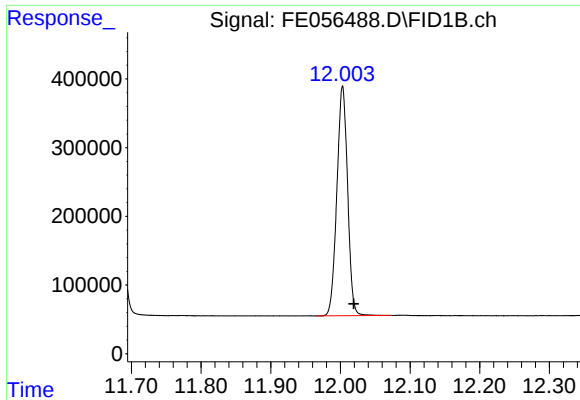
#7 n-Hexadecane (C16)

R.T.: 10.232 min
Delta R.T.: -0.015 min
Response: 3209924
Conc: 18.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.680 min
Delta R.T.: -0.015 min
Response: 3286866
Conc: 18.02 ug/ml



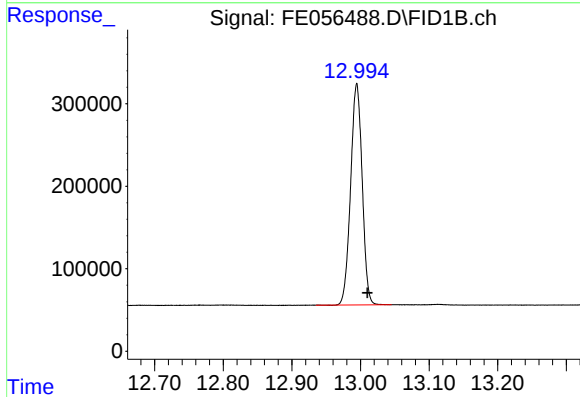
#9 ortho-Terphenyl (SURR)

R.T.: 12.003 min
Delta R.T.: -0.016 min
Response: 3581493
Conc: 17.53 ug/ml

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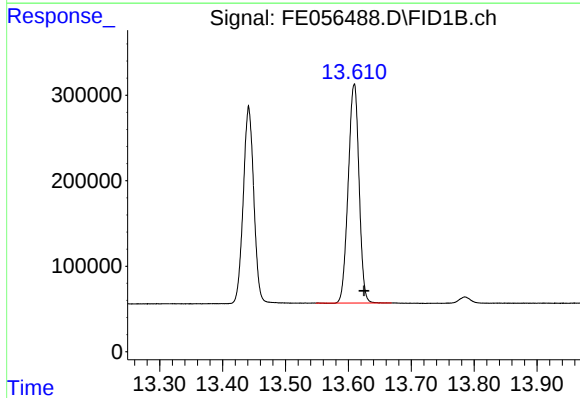
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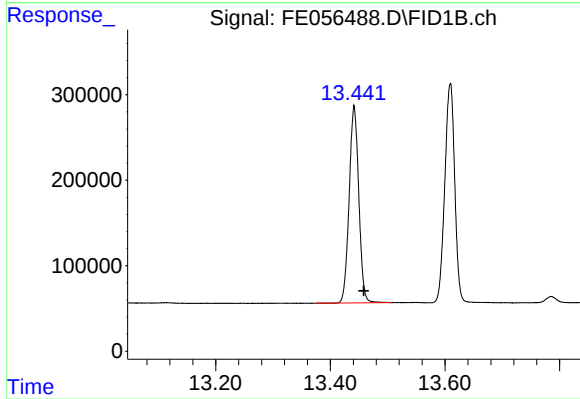
#10 n-Eicosane (C20)

R.T.: 12.995 min
Delta R.T.: -0.016 min
Response: 3135158
Conc: 17.61 ug/ml



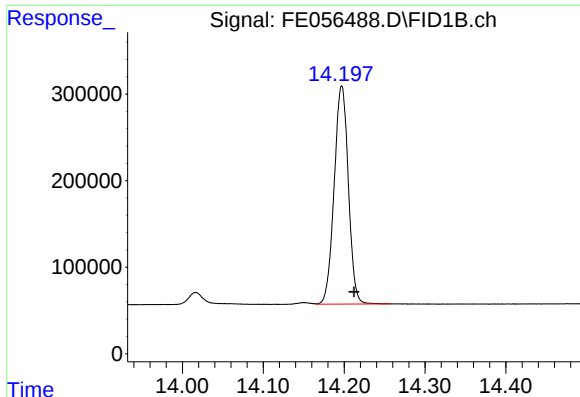
#11 n-Heneicosane (C21)

R.T.: 13.609 min
Delta R.T.: -0.016 min
Response: 3067188
Conc: 17.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.442 min
Delta R.T.: -0.017 min
Response: 2681643
Conc: 17.58 ug/ml



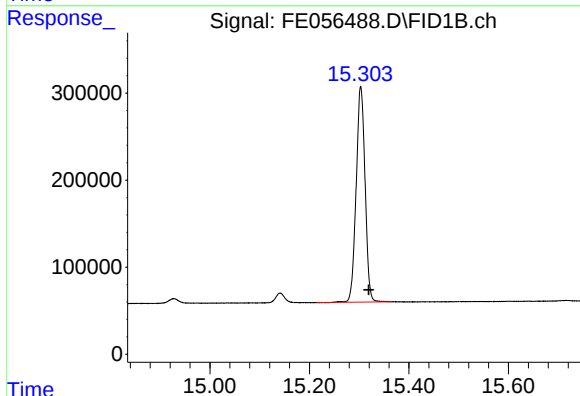
#13 n-Docosane (C22)

R.T.: 14.197 min
Delta R.T.: -0.015 min
Response: 3071279
Conc: 17.35 ug/ml

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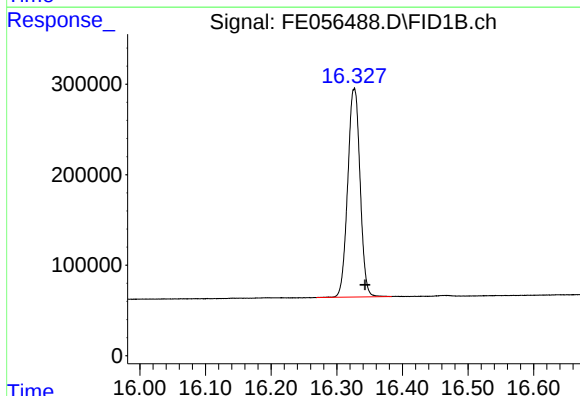
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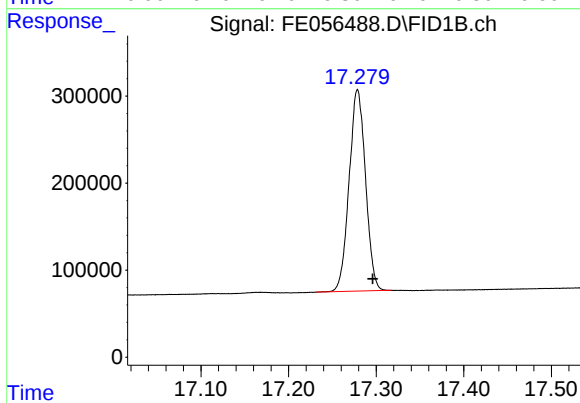
#14 n-Tetracosane (C24)

R.T.: 15.303 min
Delta R.T.: -0.016 min
Response: 3080679
Conc: 16.93 ug/ml



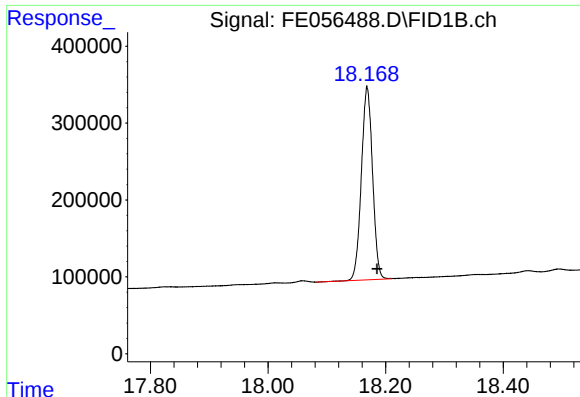
#15 n-Hexacosane (C26)

R.T.: 16.327 min
Delta R.T.: -0.016 min
Response: 3009484
Conc: 16.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.279 min
Delta R.T.: -0.017 min
Response: 3005320
Conc: 16.89 ug/ml m



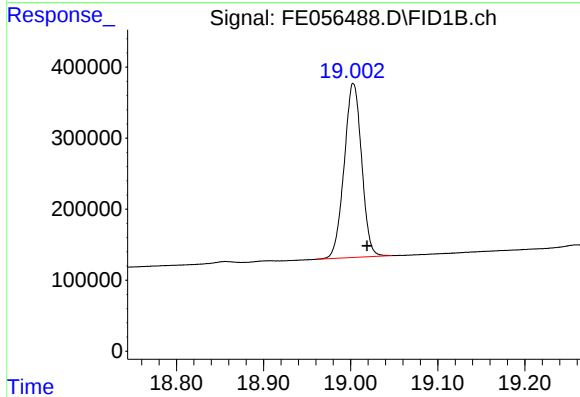
#17 n-Tricontane (C30)

R.T.: 18.169 min
Delta R.T.: -0.017 min
Response: 3312860
Conc: 18.25 ug/ml

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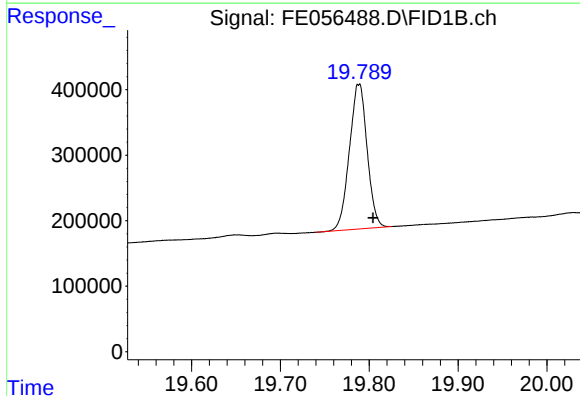
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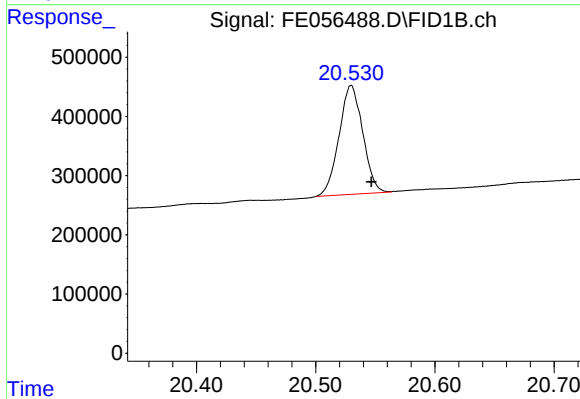
#18 n-Dotriacontane (C32)

R.T.: 19.003 min
Delta R.T.: -0.016 min
Response: 3411219
Conc: 19.35 ug/ml



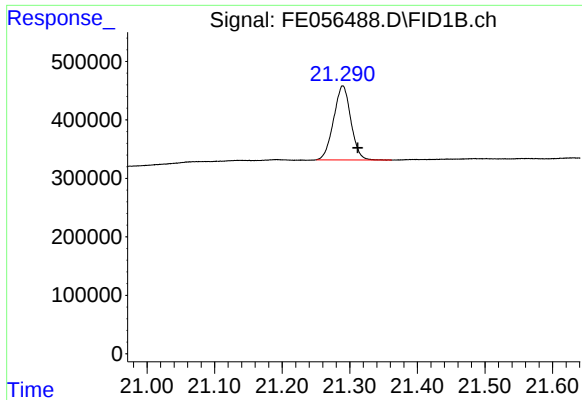
#19 n-Tetratriacontane (C34)

R.T.: 19.788 min
Delta R.T.: -0.016 min
Response: 3072868
Conc: 19.85 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.530 min
Delta R.T.: -0.017 min
Response: 2541661
Conc: 20.34 ug/ml



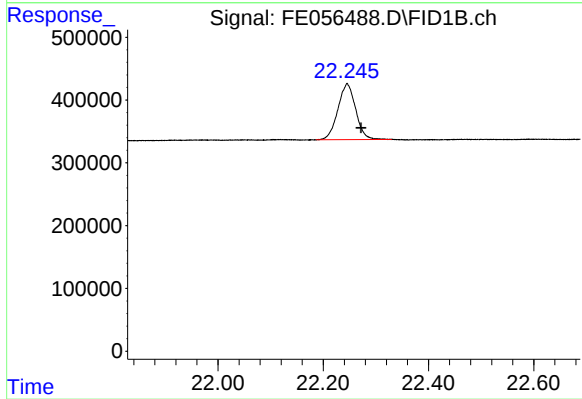
#21 n-Octatriacontane (C38)

R.T.: 21.290 min
Delta R.T.: -0.022 min
Response: 2240083
Conc: 21.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.245 min
Delta R.T.: -0.027 min
Response: 2083229
Conc: 22.96 ug/ml m