

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069355.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 12:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
 Quant Time: Jul 03 02:11:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.675	3412655	19.754 ug/ml
Spiked Amount 50.000		Recovery =	39.51%
12) S 1-chlorooctadecane (S...	13.110	2590140	19.826 ug/ml
Spiked Amount 50.000		Recovery =	39.65%
Target Compounds			
1) T n-Nonane (C9)	3.404	3034003	21.333 ug/ml
2) T n-Decane (C10)	4.478	3129768	21.379 ug/ml
3) T A~Naphthalene (C11.7)	6.073	3432971	21.337 ug/ml
4) T n-Dodecane (C12)	6.504	3175280	20.969 ug/ml
5) T A~2-methylnaphthalene...	7.133	3325550	21.015 ug/ml
6) T n-Tetradecane (C14)	8.303	3170365	20.453 ug/ml
7) T n-Hexadecane (C16)	9.908	3254549	19.916 ug/ml
8) T n-Octadecane (C18)	11.353	3226622	19.762 ug/ml
10) T n-Eicosane (C20)	12.664	3037026	19.897 ug/ml
11) T n-Heneicosane (C21)	13.277	2953074	20.035 ug/ml
13) T n-Docosane (C22)	13.864	2907426	20.207 ug/ml
14) T n-Tetracosane (C24)	14.970	2833420	20.542 ug/ml
15) T n-Hexacosane (C26)	15.992	2690465	20.581 ug/ml
16) T n-Octacosane (C28)	16.943	2581486	20.932 ug/ml
17) T n-Tricontane (C30)	17.832	2566313	21.587 ug/ml
18) T n-Dotriacontane (C32)	18.666	2425775	22.186 ug/ml
19) T n-Tetratriacontane (C34)	19.451	2173918	22.512 ug/ml
20) T n-Hexatriacontane (C36)	20.191	1877698	22.784 ug/ml
21) T n-Octatriacontane (C38)	20.960	1713731	22.932 ug/ml
22) T n-Tetracontane (C40)	21.926	1609869	22.733 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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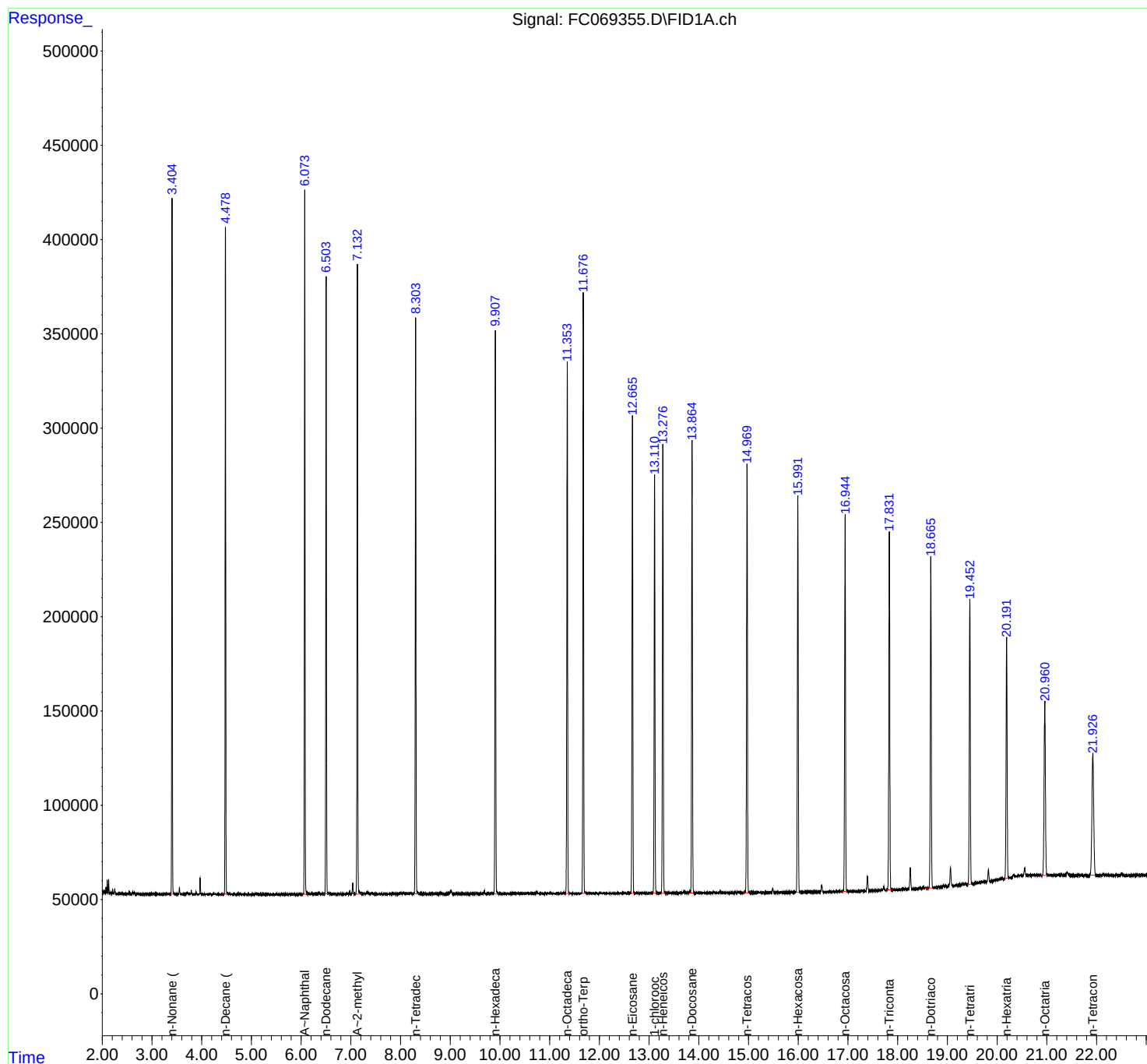
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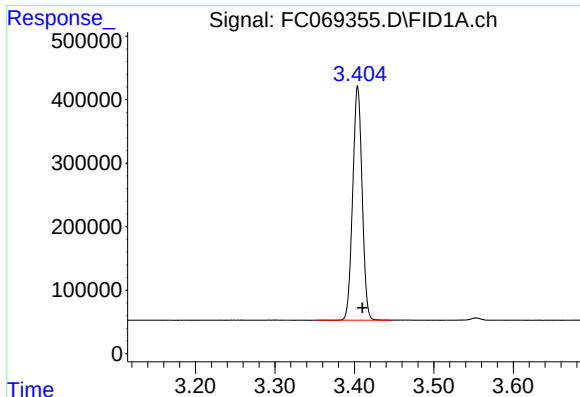
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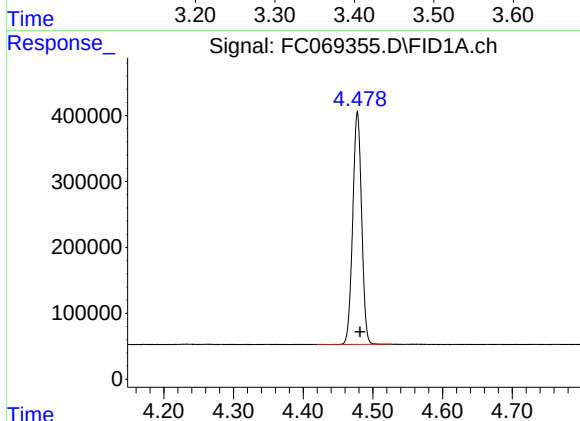
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.006 min
Response: 3034003
Conc: 21.33 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

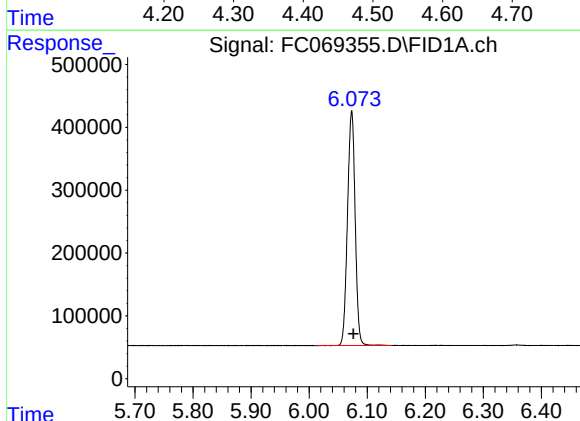
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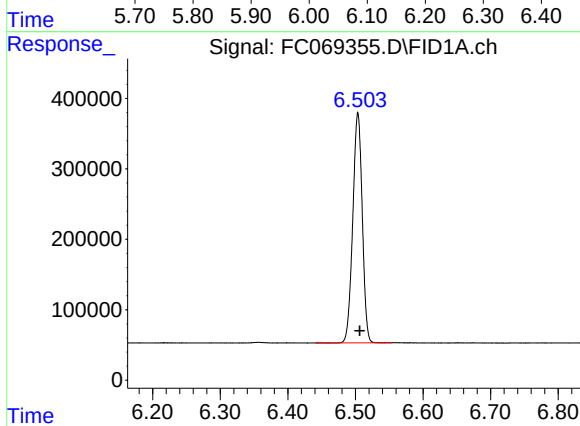
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.004 min
Response: 3129768
Conc: 21.38 ug/ml



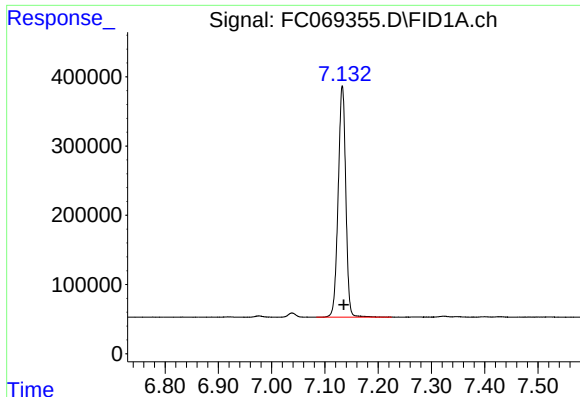
#3 A~Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.003 min
Response: 3432971
Conc: 21.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.504 min
Delta R.T.: -0.003 min
Response: 3175280
Conc: 20.97 ug/ml



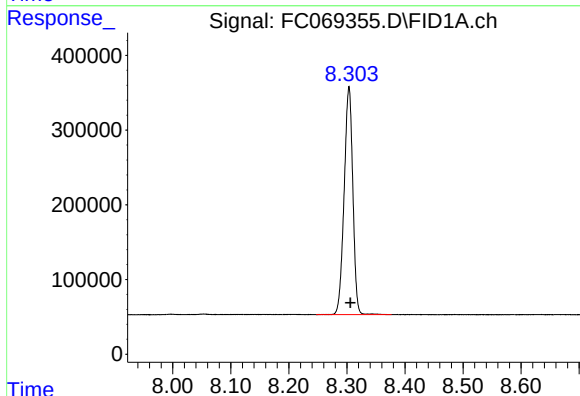
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.003 min
Response: 3325550
Conc: 21.01 ug/ml

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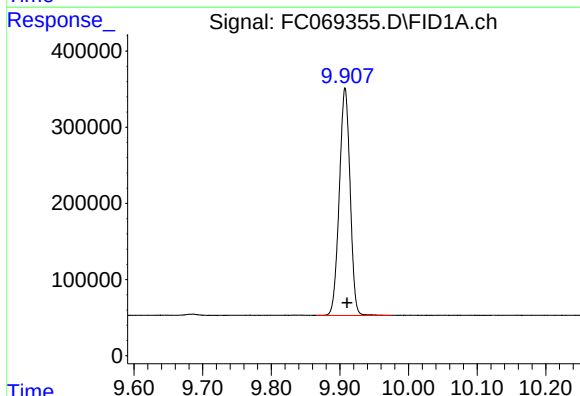
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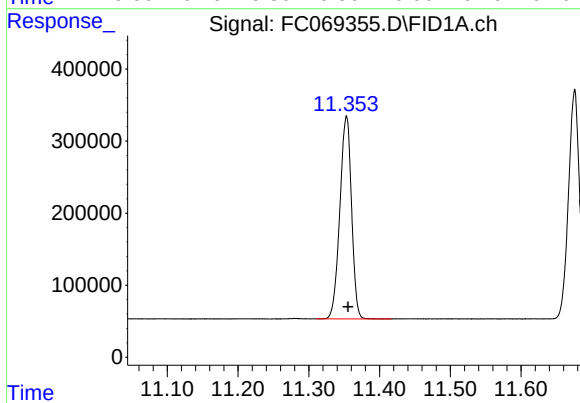
#6 n-Tetradecane (C14)

R.T.: 8.303 min
Delta R.T.: -0.003 min
Response: 3170365
Conc: 20.45 ug/ml



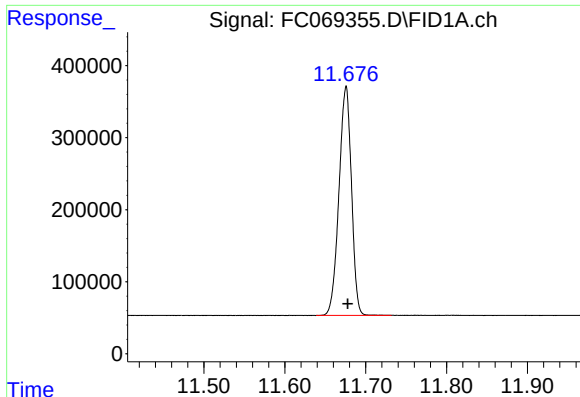
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.003 min
Response: 3254549
Conc: 19.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.003 min
Response: 3226622
Conc: 19.76 ug/ml



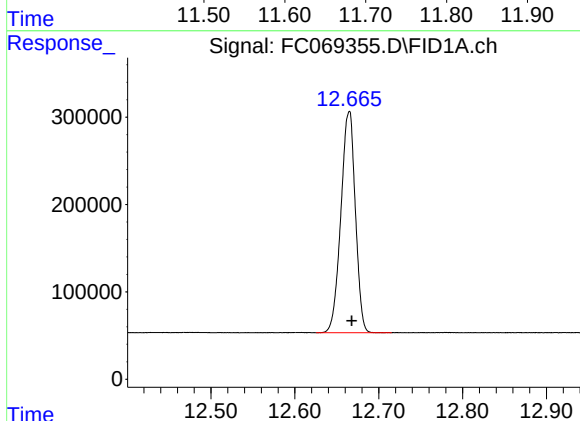
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: -0.002 min
Response: 3412655
Conc: 19.75 ug/ml

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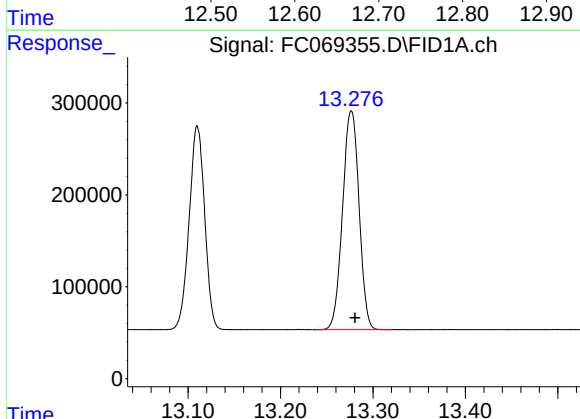
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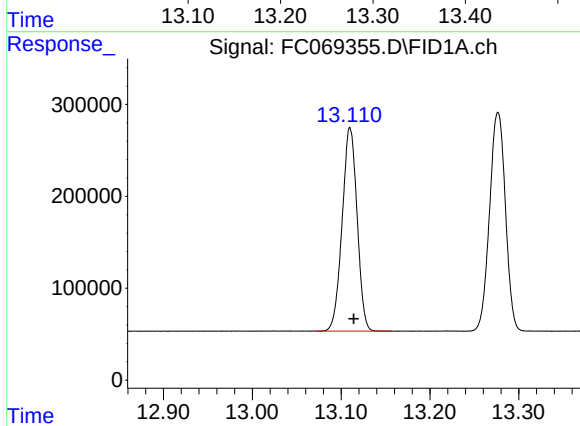
#10 n-Eicosane (C20)

R.T.: 12.664 min
Delta R.T.: -0.003 min
Response: 3037026
Conc: 19.90 ug/ml



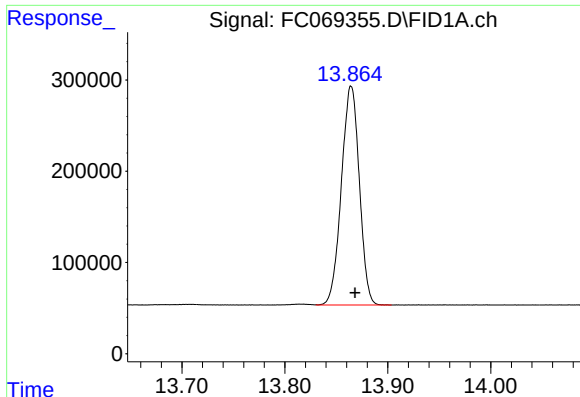
#11 n-Heneicosane (C21)

R.T.: 13.277 min
Delta R.T.: -0.004 min
Response: 2953074
Conc: 20.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.110 min
Delta R.T.: -0.004 min
Response: 2590140
Conc: 19.83 ug/ml



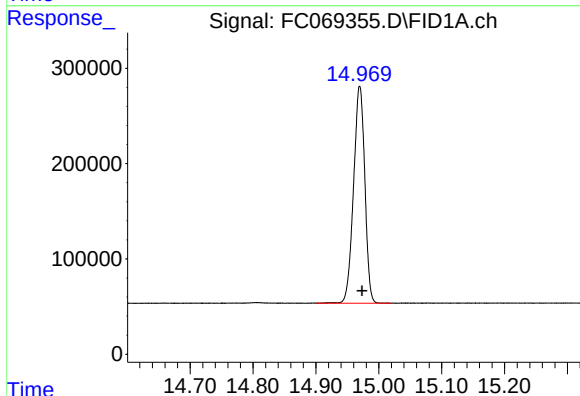
#13 n-Docosane (C22)

R.T.: 13.864 min
Delta R.T.: -0.004 min
Response: 2907426
Conc: 20.21 ug/ml

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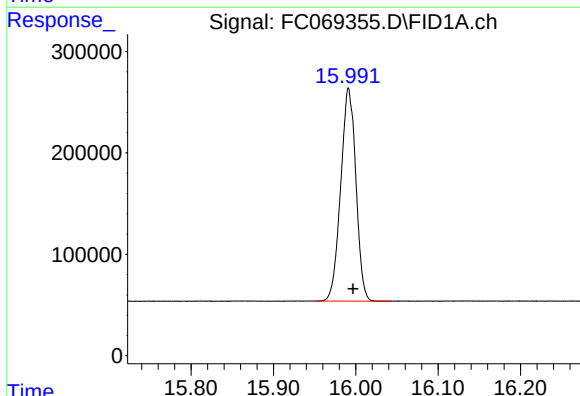
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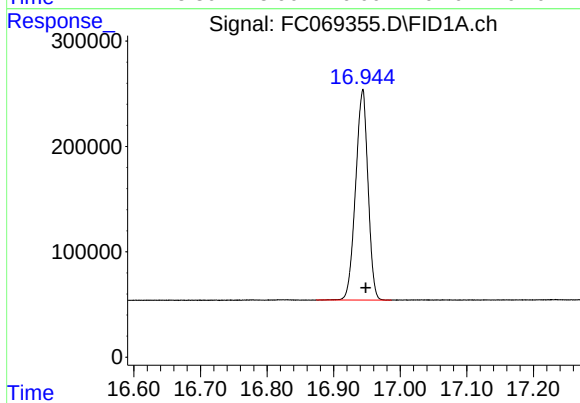
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: -0.004 min
Response: 2833420
Conc: 20.54 ug/ml



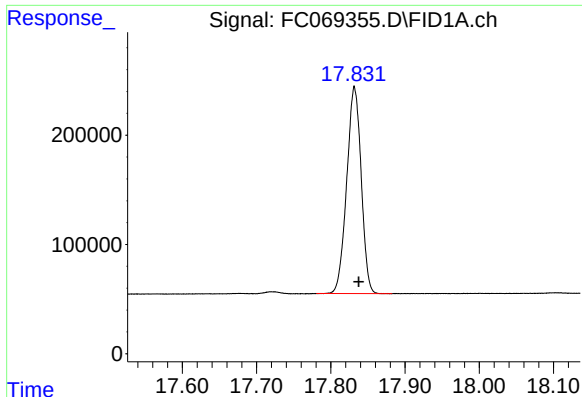
#15 n-Hexacosane (C26)

R.T.: 15.992 min
Delta R.T.: -0.005 min
Response: 2690465
Conc: 20.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.943 min
Delta R.T.: -0.005 min
Response: 2581486
Conc: 20.93 ug/ml



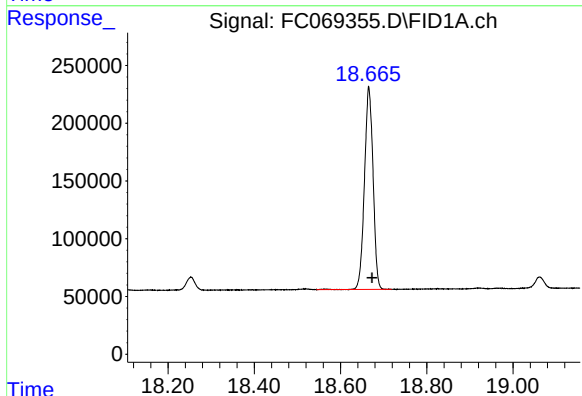
#17 n-Tricontane (C30)

R.T.: 17.832 min
Delta R.T.: -0.006 min
Response: 2566313
Conc: 21.59 ug/ml

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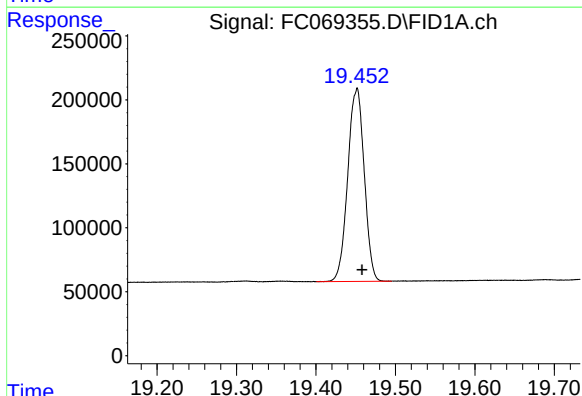
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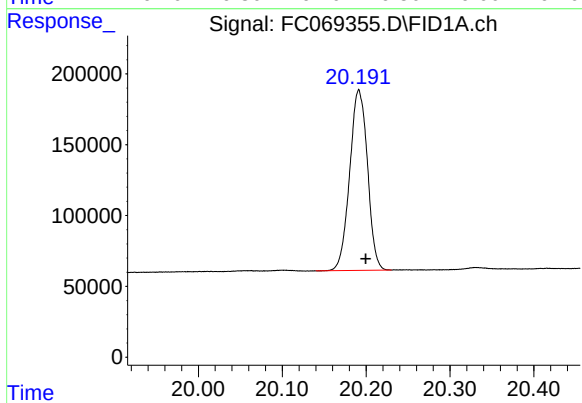
#18 n-Dotriacontane (C32)

R.T.: 18.666 min
Delta R.T.: -0.007 min
Response: 2425775
Conc: 22.19 ug/ml



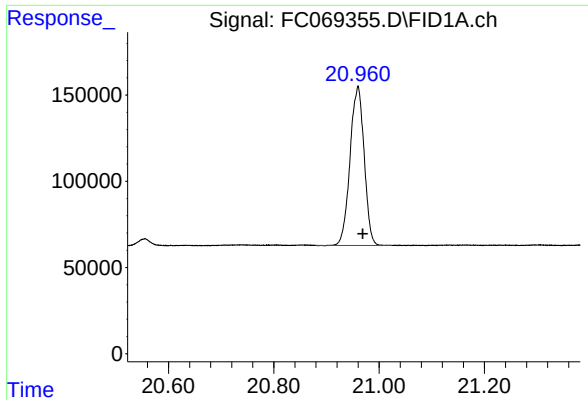
#19 n-Tetratriacontane (C34)

R.T.: 19.451 min
Delta R.T.: -0.007 min
Response: 2173918
Conc: 22.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.191 min
Delta R.T.: -0.008 min
Response: 1877698
Conc: 22.78 ug/ml



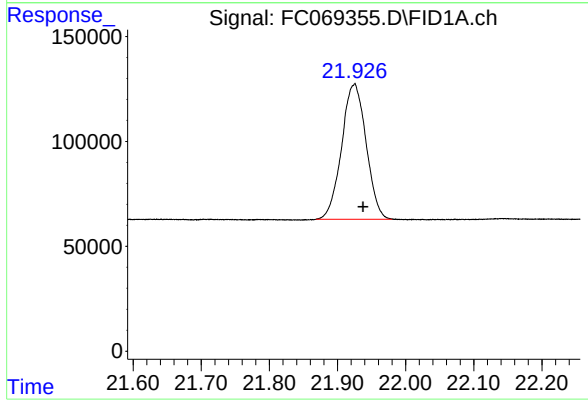
#21 n-Octatriacontane (C38)

R.T.: 20.960 min
Delta R.T.: -0.009 min
Response: 1713731
Conc: 22.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.926 min
Delta R.T.: -0.012 min
Response: 1609869
Conc: 22.73 ug/ml m