

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069326.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 11:14
 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 07/01/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
 Quant Time: Jul 01 05:03:46 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)	11.677	3270852	18.933 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
12) S 1-chlorooctadecane (S...	13.113	2469020	18.899 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
Target Compounds			
1) T n-Nonane (C9)	3.408	2987555	21.007 ug/ml
2) T n-Decane (C10)	4.480	3065782	20.942 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3334281	20.723 ug/ml
4) T n-Dodecane (C12)	6.505	3109058	20.532 ug/ml
5) T A~2-methylnaphthalene...	7.135	3214777	20.315 ug/ml
6) T n-Tetradecane (C14)	8.305	3078321	19.859 ug/ml
7) T n-Hexadecane (C16)	9.909	3148007	19.264 ug/ml
8) T n-Octadecane (C18)	11.354	3099967	18.987 ug/ml
10) T n-Eicosane (C20)	12.666	2901489	19.009 ug/ml
11) T n-Heneicosane (C21)	13.279	2815876	19.105 ug/ml
13) T n-Docosane (C22)	13.866	2773720	19.278 ug/ml
14) T n-Tetracosane (C24)	14.971	2679118	19.424 ug/ml
15) T n-Hexacosane (C26)	15.993	2550057	19.507 ug/ml
16) T n-Octacosane (C28)	16.946	2428789	19.694 ug/ml
17) T n-Tricontane (C30)	17.834	2396106	20.155 ug/ml
18) T n-Dotriacontane (C32)	18.667	2248967	20.569 ug/ml
19) T n-Tetratriacontane (C34)	19.454	2021512	20.934 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1753400	21.276 ug/ml
21) T n-Octatriacontane (C38)	20.963	1604779	21.474 ug/ml
22) T n-Tetracontane (C40)	21.925	1537440	21.710 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

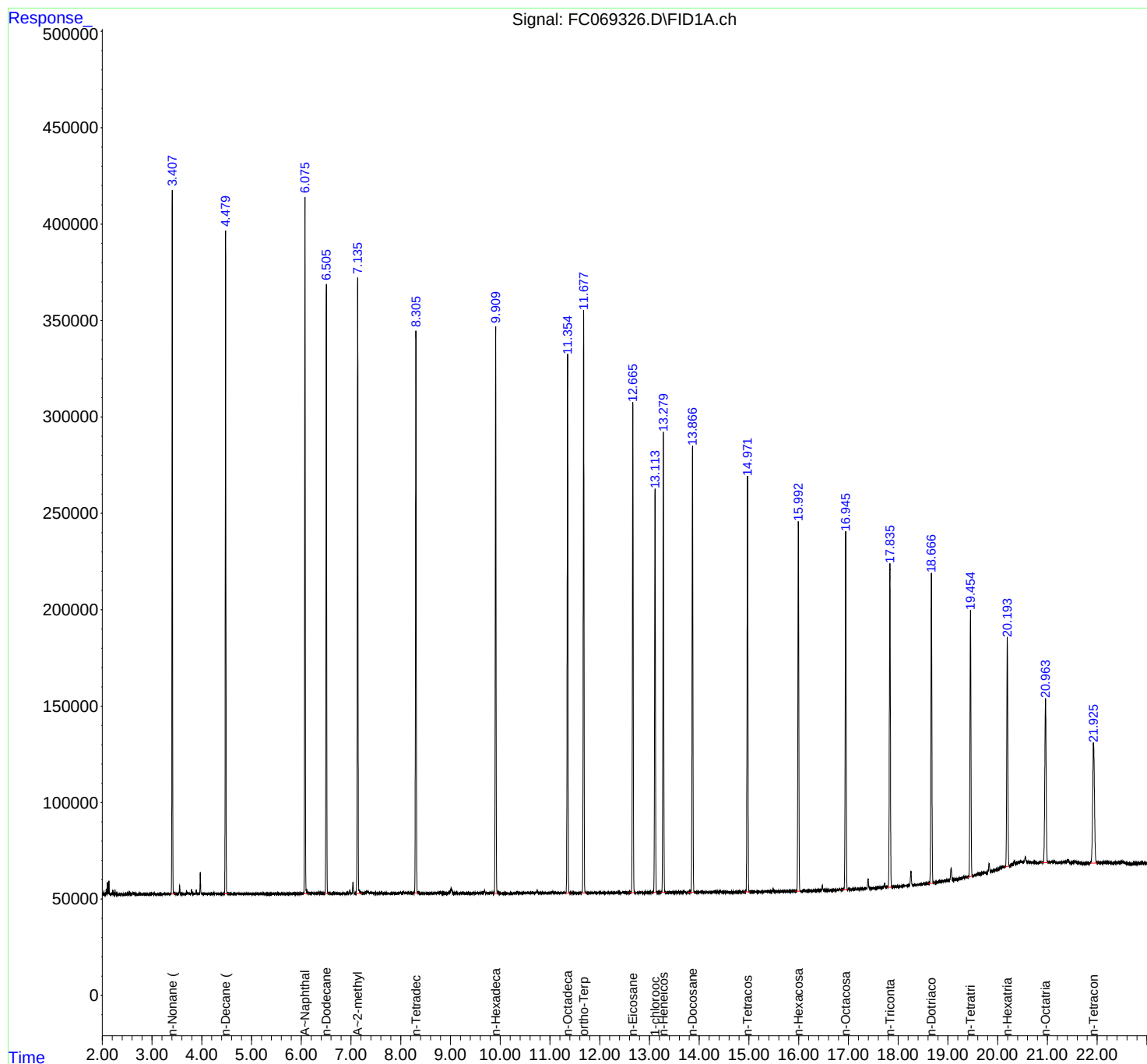
Instrument :
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20 PPM ALIPHATIC HC STD

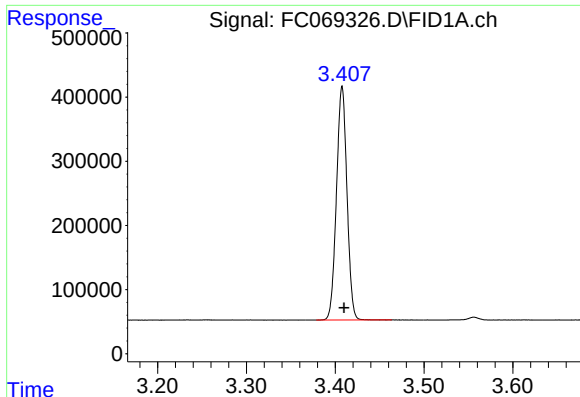
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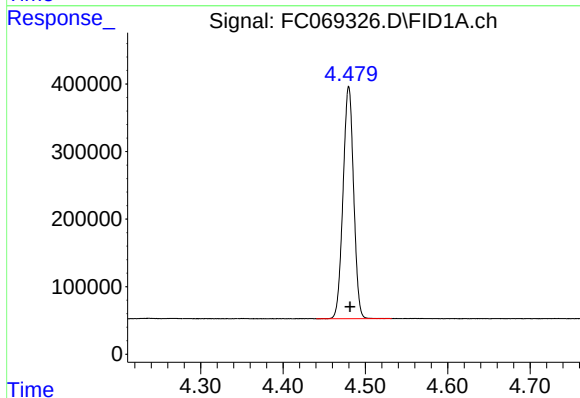
#1 n-Nonane (C9)

R.T.: 3.408 min
Delta R.T.: -0.002 min
Response: 2987555
Conc: 21.01 ug/ml

Instrument :
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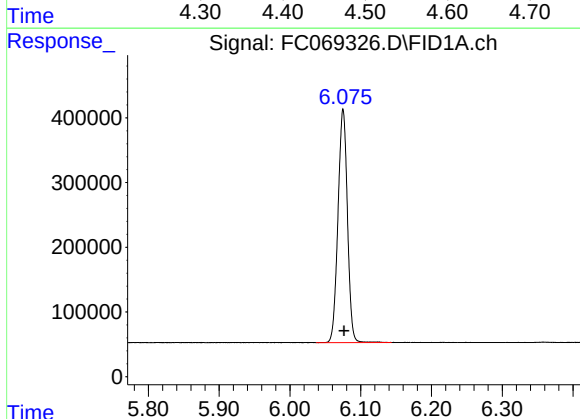
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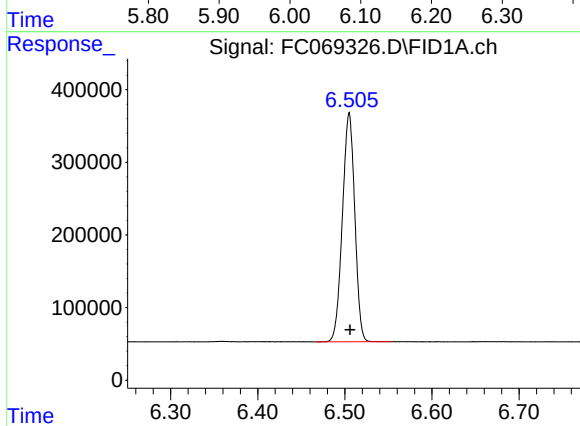
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.002 min
Response: 3065782
Conc: 20.94 ug/ml



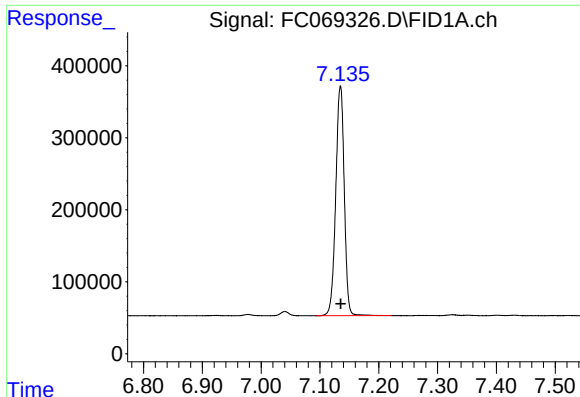
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 3334281
Conc: 20.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.001 min
Response: 3109058
Conc: 20.53 ug/ml



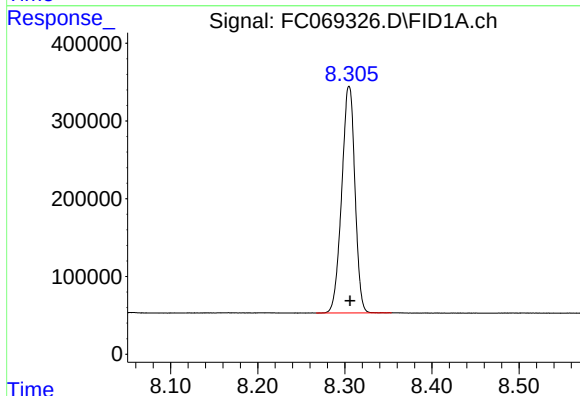
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 3214777
Conc: 20.31 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

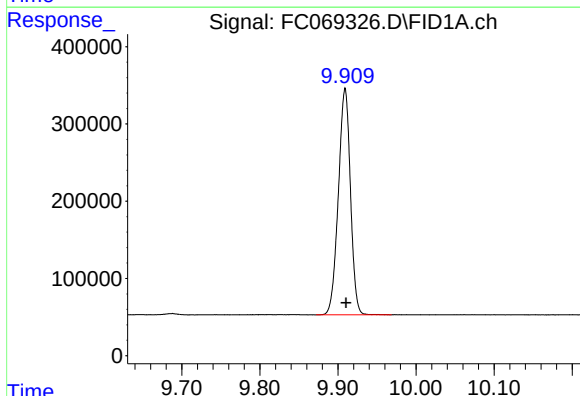
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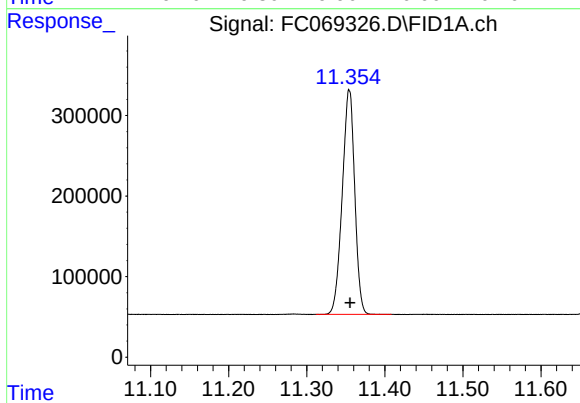
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.001 min
Response: 3078321
Conc: 19.86 ug/ml



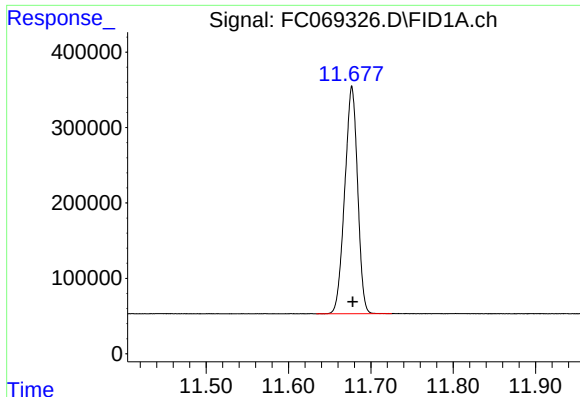
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.002 min
Response: 3148007
Conc: 19.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.001 min
Response: 3099967
Conc: 18.99 ug/ml



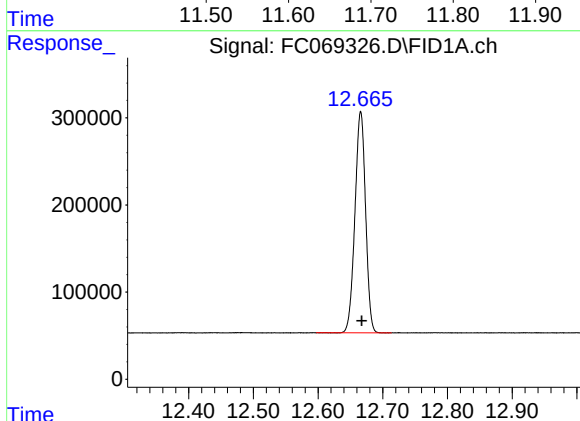
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: 0.000 min
Response: 3270852
Conc: 18.93 ug/ml

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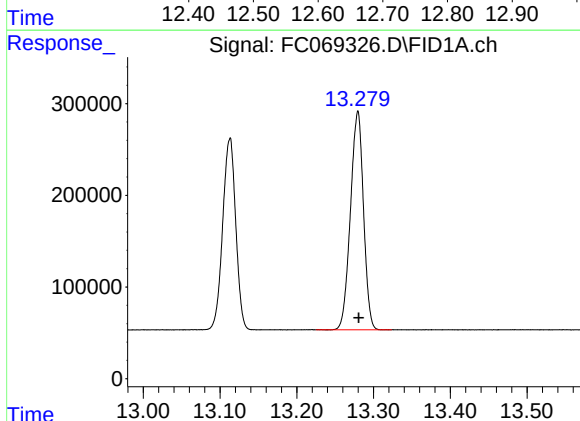
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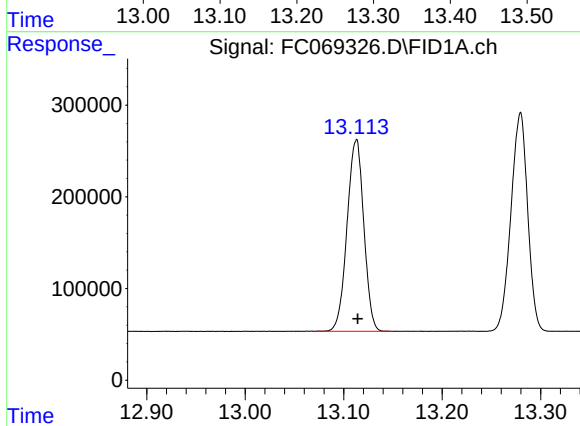
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: -0.002 min
Response: 2901489
Conc: 19.01 ug/ml



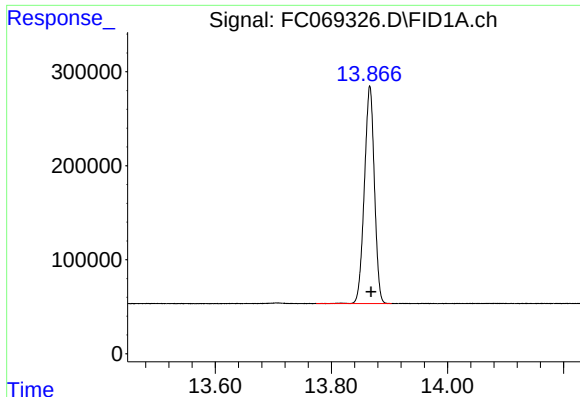
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.001 min
Response: 2815876
Conc: 19.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.002 min
Response: 2469020
Conc: 18.90 ug/ml



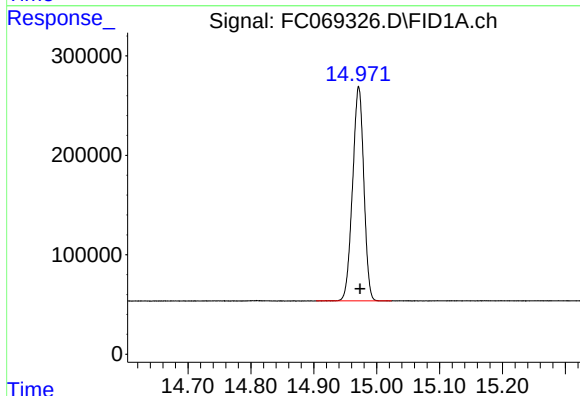
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.002 min
Response: 2773720
Conc: 19.28 ug/ml

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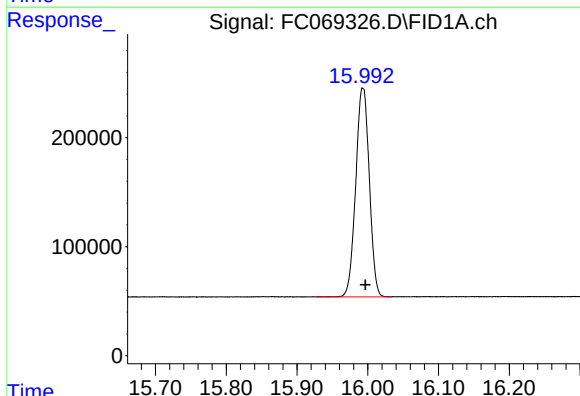
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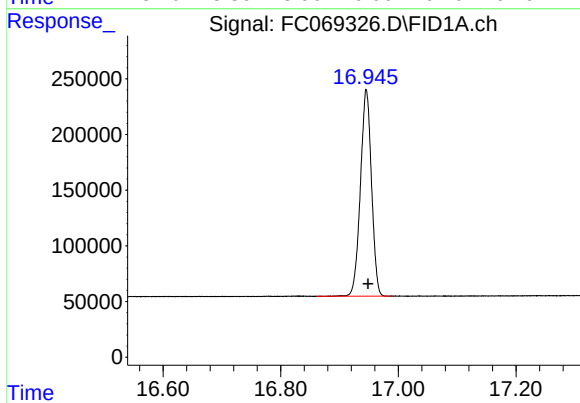
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.002 min
Response: 2679118
Conc: 19.42 ug/ml



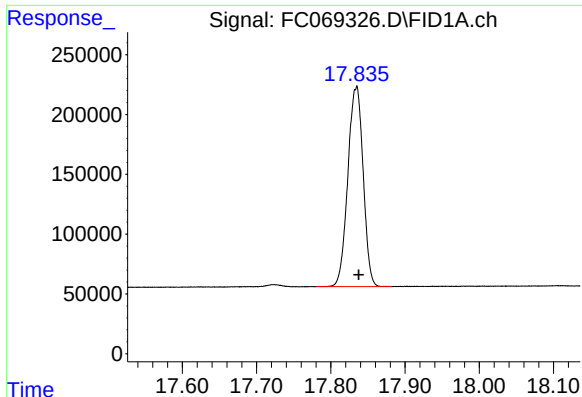
#15 n-Hexacosane (C26)

R.T.: 15.993 min
Delta R.T.: -0.003 min
Response: 2550057
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.946 min
Delta R.T.: -0.003 min
Response: 2428789
Conc: 19.69 ug/ml



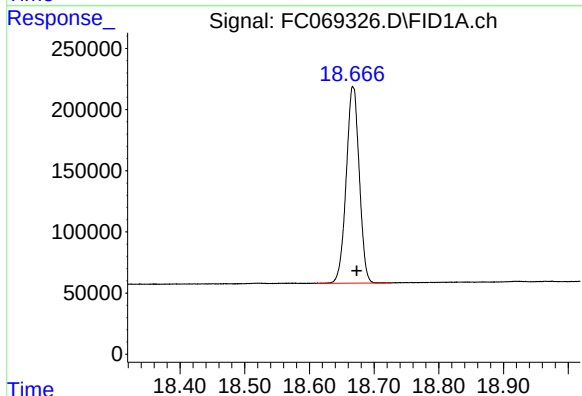
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.004 min
Response: 2396106
Conc: 20.16 ug/ml

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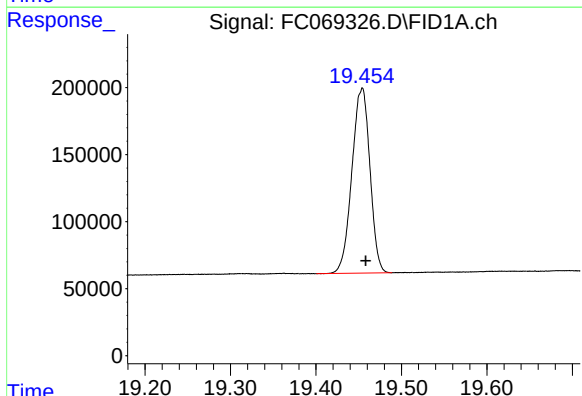
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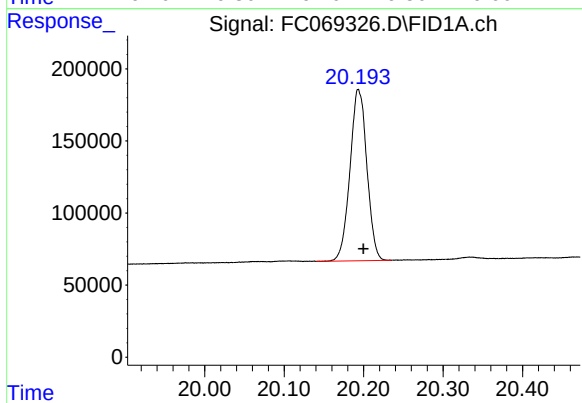
#18 n-Dotriacontane (C32)

R.T.: 18.667 min
Delta R.T.: -0.006 min
Response: 2248967
Conc: 20.57 ug/ml



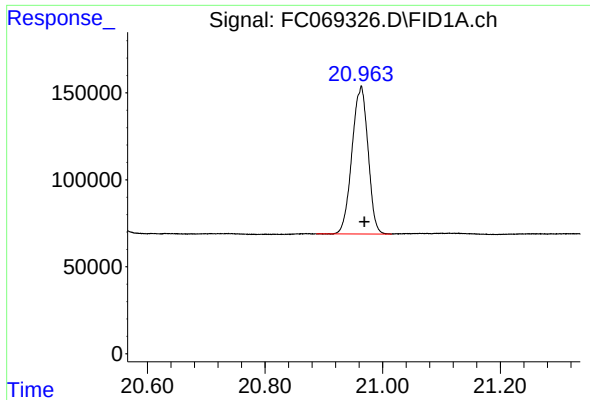
#19 n-Tetratriacontane (C34)

R.T.: 19.454 min
Delta R.T.: -0.005 min
Response: 2021512
Conc: 20.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.194 min
Delta R.T.: -0.006 min
Response: 1753400
Conc: 21.28 ug/ml



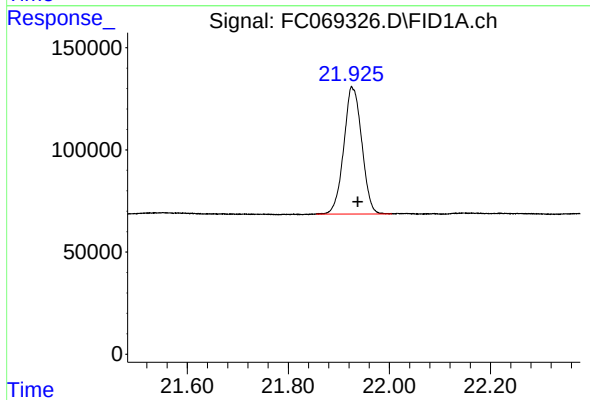
#21 n-Octatriacontane (C38)

R.T.: 20.963 min
Delta R.T.: -0.006 min
Response: 1604779
Conc: 21.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.925 min
Delta R.T.: -0.013 min
Response: 1537440
Conc: 21.71 ug/ml m