

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021224AL\
 Data File : FC065727.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 23:55
 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 02/13/2024
 Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e
 Quant Time: Feb 13 00:41:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:26:08 2024
 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)	11.492	3751463	21.870 ug/ml
Spiked Amount 50.000		Recovery =	43.74%
12) S 1-chlorooctadecane (S...	12.924	2803820	22.279 ug/ml
Spiked Amount 50.000		Recovery =	44.56%
Target Compounds			
1) T n-Nonane (C9)	3.281	3305467	22.002 ug/ml
2) T n-Decane (C10)	4.344	3384456	22.260 ug/ml
3) T A~Naphthalene (C11.7)	5.928	3438539	22.298 ug/ml
4) T n-Dodecane (C12)	6.358	3377006	22.065 ug/ml
5) T A~2-methylnaphthalene...	6.984	3287451	23.086 ug/ml
6) T n-Tetradecane (C14)	8.148	3300766	22.233 ug/ml
7) T n-Hexadecane (C16)	9.742	3369369	22.468 ug/ml
8) T n-Octadecane (C18)	11.178	3431989	22.249 ug/ml
10) T n-Eicosane (C20)	12.482	3326450	22.120 ug/ml
11) T n-Heneicosane (C21)	13.090	3285190	21.966 ug/ml
13) T n-Docosane (C22)	13.674	3281143	22.121 ug/ml
14) T n-Tetracosane (C24)	14.772	3301285	22.203 ug/ml
15) T n-Hexacosane (C26)	15.788	3290145	22.202 ug/ml
16) T n-Octacosane (C28)	16.733	3285921	22.394 ug/ml
17) T n-Tricontane (C30)	17.617	3406984	22.696 ug/ml
18) T n-Dotriacontane (C32)	18.446	3383244	22.877 ug/ml
19) T n-Tetratriacontane (C34)	19.227	3325704	22.945 ug/mlm
20) T n-Hexatriacontane (C36)	19.960	3207060	22.594 ug/mlm
21) T n-Octatriacontane (C38)	20.682	3202741	22.626 ug/mlm
22) T n-Tetracontane (C40)	21.552	3022612	21.669 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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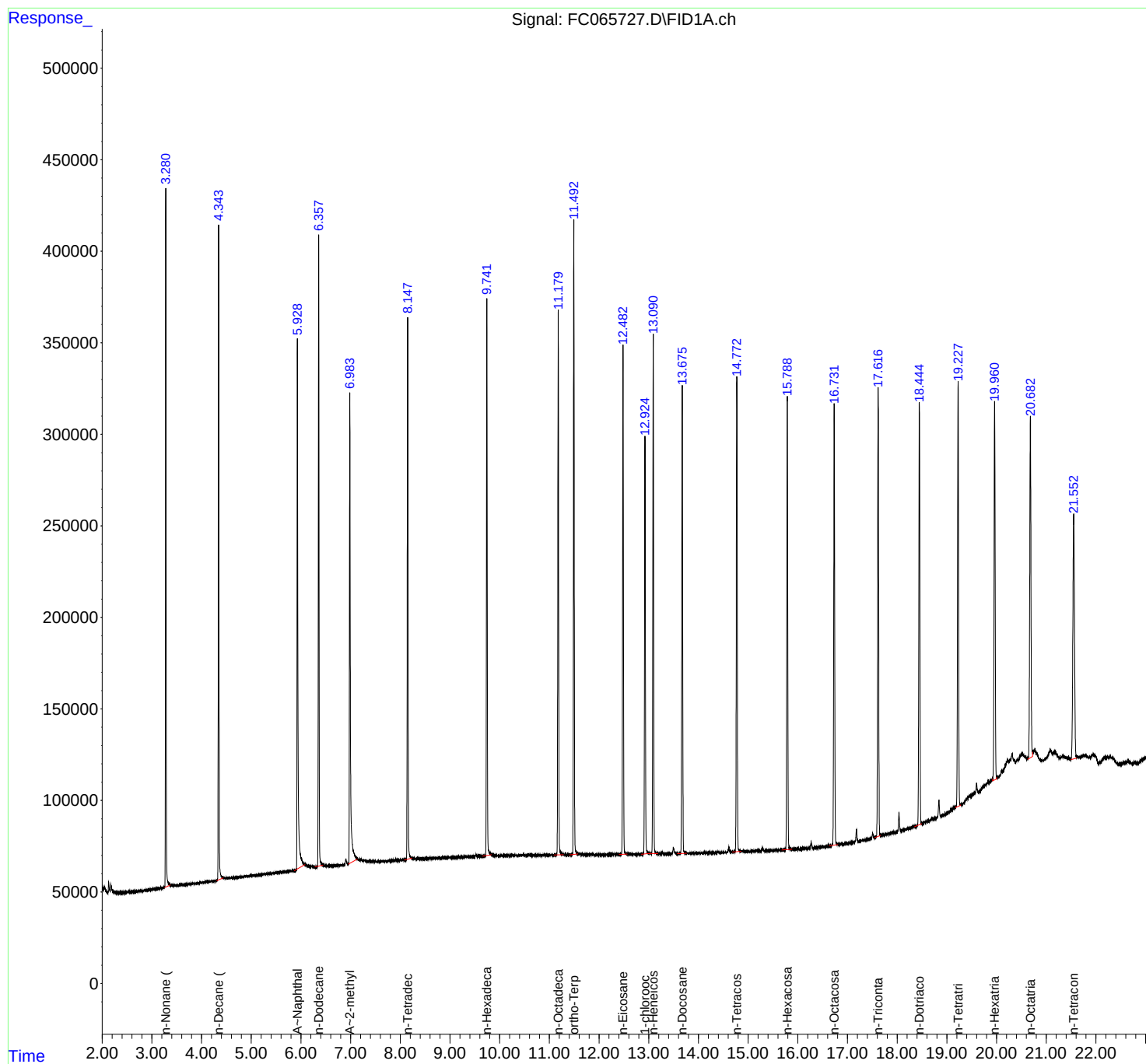
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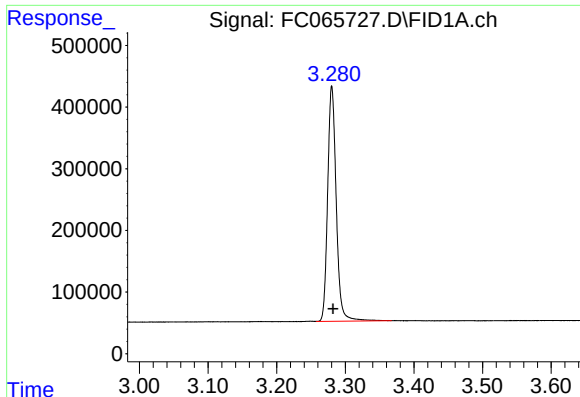
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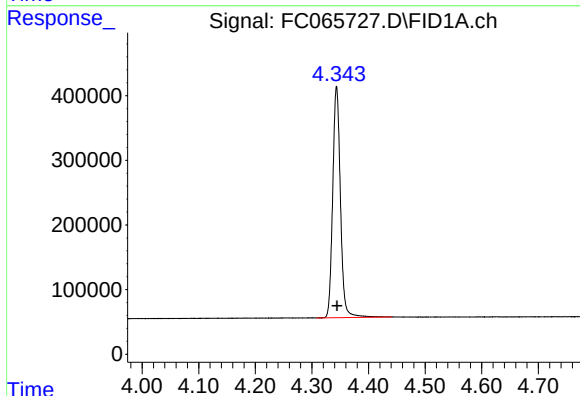
#1 n-Nonane (C9)

R.T.: 3.281 min
Delta R.T.: -0.001 min
Response: 3305467
Conc: 22.00 ug/ml

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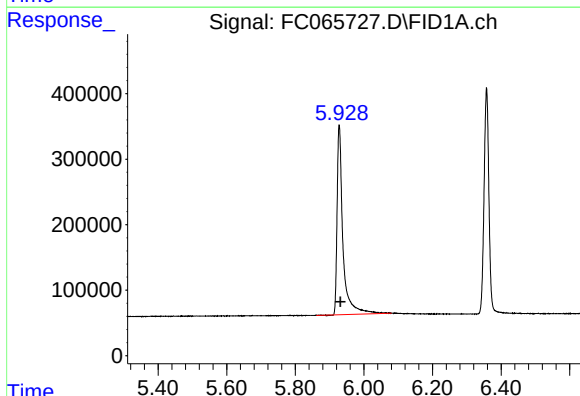
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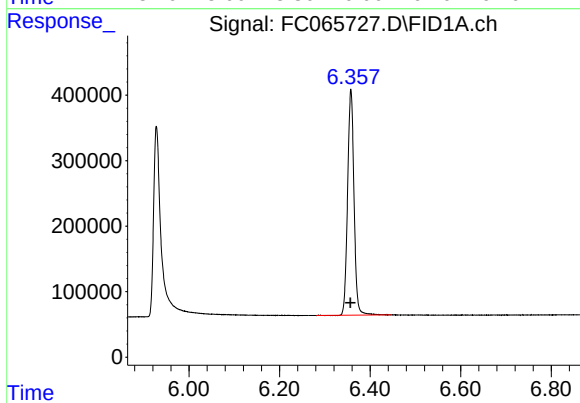
#2 n-Decane (C10)

R.T.: 4.344 min
Delta R.T.: 0.000 min
Response: 3384456
Conc: 22.26 ug/ml



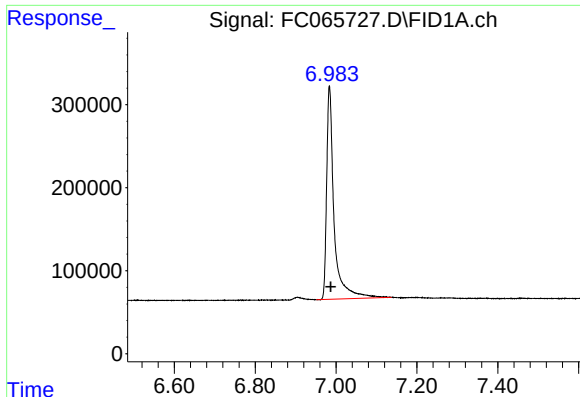
#3 A~Naphthalene (C11.7)

R.T.: 5.928 min
Delta R.T.: -0.003 min
Response: 3438539
Conc: 22.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 3377006
Conc: 22.06 ug/ml



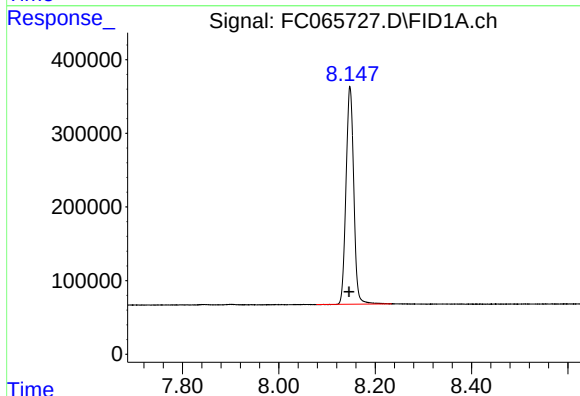
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.984 min
Delta R.T.: -0.003 min
Response: 3287451
Conc: 23.09 ug/ml

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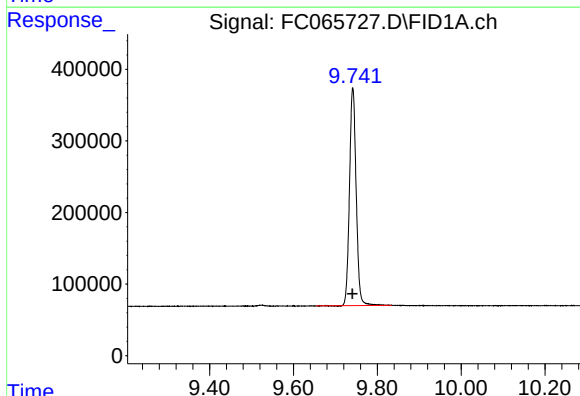
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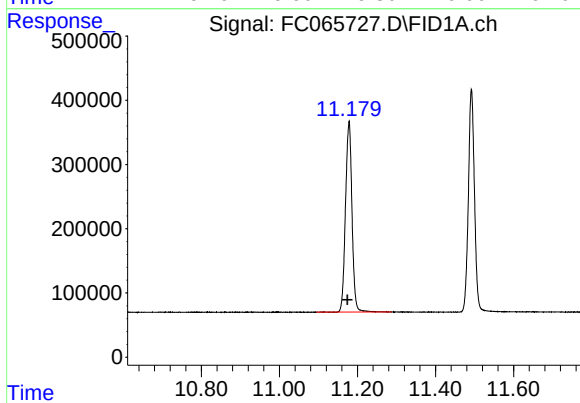
#6 n-Tetradecane (C14)

R.T.: 8.148 min
Delta R.T.: 0.002 min
Response: 3300766
Conc: 22.23 ug/ml



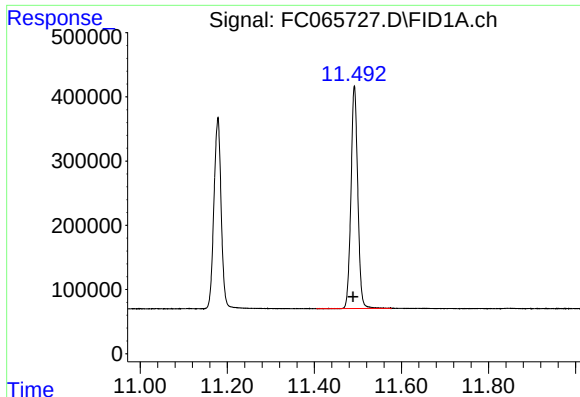
#7 n-Hexadecane (C16)

R.T.: 9.742 min
Delta R.T.: 0.001 min
Response: 3369369
Conc: 22.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.178 min
Delta R.T.: 0.003 min
Response: 3431989
Conc: 22.25 ug/ml



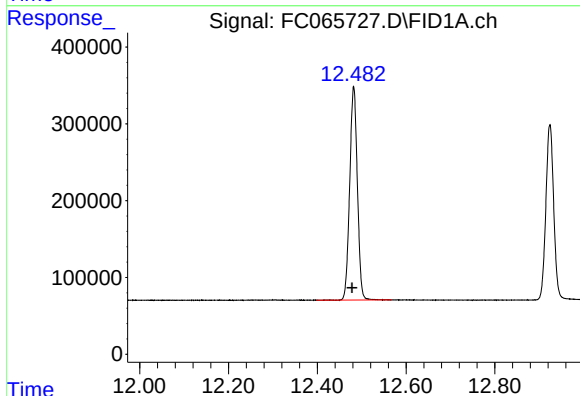
#9 ortho-Terphenyl (SURR)

R.T.: 11.492 min
Delta R.T.: 0.003 min
Response: 3751463
Conc: 21.87 ug/ml

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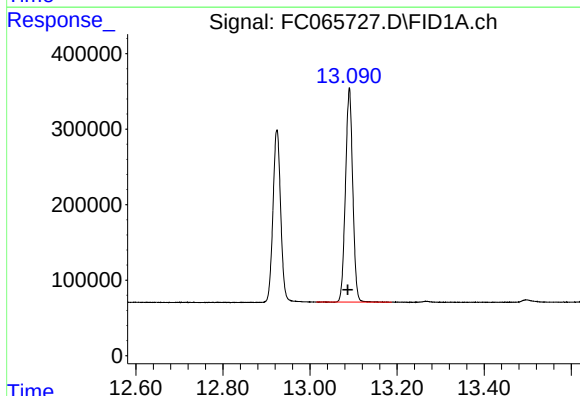
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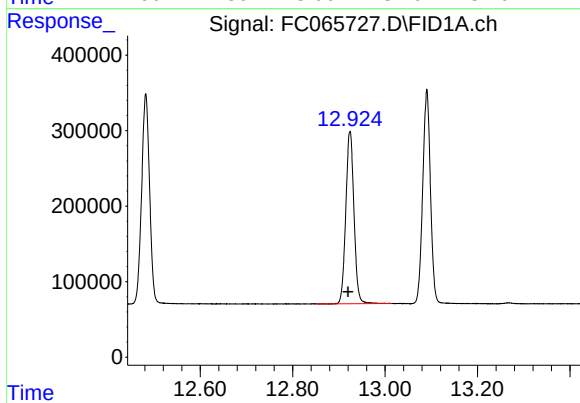
#10 n-Eicosane (C20)

R.T.: 12.482 min
Delta R.T.: 0.004 min
Response: 3326450
Conc: 22.12 ug/ml



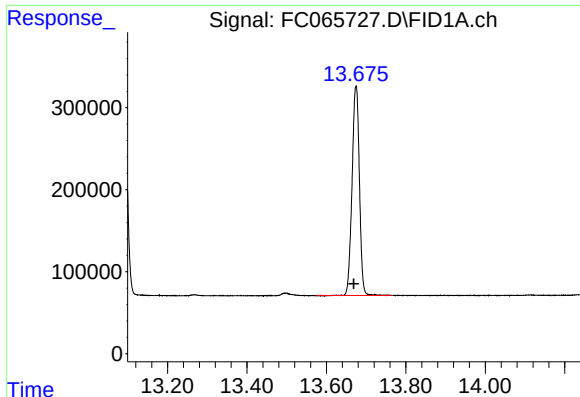
#11 n-Heneicosane (C21)

R.T.: 13.090 min
Delta R.T.: 0.004 min
Response: 3285190
Conc: 21.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.924 min
Delta R.T.: 0.004 min
Response: 2803820
Conc: 22.28 ug/ml



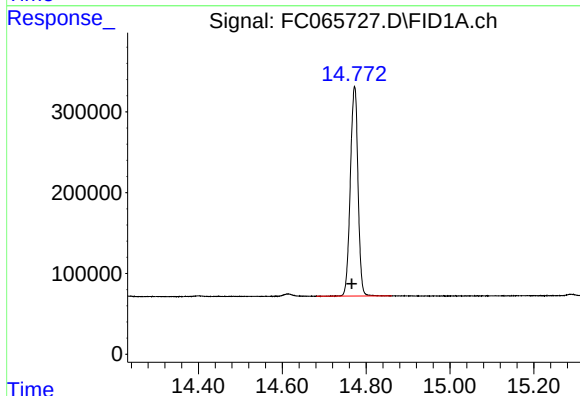
#13 n-Docosane (C22)

R.T.: 13.674 min
Delta R.T.: 0.005 min
Response: 3281143
Conc: 22.12 ug/ml

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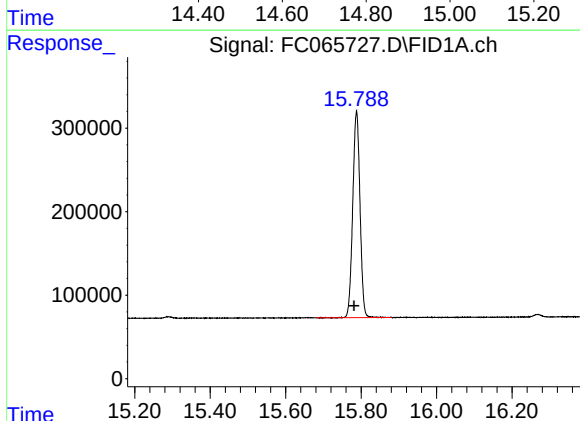
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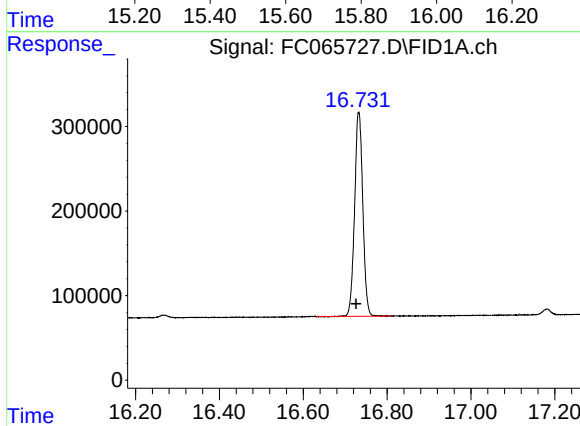
#14 n-Tetracosane (C24)

R.T.: 14.772 min
Delta R.T.: 0.006 min
Response: 3301285
Conc: 22.20 ug/ml



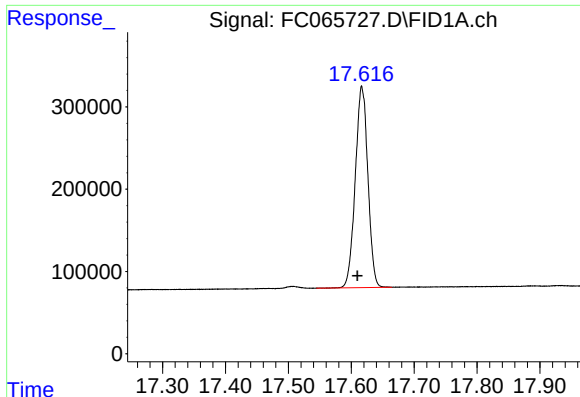
#15 n-Hexacosane (C26)

R.T.: 15.788 min
Delta R.T.: 0.006 min
Response: 3290145
Conc: 22.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.733 min
Delta R.T.: 0.007 min
Response: 3285921
Conc: 22.39 ug/ml



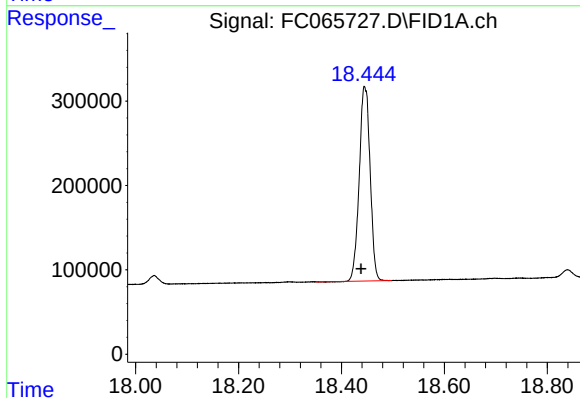
#17 n-Tricontane (C30)

R.T.: 17.617 min
Delta R.T.: 0.007 min
Response: 3406984
Conc: 22.70 ug/ml

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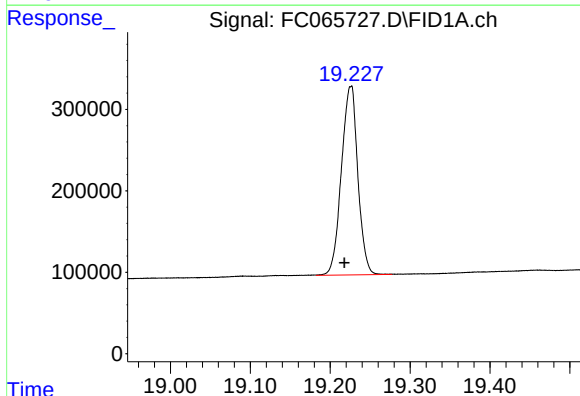
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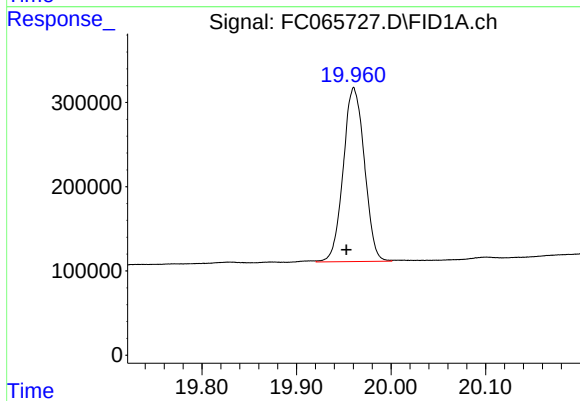
#18 n-Dotriacontane (C32)

R.T.: 18.446 min
Delta R.T.: 0.008 min
Response: 3383244
Conc: 22.88 ug/ml



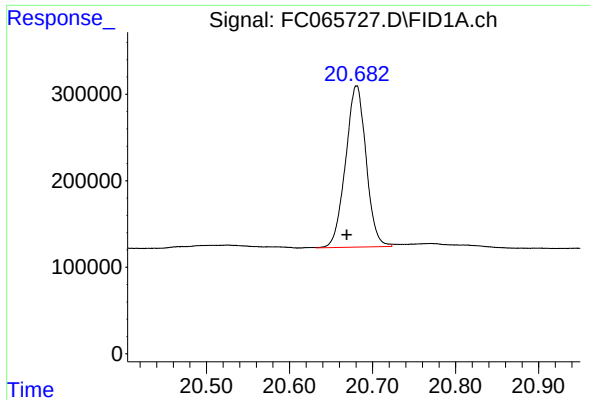
#19 n-Tetratriacontane (C34)

R.T.: 19.227 min
Delta R.T.: 0.009 min
Response: 3325704
Conc: 22.95 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.960 min
Delta R.T.: 0.007 min
Response: 3207060
Conc: 22.59 ug/ml m



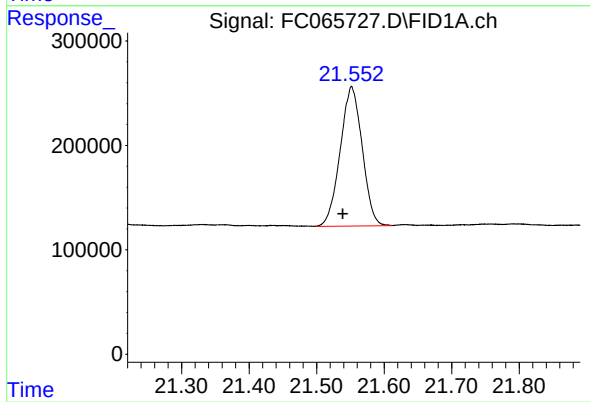
#21 n-Octatriacontane (C38)

R.T.: 20.682 min
Delta R.T.: 0.012 min
Response: 3202741
Conc: 22.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.552 min
Delta R.T.: 0.013 min
Response: 3022612
Conc: 21.67 ug/ml m