

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111023AL\
 Data File : FC065114.D
 Signal(s) : FID1A.ch
 Acq On : 10 Nov 2023 21:29
 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 11/13/2023
 Supervised By :Ankita Jodhani 11/13/2023

Integration File: autoint1.e
 Quant Time: Nov 11 01:57:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102823.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:12:00 2023
 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)	11.506	4566102	20.747 ug/ml
Spiked Amount 50.000		Recovery =	41.49%
12) S 1-chlorooctadecane (S...	12.938	3306925	20.919 ug/ml
Spiked Amount 50.000		Recovery =	41.84%
Target Compounds			
1) T n-Nonane (C9)	3.307	3878855	20.516 ug/ml
2) T n-Decane (C10)	4.367	3927889	20.657 ug/ml
3) T A~Naphthalene (C11.7)	5.948	4002813	20.732 ug/ml
4) T n-Dodecane (C12)	6.377	3978322	20.594 ug/ml
5) T A~2-methylnaphthalene...	7.001	3873370	21.078 ug/ml
6) T n-Tetradecane (C14)	8.164	3913082	20.738 ug/ml
7) T n-Hexadecane (C16)	9.759	3957825	20.938 ug/ml
8) T n-Octadecane (C18)	11.193	3962174	20.994 ug/ml
10) T n-Eicosane (C20)	12.496	3760066	20.915 ug/ml
11) T n-Heneicosane (C21)	13.105	3656551	20.827 ug/ml
13) T n-Docosane (C22)	13.688	3586918	20.882 ug/ml
14) T n-Tetracosane (C24)	14.786	3466249	20.811 ug/ml
15) T n-Hexacosane (C26)	15.802	3345451	20.843 ug/ml
16) T n-Octacosane (C28)	16.749	3298421	21.076 ug/ml
17) T n-Tricontane (C30)	17.633	3424157	21.618 ug/ml
18) T n-Dotriacontane (C32)	18.460	3447898	21.837 ug/ml
19) T n-Tetratriacontane (C34)	19.239	3297360	21.602 ug/ml
20) T n-Hexatriacontane (C36)	19.976	3200916	21.215 ug/mlm
21) T n-Octatriacontane (C38)	20.696	3104747	20.863 ug/ml
22) T n-Tetracontane (C40)	21.571	3030828	20.607 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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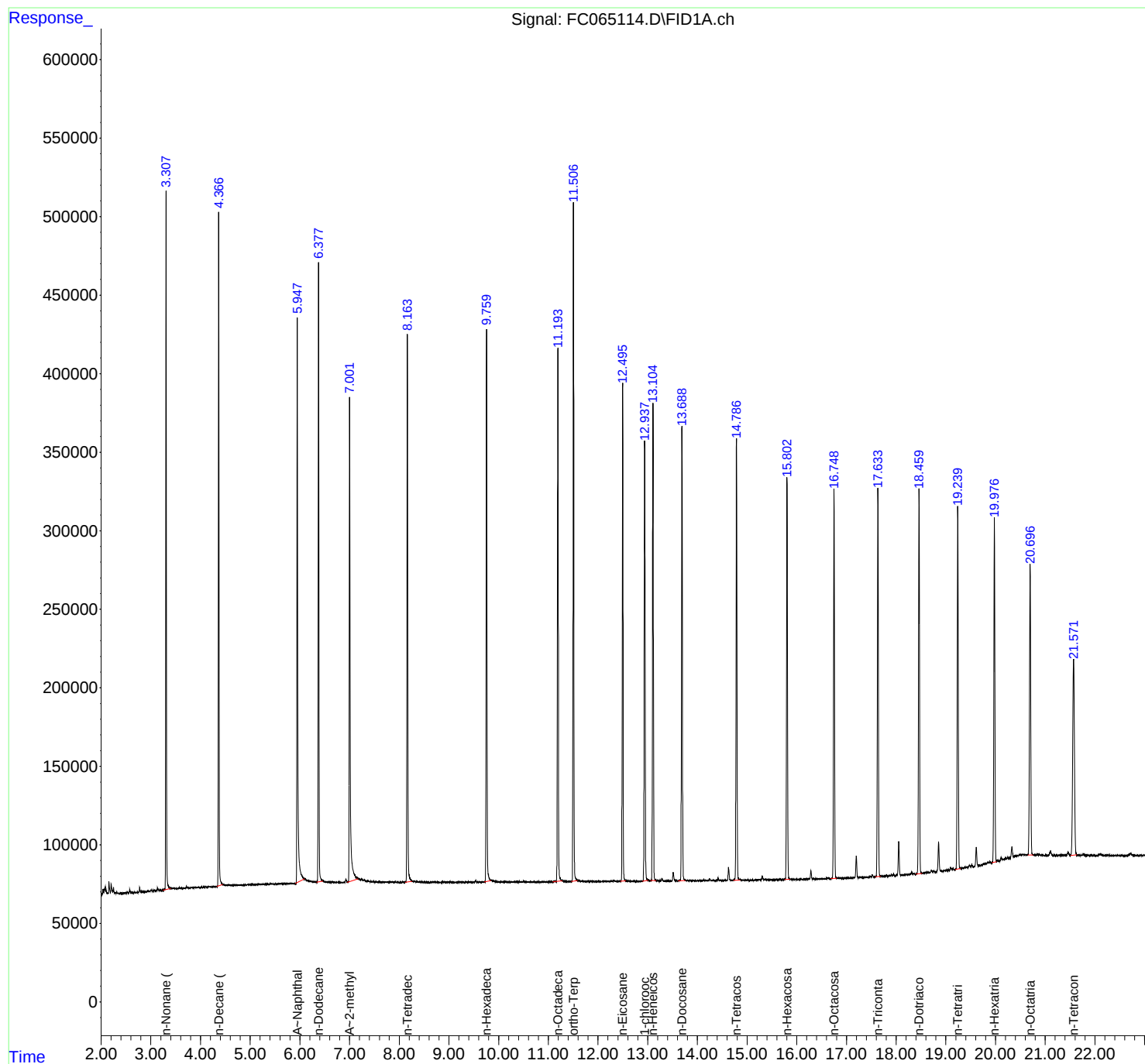
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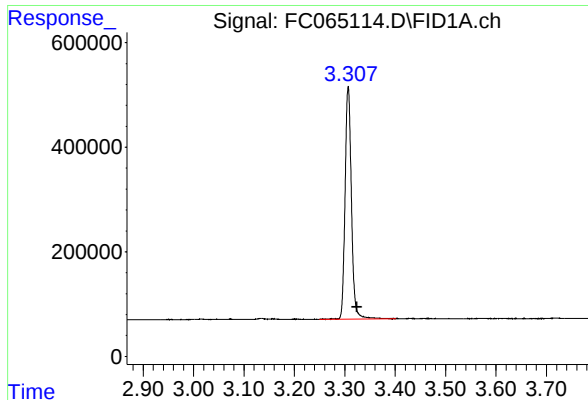
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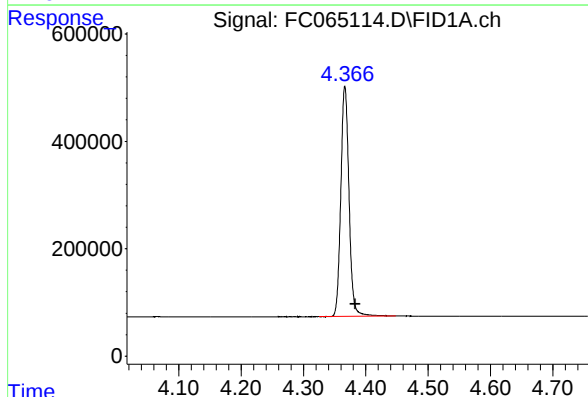
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.017 min
Response: 3878855
Conc: 20.52 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

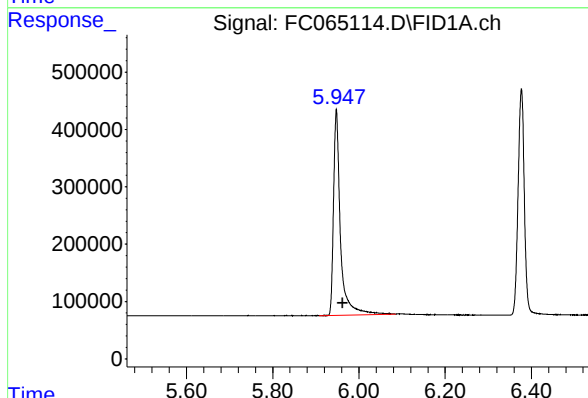
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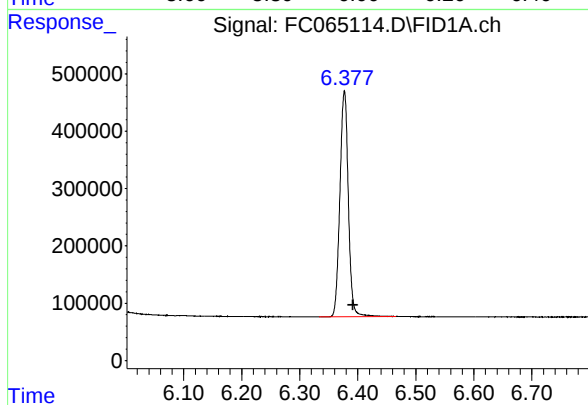
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: -0.017 min
Response: 3927889
Conc: 20.66 ug/ml



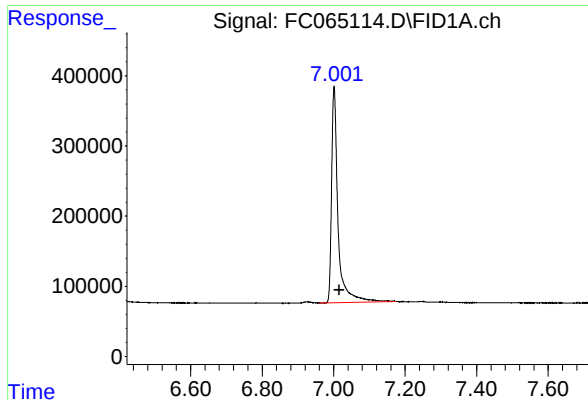
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: -0.015 min
Response: 4002813
Conc: 20.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.377 min
Delta R.T.: -0.015 min
Response: 3978322
Conc: 20.59 ug/ml



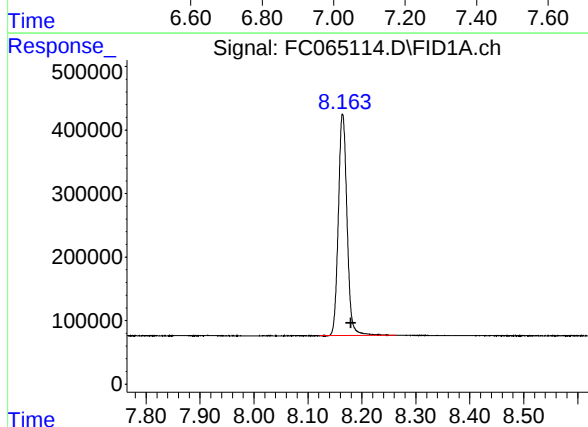
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.001 min
Delta R.T.: -0.014 min
Response: 3873370
Conc: 21.08 ug/ml

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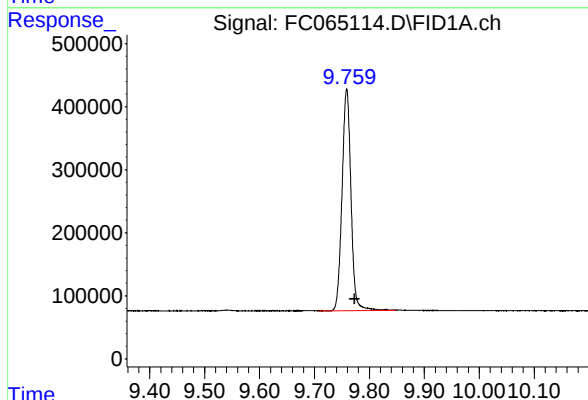
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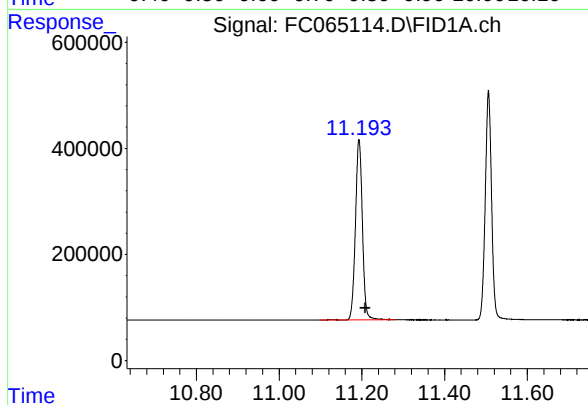
#6 n-Tetradecane (C14)

R.T.: 8.164 min
Delta R.T.: -0.015 min
Response: 3913082
Conc: 20.74 ug/ml



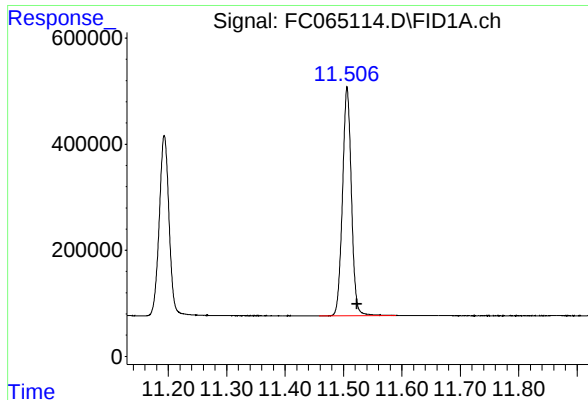
#7 n-Hexadecane (C16)

R.T.: 9.759 min
Delta R.T.: -0.014 min
Response: 3957825
Conc: 20.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.193 min
Delta R.T.: -0.015 min
Response: 3962174
Conc: 20.99 ug/ml



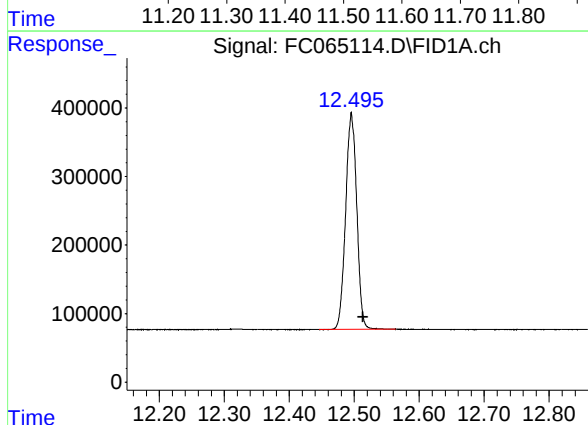
#9 ortho-Terphenyl (SURR)

R.T.: 11.506 min
Delta R.T.: -0.017 min
Response: 4566102
Conc: 20.75 ug/ml

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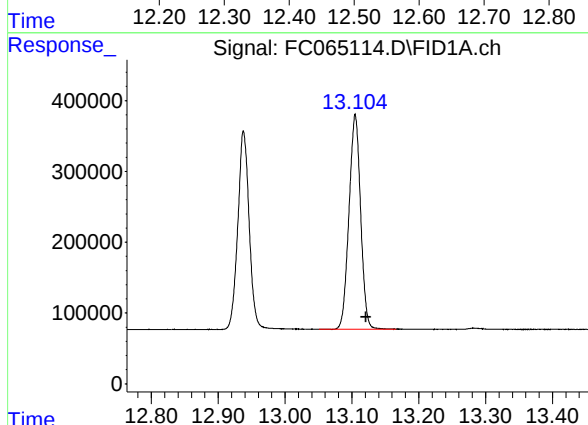
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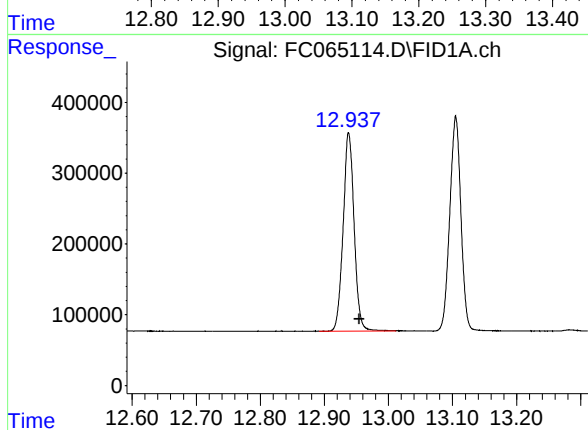
#10 n-Eicosane (C20)

R.T.: 12.496 min
Delta R.T.: -0.018 min
Response: 3760066
Conc: 20.91 ug/ml



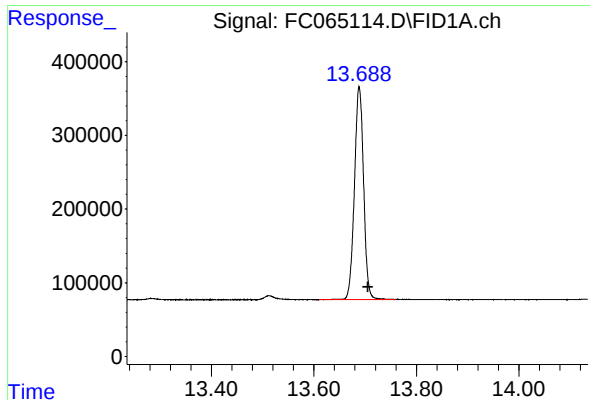
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: -0.016 min
Response: 3656551
Conc: 20.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.938 min
Delta R.T.: -0.017 min
Response: 3306925
Conc: 20.92 ug/ml



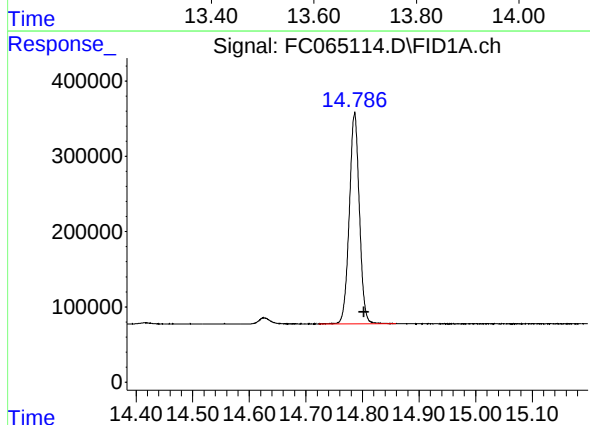
#13 n-Docosane (C22)

R.T.: 13.688 min
Delta R.T.: -0.017 min
Response: 3586918
Conc: 20.88 ug/ml

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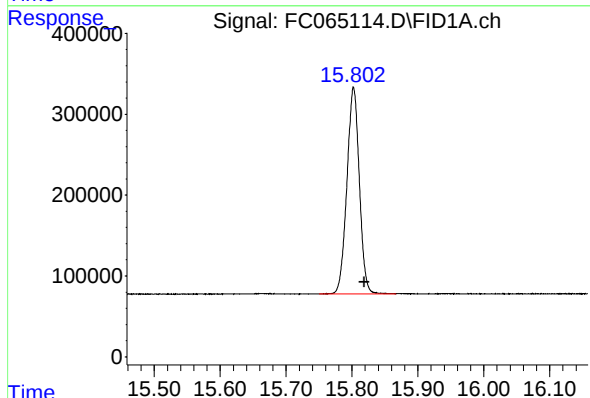
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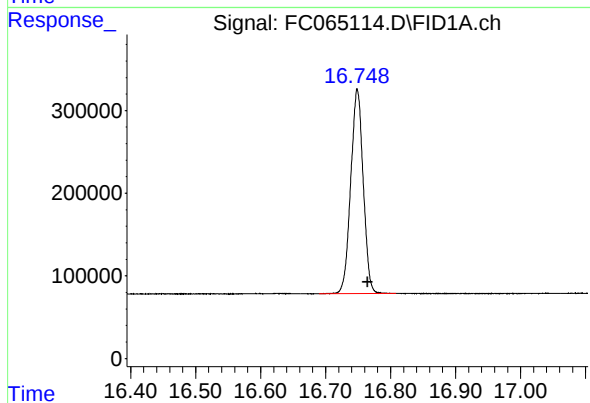
#14 n-Tetracosane (C24)

R.T.: 14.786 min
Delta R.T.: -0.016 min
Response: 3466249
Conc: 20.81 ug/ml



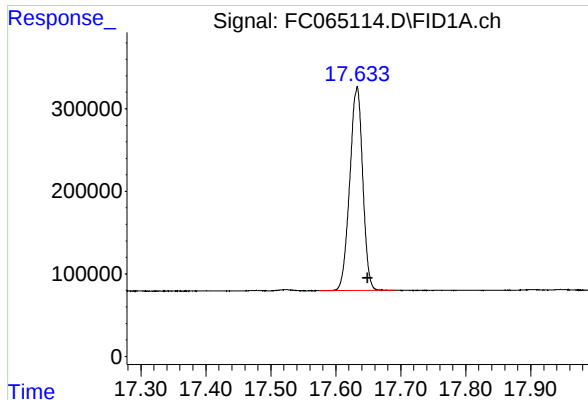
#15 n-Hexacosane (C26)

R.T.: 15.802 min
Delta R.T.: -0.016 min
Response: 3345451
Conc: 20.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.749 min
Delta R.T.: -0.016 min
Response: 3298421
Conc: 21.08 ug/ml



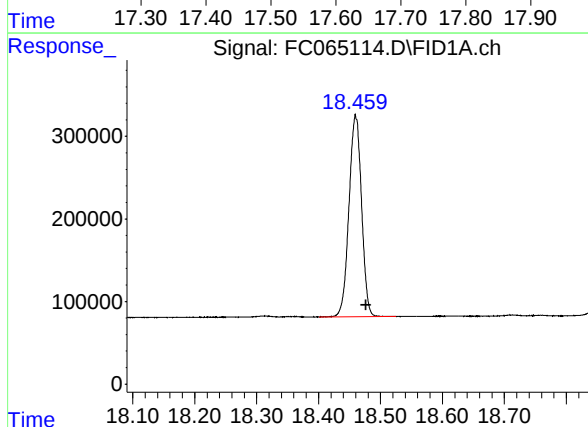
#17 n-Tricontane (C30)

R.T.: 17.633 min
Delta R.T.: -0.016 min
Response: 3424157
Conc: 21.62 ug/ml

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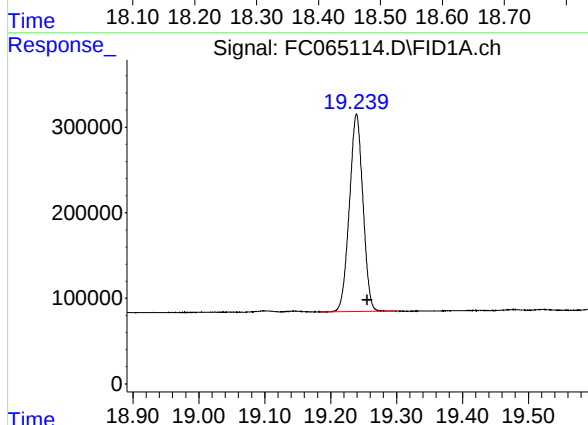
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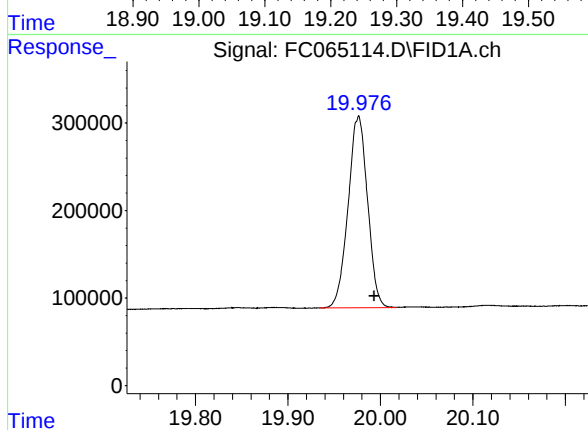
#18 n-Dotriacontane (C32)

R.T.: 18.460 min
Delta R.T.: -0.017 min
Response: 3447898
Conc: 21.84 ug/ml



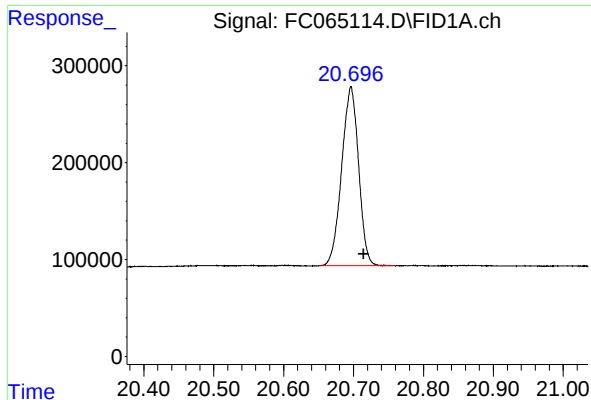
#19 n-Tetatriacontane (C34)

R.T.: 19.239 min
Delta R.T.: -0.016 min
Response: 3297360
Conc: 21.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.976 min
Delta R.T.: -0.017 min
Response: 3200916
Conc: 21.21 ug/ml m



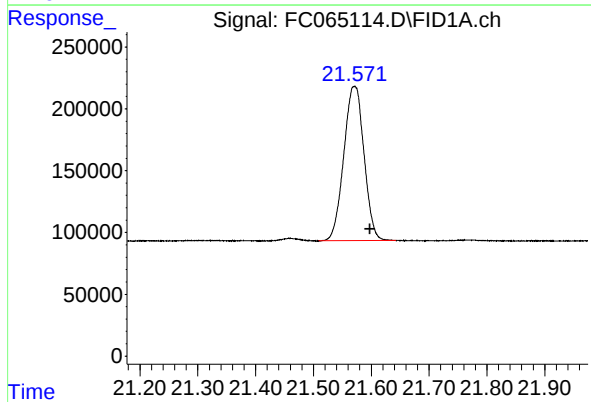
#21 n-Octatriacontane (C38)

R.T.: 20.696 min
Delta R.T.: -0.018 min
Response: 3104747
Conc: 20.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.571 min
Delta R.T.: -0.027 min
Response: 3030828
Conc: 20.61 ug/ml m