

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111823AL\
 Data File : FC065226.D
 Signal(s) : FID1A.ch
 Acq On : 18 Nov 2023 21:07
 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 11/20/2023
 Supervised By :Ankita Jodhani 11/20/2023

Integration File: autoint1.e
 Quant Time: Nov 20 04:12:21 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)	11.510	4361156	19.816 ug/ml
Spiked Amount 50.000		Recovery =	39.63%
12) S 1-chlorooctadecane (S...	12.942	3151862	19.938 ug/ml
Spiked Amount 50.000		Recovery =	39.88%
Target Compounds			
1) T n-Nonane (C9)	3.309	3885397	20.551 ug/ml
2) T n-Decane (C10)	4.369	3929587	20.666 ug/ml
3) T A~Naphthalene (C11.7)	5.950	4017915	20.810 ug/ml
4) T n-Dodecane (C12)	6.380	3936752	20.379 ug/ml
5) T A~2-methylnaphthalene...	7.004	3749555	20.404 ug/ml
6) T n-Tetradecane (C14)	8.168	3814926	20.218 ug/ml
7) T n-Hexadecane (C16)	9.761	3787837	20.039 ug/ml
8) T n-Octadecane (C18)	11.196	3744507	19.841 ug/ml
10) T n-Eicosane (C20)	12.498	3552021	19.758 ug/ml
11) T n-Heneicosane (C21)	13.108	3463070	19.725 ug/ml
13) T n-Docosane (C22)	13.692	3398031	19.782 ug/ml
14) T n-Tetracosane (C24)	14.789	3284231	19.718 ug/ml
15) T n-Hexacosane (C26)	15.806	3165720	19.723 ug/ml
16) T n-Octacosane (C28)	16.751	3046916	19.469 ug/mlm
17) T n-Tricontane (C30)	17.635	3106504	19.613 ug/ml
18) T n-Dotriacontane (C32)	18.465	3090344	19.572 ug/ml
19) T n-Tetratriacontane (C34)	19.245	3005473	19.690 ug/mlm
20) T n-Hexatriacontane (C36)	19.980	2956141	19.593 ug/mlm
21) T n-Octatriacontane (C38)	20.702	2912798	19.573 ug/ml
22) T n-Tetracontane (C40)	21.580	2888615	19.640 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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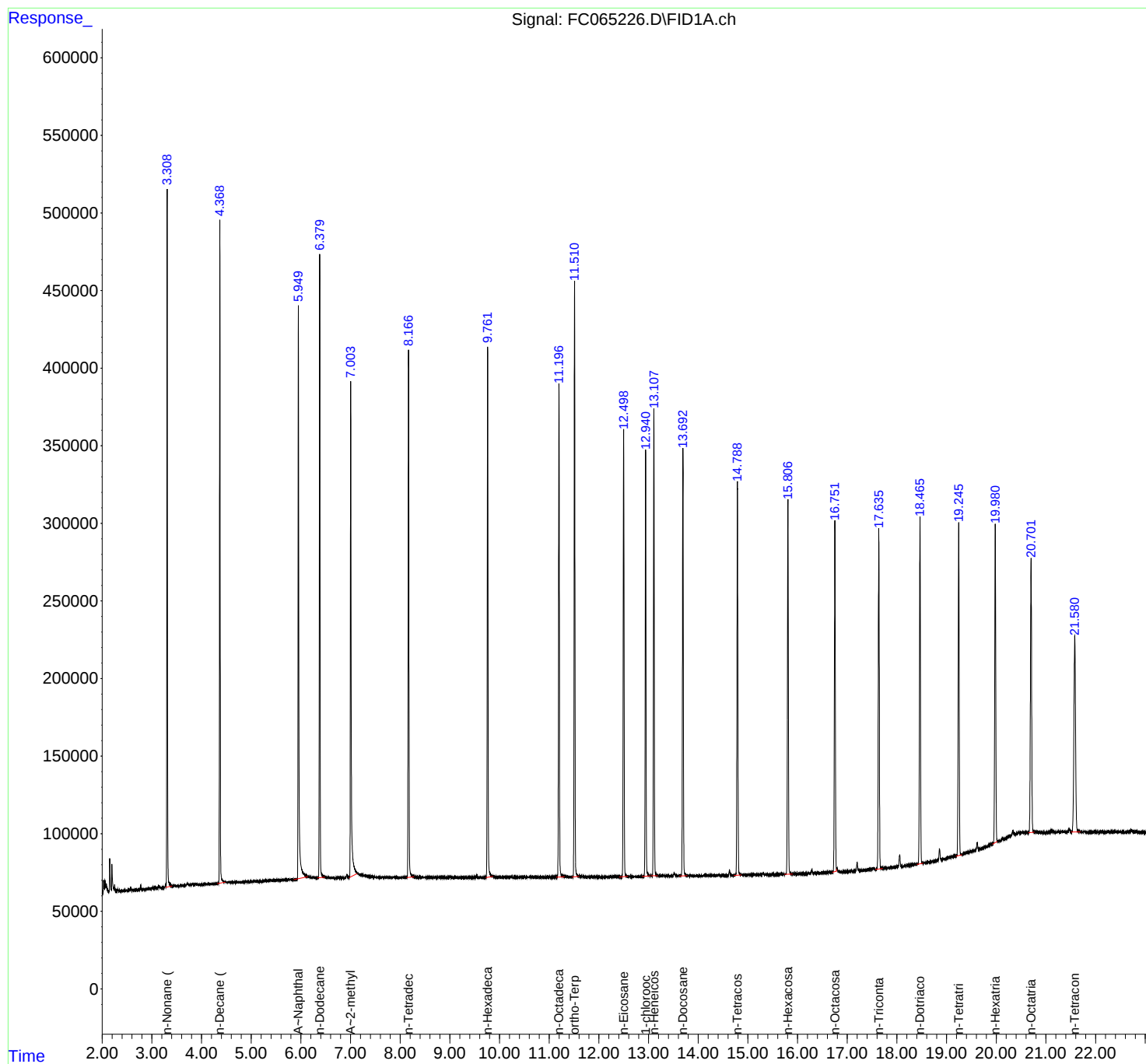
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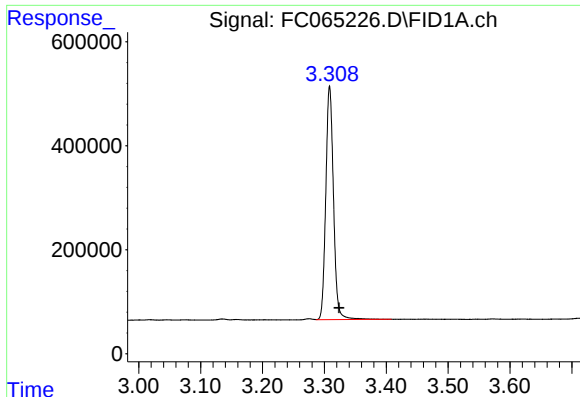
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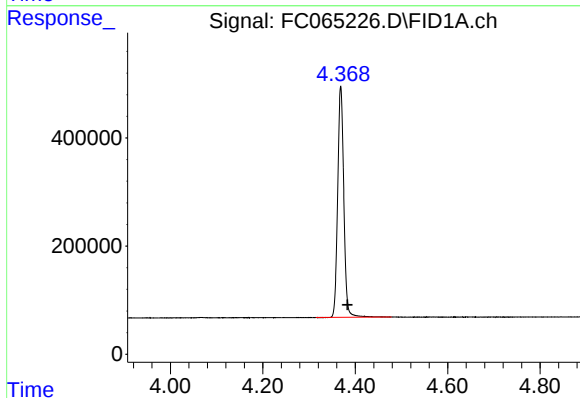
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.015 min
Response: 3885397
Conc: 20.55 ug/ml

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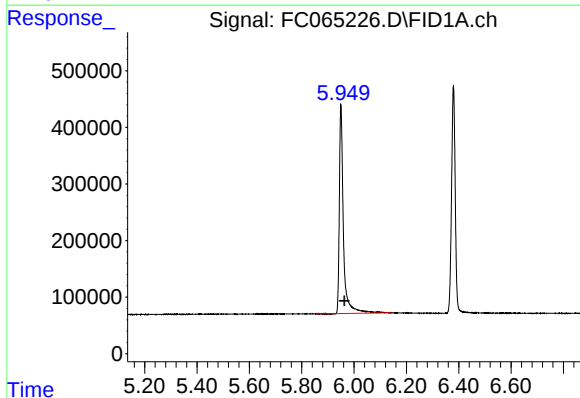
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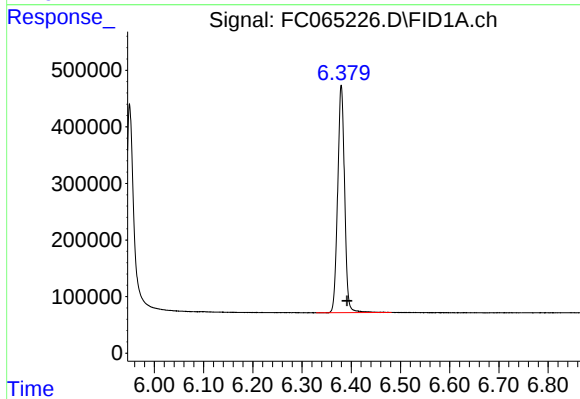
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: -0.015 min
Response: 3929587
Conc: 20.67 ug/ml



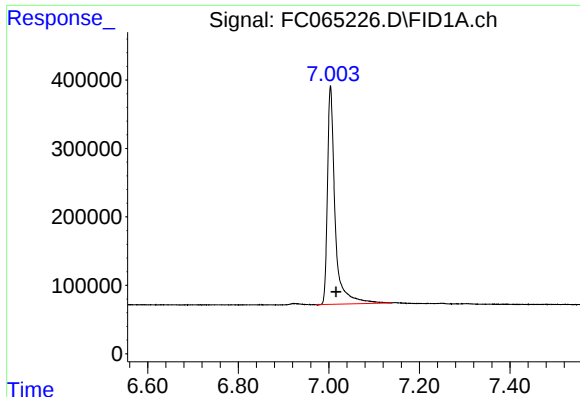
#3 A~Naphthalene (C11.7)

R.T.: 5.950 min
Delta R.T.: -0.013 min
Response: 4017915
Conc: 20.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.380 min
Delta R.T.: -0.012 min
Response: 3936752
Conc: 20.38 ug/ml



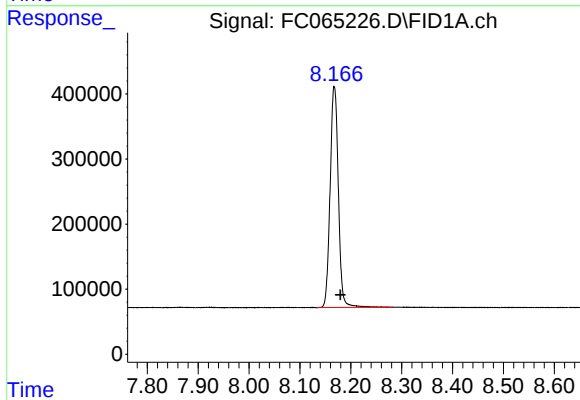
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.004 min
Delta R.T.: -0.012 min
Response: 3749555
Conc: 20.40 ug/ml

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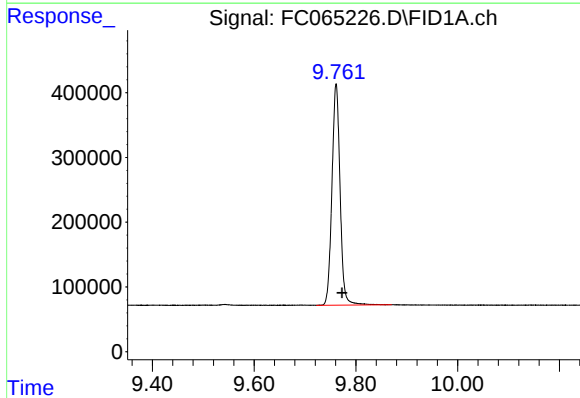
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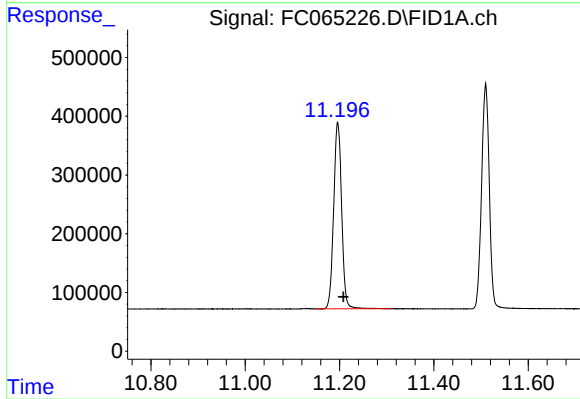
#6 n-Tetradecane (C14)

R.T.: 8.168 min
Delta R.T.: -0.012 min
Response: 3814926
Conc: 20.22 ug/ml



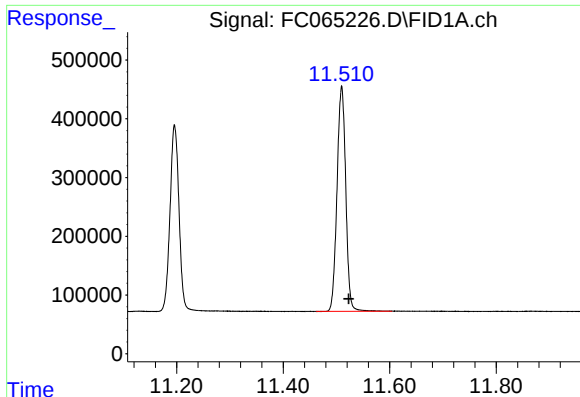
#7 n-Hexadecane (C16)

R.T.: 9.761 min
Delta R.T.: -0.012 min
Response: 3787837
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.196 min
Delta R.T.: -0.012 min
Response: 3744507
Conc: 19.84 ug/ml



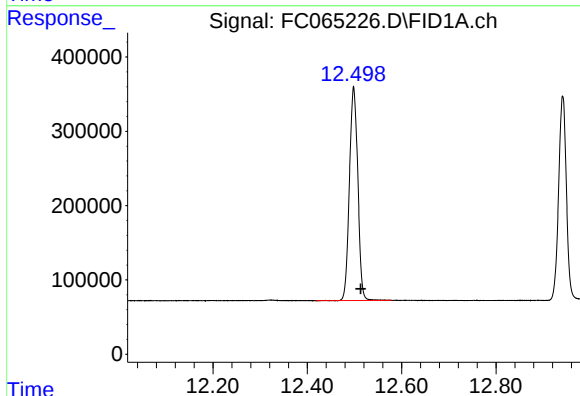
#9 ortho-Terphenyl (SURR)

R.T.: 11.510 min
Delta R.T.: -0.013 min
Response: 4361156
Conc: 19.82 ug/ml

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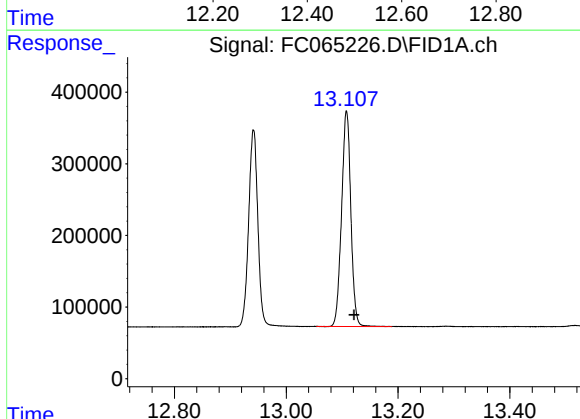
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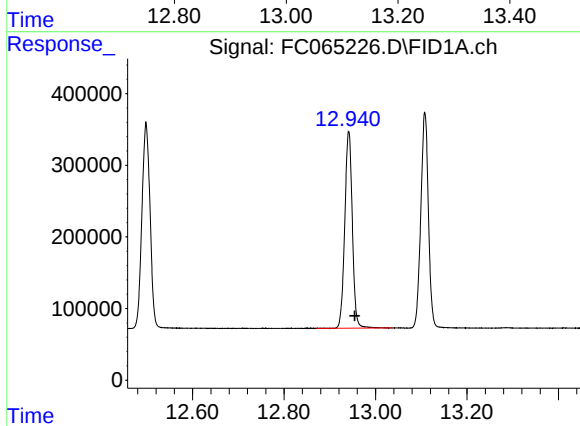
#10 n-Eicosane (C20)

R.T.: 12.498 min
Delta R.T.: -0.015 min
Response: 3552021
Conc: 19.76 ug/ml



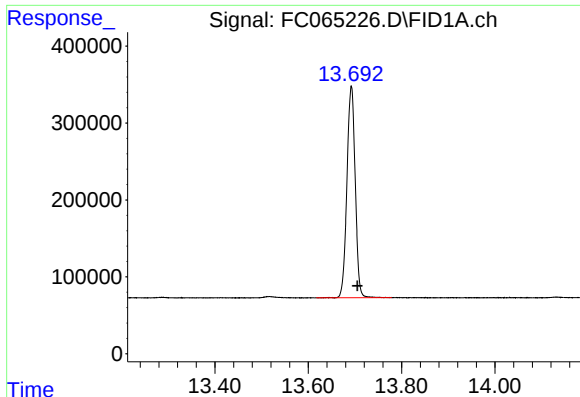
#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: -0.013 min
Response: 3463070
Conc: 19.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min
Delta R.T.: -0.013 min
Response: 3151862
Conc: 19.94 ug/ml



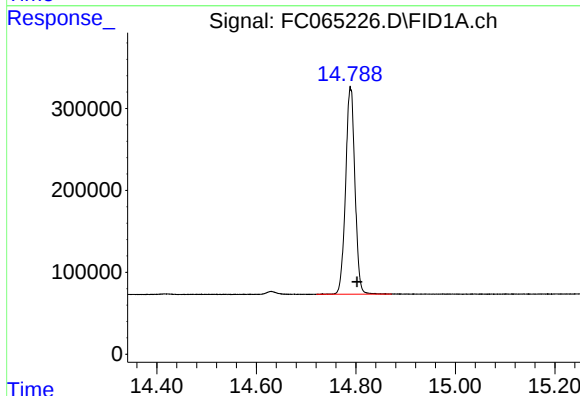
#13 n-Docosane (C22)

R.T.: 13.692 min
Delta R.T.: -0.013 min
Response: 3398031
Conc: 19.78 ug/ml

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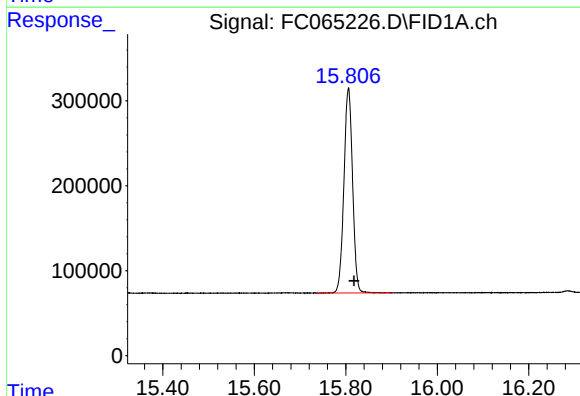
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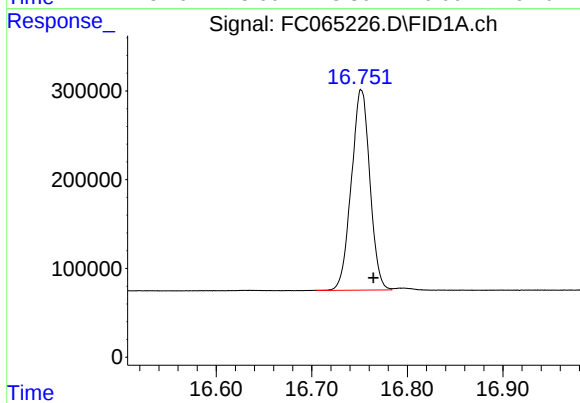
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: -0.013 min
Response: 3284231
Conc: 19.72 ug/ml



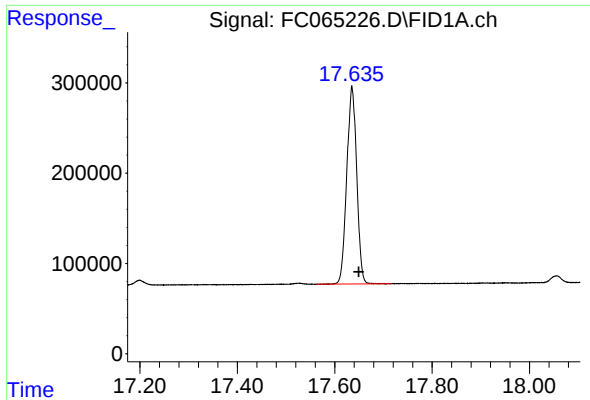
#15 n-Hexacosane (C26)

R.T.: 15.806 min
Delta R.T.: -0.013 min
Response: 3165720
Conc: 19.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.751 min
Delta R.T.: -0.014 min
Response: 3046916
Conc: 19.47 ug/ml m



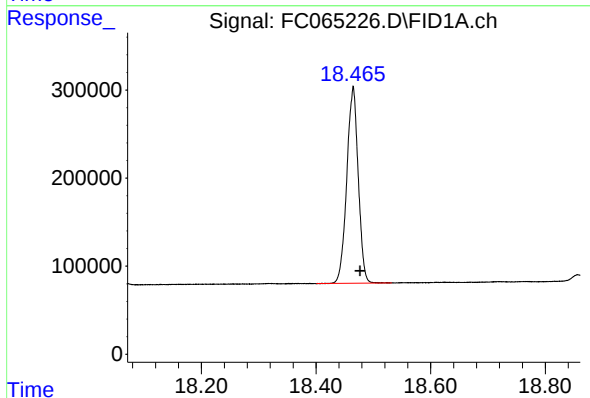
#17 n-Tricontane (C30)

R.T.: 17.635 min
Delta R.T.: -0.014 min
Response: 3106504
Conc: 19.61 ug/ml

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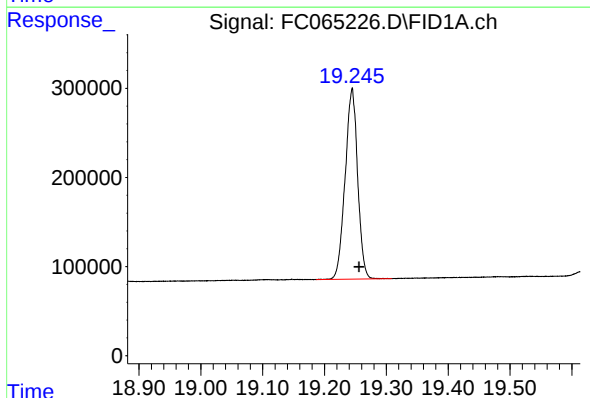
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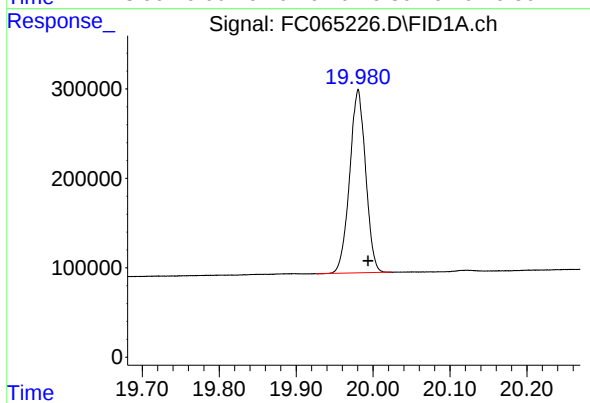
#18 n-Dotriacontane (C32)

R.T.: 18.465 min
Delta R.T.: -0.012 min
Response: 3090344
Conc: 19.57 ug/ml



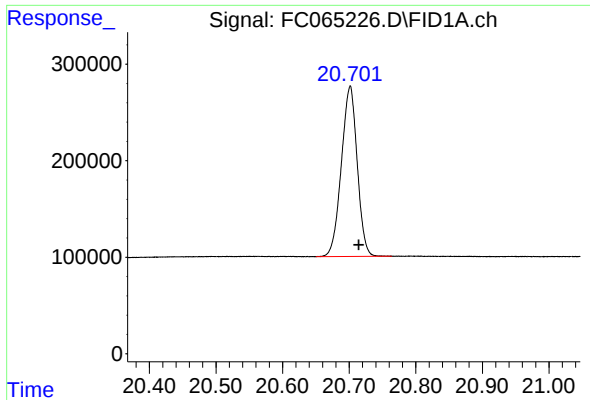
#19 n-Tetratriacontane (C34)

R.T.: 19.245 min
Delta R.T.: -0.011 min
Response: 3005473
Conc: 19.69 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.980 min
Delta R.T.: -0.013 min
Response: 2956141
Conc: 19.59 ug/ml m



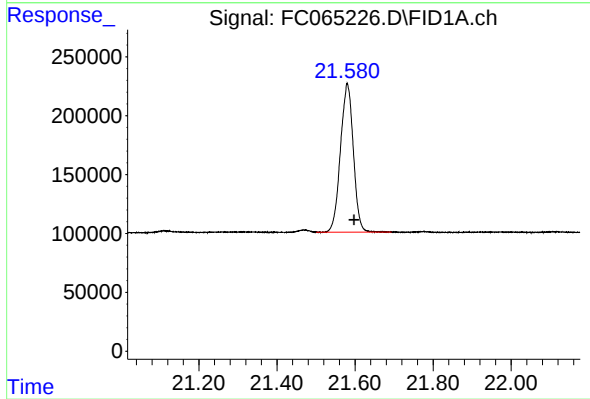
#21 n-Octatriacontane (C38)

R.T.: 20.702 min
Delta R.T.: -0.013 min
Response: 2912798
Conc: 19.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.580 min
Delta R.T.: -0.018 min
Response: 2888615
Conc: 19.64 ug/ml