

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032124AL\
 Data File : FC066072.D
 Signal(s) : FID1A.ch
 Acq On : 21 Mar 2024 09:15
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/22/2024
 Supervised By :Ankita Jodhani 03/22/2024

Integration File: autoint1.e
 Quant Time: Mar 22 01:06:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030424.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 04 13:09:51 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)	11.472	3897155	19.941 ug/ml
Spiked Amount 50.000		Recovery =	39.88%
12) S 1-chlorooctadecane (S...	12.899	2871496	19.696 ug/ml
Spiked Amount 50.000		Recovery =	39.39%
Target Compounds			
1) T n-Nonane (C9)	3.275	3182044	19.046 ug/ml
2) T n-Decane (C10)	4.336	3384443	19.514 ug/ml
3) T A~Naphthalene (C11.7)	5.921	3625510	20.203 ug/ml
4) T n-Dodecane (C12)	6.345	3454621	19.604 ug/ml
5) T A~2-methylnaphthalene...	6.974	3387878	19.889 ug/ml
6) T n-Tetradecane (C14)	8.133	3378252	19.427 ug/mlm
7) T n-Hexadecane (C16)	9.724	3457643	19.354 ug/ml
8) T n-Octadecane (C18)	11.157	3520317	19.367 ug/ml
10) T n-Eicosane (C20)	12.457	3423045	19.603 ug/ml
11) T n-Heneicosane (C21)	13.065	3386780	19.534 ug/ml
13) T n-Docosane (C22)	13.647	3408265	19.817 ug/ml
14) T n-Tetracosane (C24)	14.741	3491060	20.440 ug/ml
15) T n-Hexacosane (C26)	15.755	3509821	20.844 ug/ml
16) T n-Octacosane (C28)	16.696	3589237	21.588 ug/ml
17) T n-Tricontane (C30)	17.579	3813530	22.335 ug/ml
18) T n-Dotriacontane (C32)	18.404	3821901	22.672 ug/mlm
19) T n-Tetratriacontane (C34)	19.183	3632862	22.166 ug/ml
20) T n-Hexatriacontane (C36)	19.916	3401501	21.393 ug/mlm
21) T n-Octatriacontane (C38)	20.627	3288762	20.996 ug/mlm
22) T n-Tetracontane (C40)	21.482	3484429	22.034 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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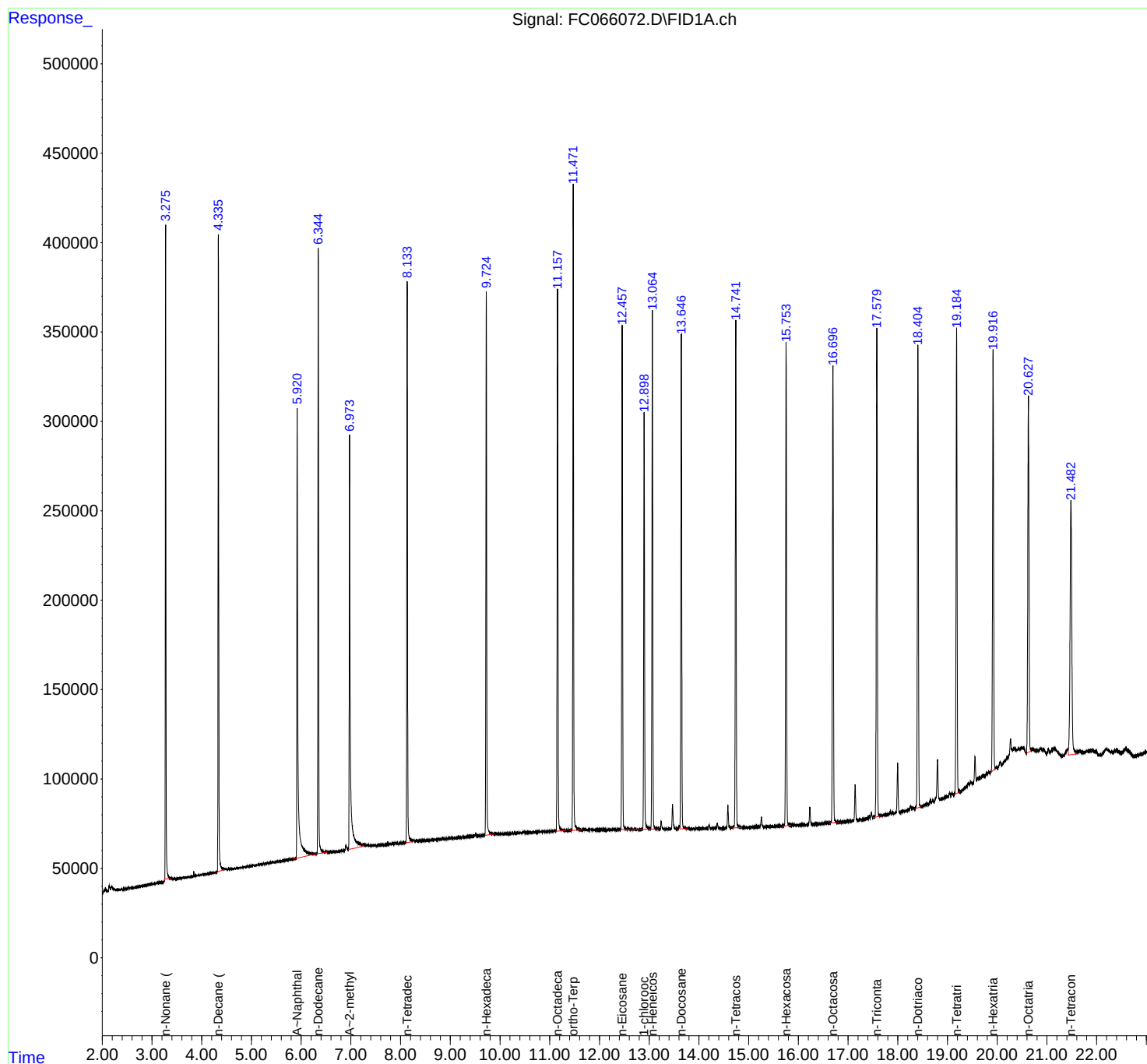
Instrument :
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20 PPM ALIPHATIC HC STD

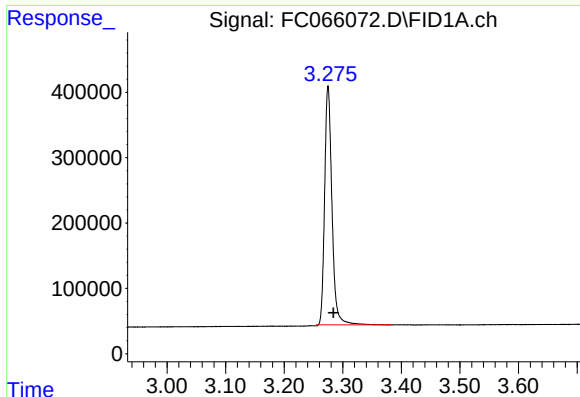
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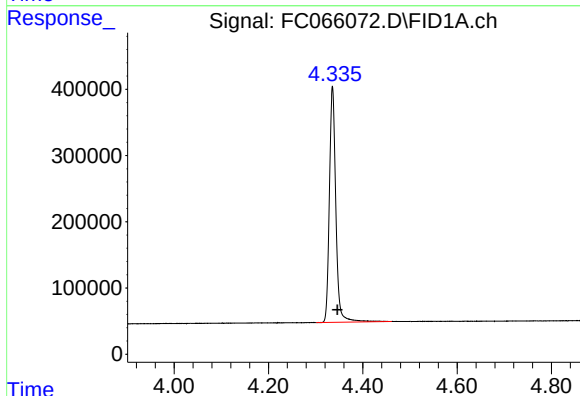
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: -0.009 min
Response: 3182044
Conc: 19.05 ug/ml

Instrument :
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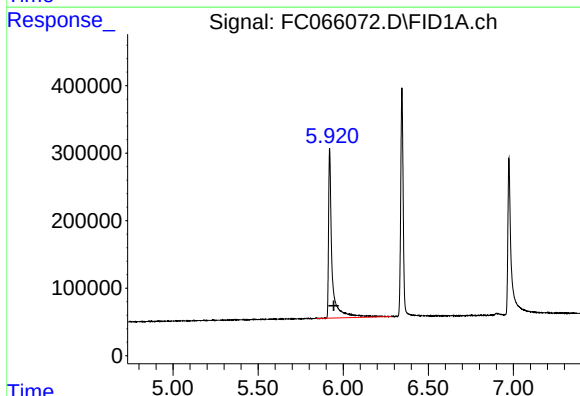
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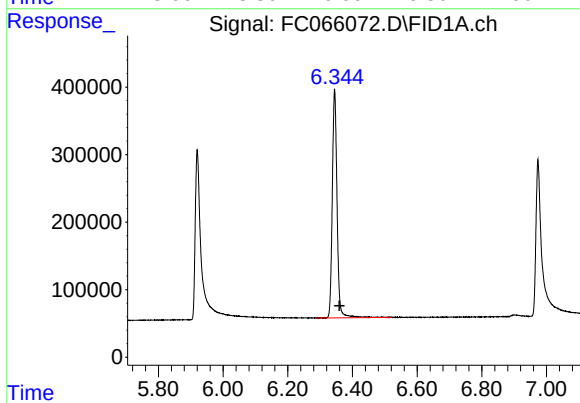
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: -0.011 min
Response: 3384443
Conc: 19.51 ug/ml



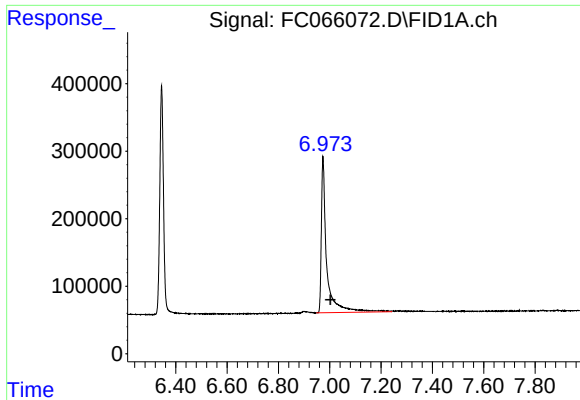
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: -0.024 min
Response: 3625510
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.345 min
Delta R.T.: -0.015 min
Response: 3454621
Conc: 19.60 ug/ml



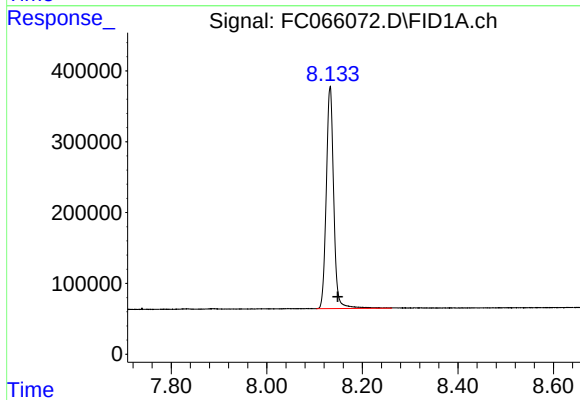
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.974 min
Delta R.T.: -0.028 min
Response: 3387878
Conc: 19.89 ug/ml

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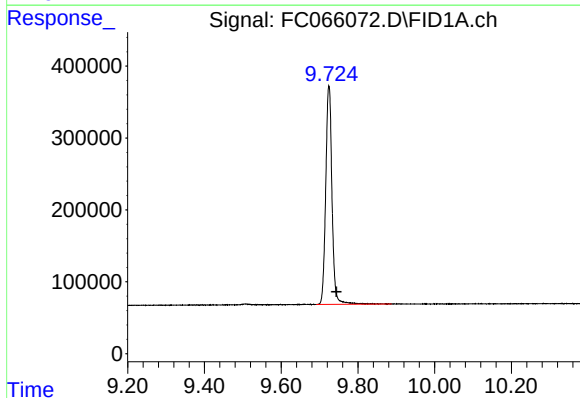
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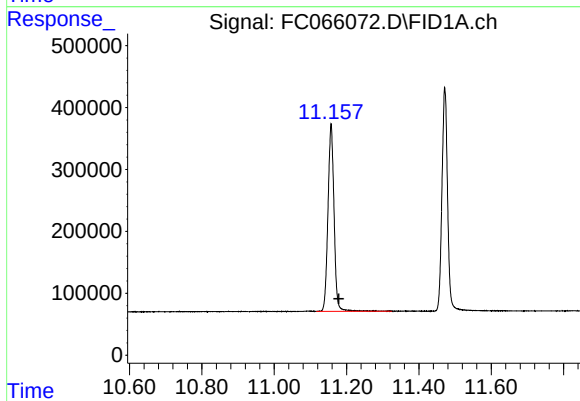
#6 n-Tetradecane (C14)

R.T.: 8.133 min
Delta R.T.: -0.016 min
Response: 3378252
Conc: 19.43 ug/ml m



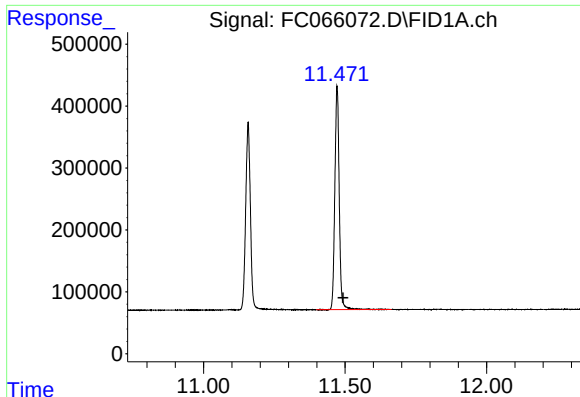
#7 n-Hexadecane (C16)

R.T.: 9.724 min
Delta R.T.: -0.020 min
Response: 3457643
Conc: 19.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.157 min
Delta R.T.: -0.022 min
Response: 3520317
Conc: 19.37 ug/ml



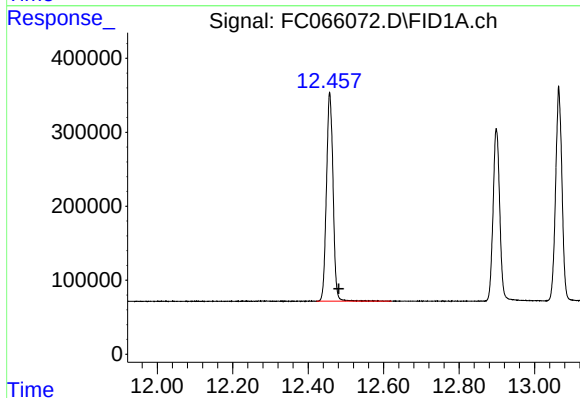
#9 ortho-Terphenyl (SURR)

R.T.: 11.472 min
Delta R.T.: -0.021 min
Response: 3897155
Conc: 19.94 ug/ml

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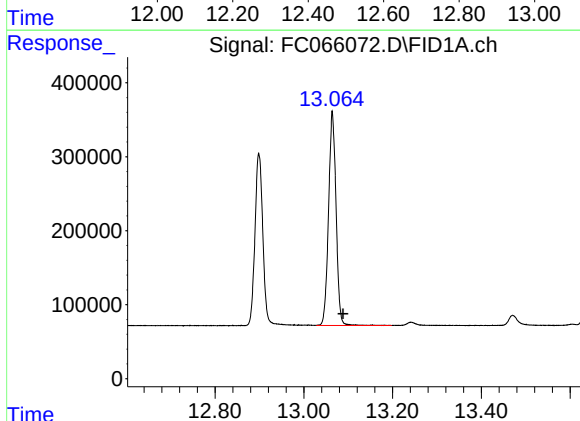
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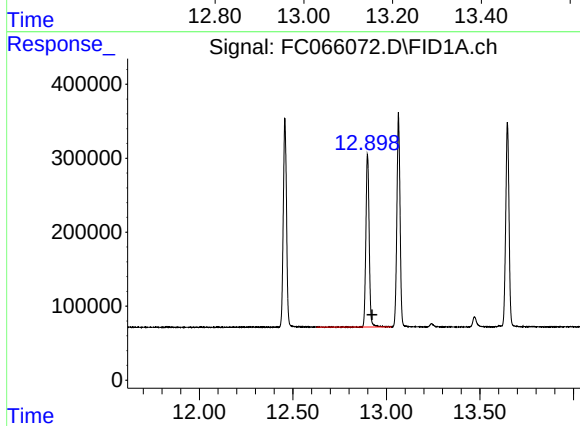
#10 n-Eicosane (C20)

R.T.: 12.457 min
Delta R.T.: -0.023 min
Response: 3423045
Conc: 19.60 ug/ml



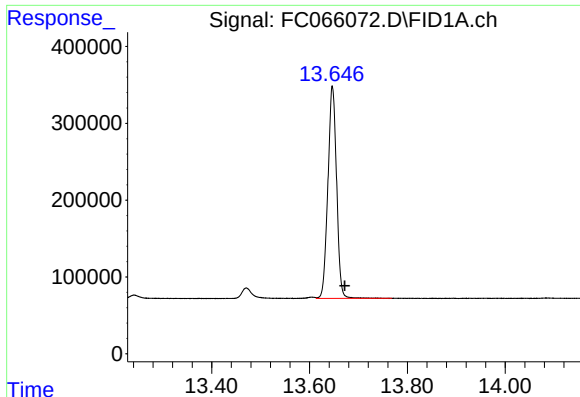
#11 n-Heneicosane (C21)

R.T.: 13.065 min
Delta R.T.: -0.024 min
Response: 3386780
Conc: 19.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.899 min
Delta R.T.: -0.025 min
Response: 2871496
Conc: 19.70 ug/ml



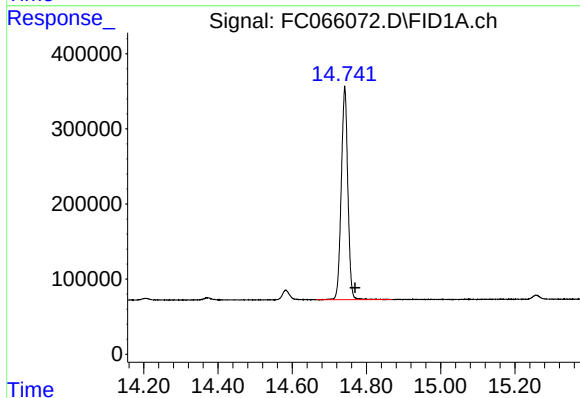
#13 n-Docosane (C22)

R.T.: 13.647 min
Delta R.T.: -0.025 min
Response: 3408265
Conc: 19.82 ug/ml

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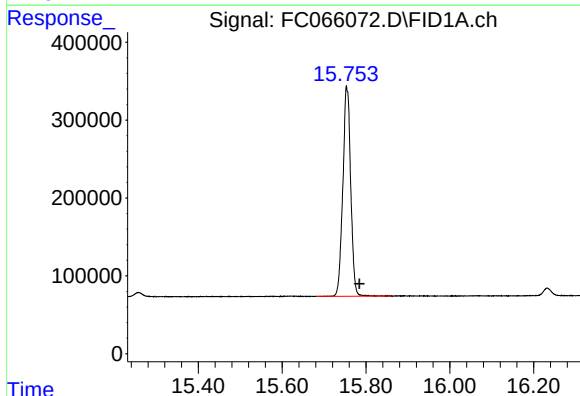
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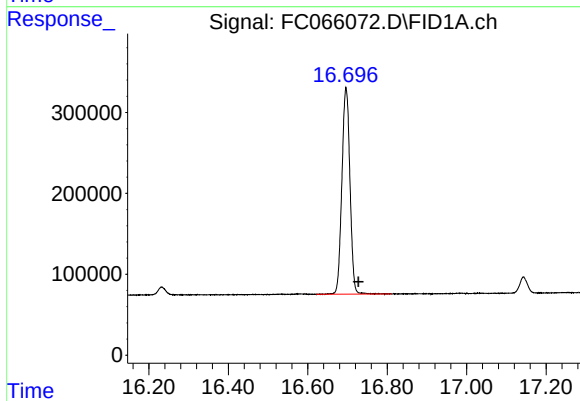
#14 n-Tetracosane (C24)

R.T.: 14.741 min
Delta R.T.: -0.028 min
Response: 3491060
Conc: 20.44 ug/ml



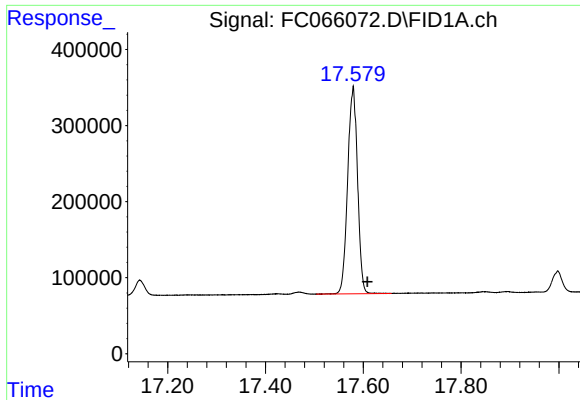
#15 n-Hexacosane (C26)

R.T.: 15.755 min
Delta R.T.: -0.030 min
Response: 3509821
Conc: 20.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.696 min
Delta R.T.: -0.031 min
Response: 3589237
Conc: 21.59 ug/ml



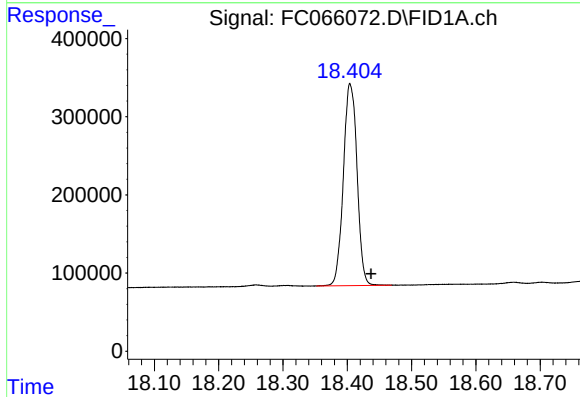
#17 n-Tricontane (C30)

R.T.: 17.579 min
Delta R.T.: -0.030 min
Response: 3813530
Conc: 22.34 ug/ml

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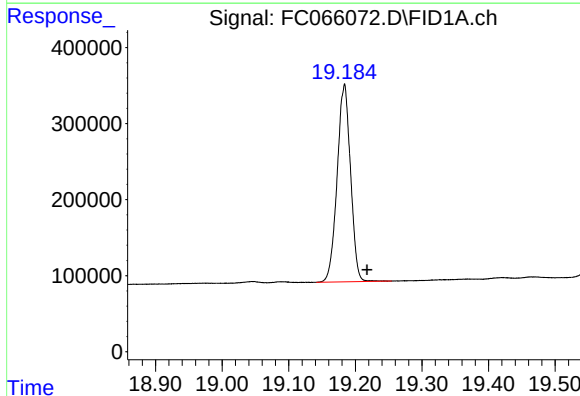
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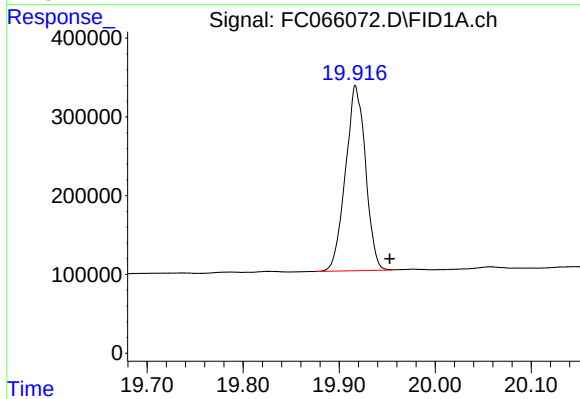
#18 n-Dotriacontane (C32)

R.T.: 18.404 min
Delta R.T.: -0.033 min
Response: 3821901
Conc: 22.67 ug/ml m



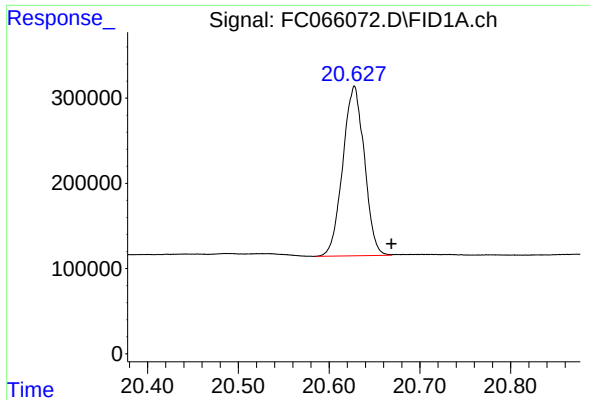
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: -0.034 min
Response: 3632862
Conc: 22.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.916 min
Delta R.T.: -0.036 min
Response: 3401501
Conc: 21.39 ug/ml m



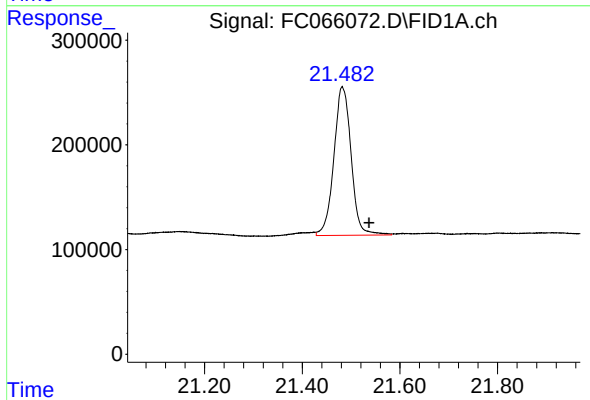
#21 n-Octatriacontane (C38)

R.T.: 20.627 min
Delta R.T.: -0.041 min
Response: 3288762
Conc: 21.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.482 min
Delta R.T.: -0.055 min
Response: 3484429
Conc: 22.03 ug/ml m