

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031924AL\
 Data File : FC066056.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2024 09:56
 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 03/20/2024
 Supervised By :Ankita Jodhani 03/20/2024

Integration File: autoint1.e
 Quant Time: Mar 20 11:29:27 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)	11.474	3850913	19.705 ug/ml
Spiked Amount 50.000		Recovery =	39.41%
12) S 1-chlorooctadecane (S...	12.901	2860718	19.622 ug/ml
Spiked Amount 50.000		Recovery =	39.24%
Target Compounds			
1) T n-Nonane (C9)	3.278	3350394	20.054 ug/ml
2) T n-Decane (C10)	4.338	3426694	19.758 ug/ml
3) T A~Naphthalene (C11.7)	5.929	3653897	20.361 ug/ml
4) T n-Dodecane (C12)	6.348	3495045	19.833 ug/ml
5) T A~2-methylnaphthalene...	6.985	3363592	19.747 ug/ml
6) T n-Tetradecane (C14)	8.135	3328479	19.141 ug/ml
7) T n-Hexadecane (C16)	9.727	3421081	19.150 ug/ml
8) T n-Octadecane (C18)	11.158	3491772	19.210 ug/ml
10) T n-Eicosane (C20)	12.459	3413923	19.551 ug/ml
11) T n-Heneicosane (C21)	13.066	3390763	19.557 ug/ml
13) T n-Docosane (C22)	13.648	3463090	20.136 ug/ml
14) T n-Tetracosane (C24)	14.742	3558561	20.835 ug/ml
15) T n-Hexacosane (C26)	15.755	3596351	21.357 ug/ml
16) T n-Octacosane (C28)	16.698	3701051	22.260 ug/ml
17) T n-Tricontane (C30)	17.579	3920497	22.962 ug/ml
18) T n-Dotriacontane (C32)	18.407	3857324	22.882 ug/ml
19) T n-Tetratriacontane (C34)	19.183	3689118	22.509 ug/ml
20) T n-Hexatriacontane (C36)	19.920	3495481	21.985 ug/mlm
21) T n-Octatriacontane (C38)	20.628	3398075	21.694 ug/ml
22) T n-Tetracontane (C40)	21.485	3321367	21.003 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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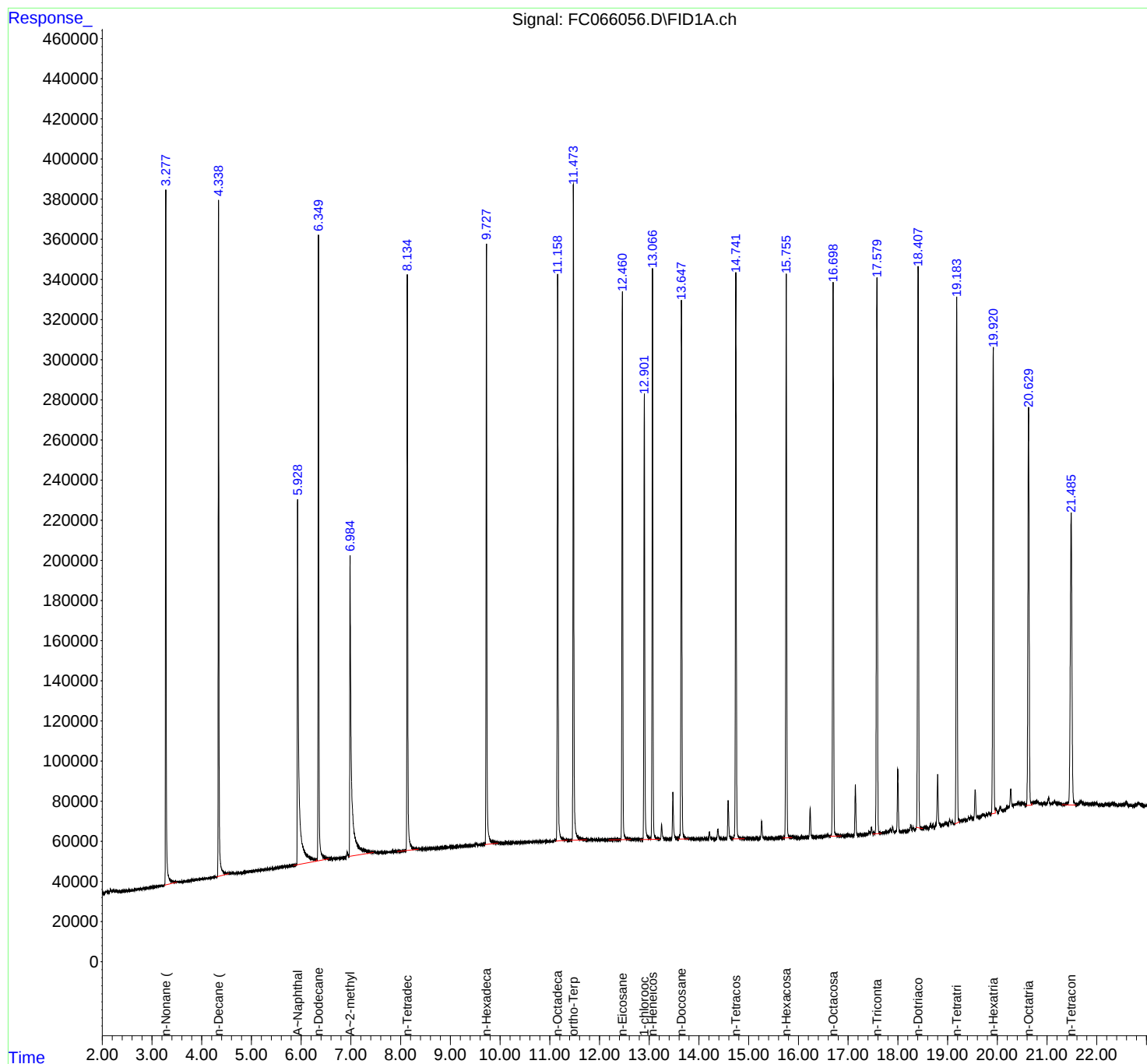
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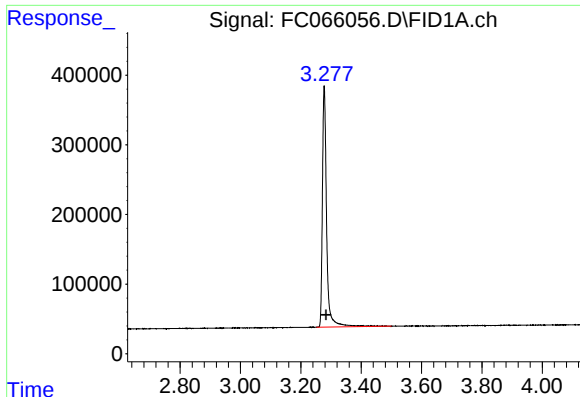
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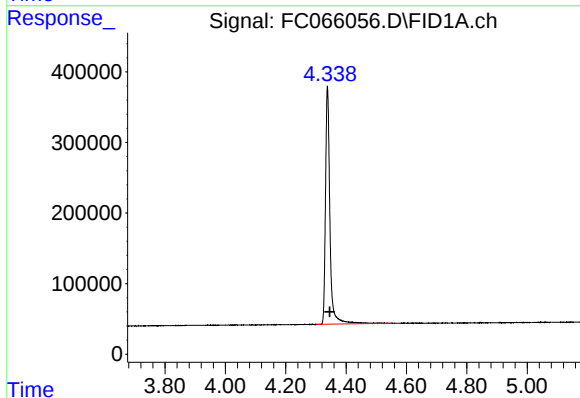
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: -0.006 min
Response: 3350394
Conc: 20.05 ug/ml

Instrument :
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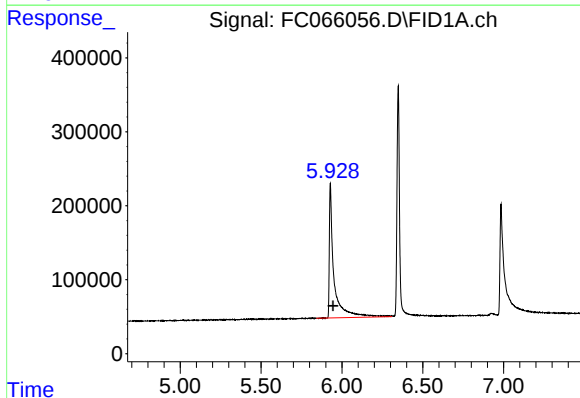
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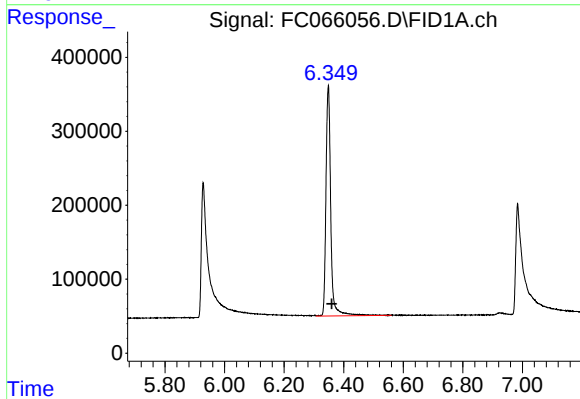
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: -0.008 min
Response: 3426694
Conc: 19.76 ug/ml



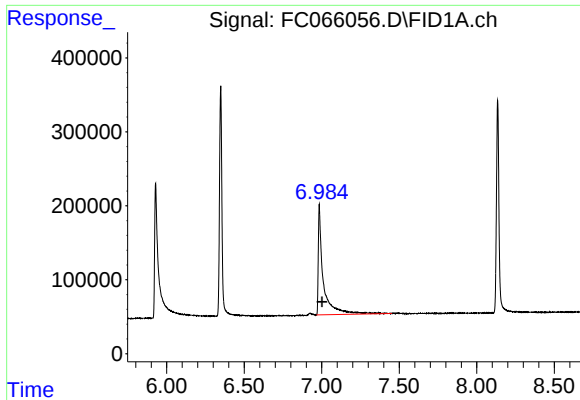
#3 A~Naphthalene (C11.7)

R.T.: 5.929 min
Delta R.T.: -0.016 min
Response: 3653897
Conc: 20.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.348 min
Delta R.T.: -0.012 min
Response: 3495045
Conc: 19.83 ug/ml



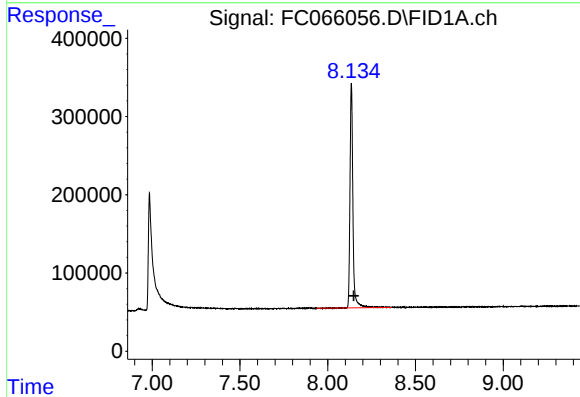
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.985 min
Delta R.T.: -0.018 min
Response: 3363592
Conc: 19.75 ug/ml

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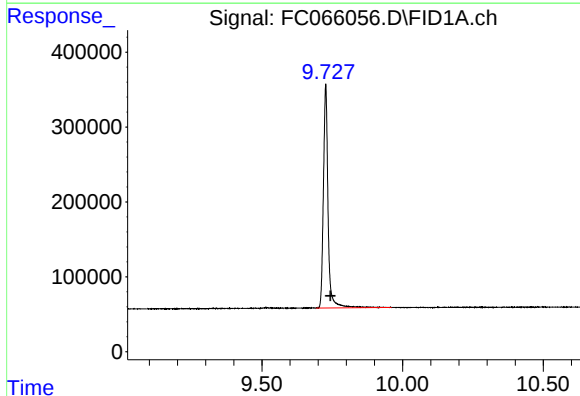
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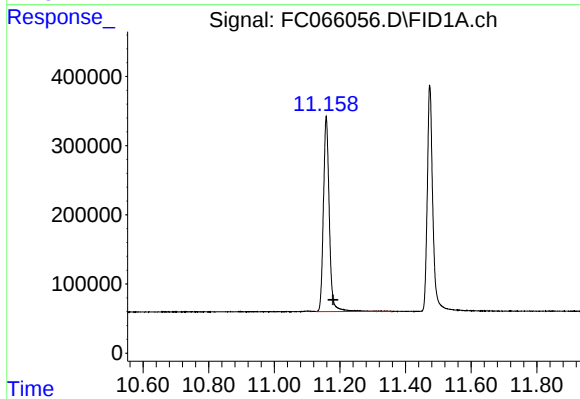
#6 n-Tetradecane (C14)

R.T.: 8.135 min
Delta R.T.: -0.014 min
Response: 3328479
Conc: 19.14 ug/ml



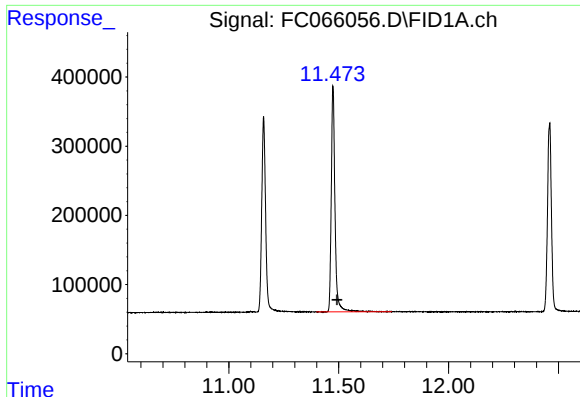
#7 n-Hexadecane (C16)

R.T.: 9.727 min
Delta R.T.: -0.017 min
Response: 3421081
Conc: 19.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.158 min
Delta R.T.: -0.021 min
Response: 3491772
Conc: 19.21 ug/ml



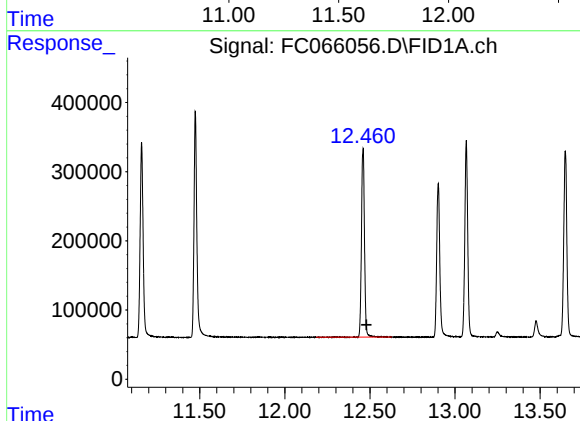
#9 ortho-Terphenyl (SURR)

R.T.: 11.474 min
Delta R.T.: -0.019 min
Response: 3850913
Conc: 19.70 ug/ml

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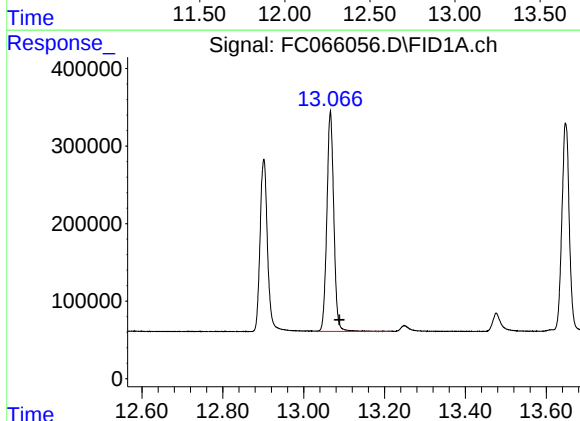
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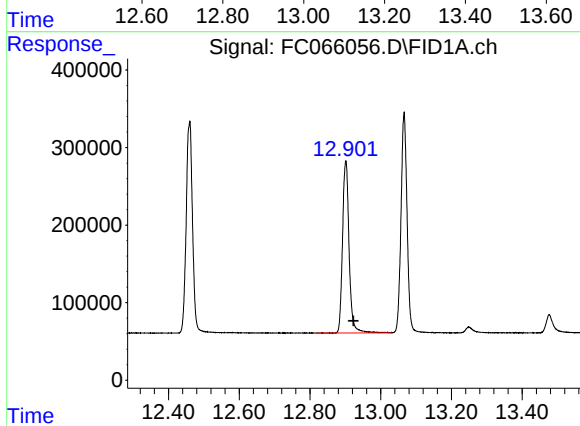
#10 n-Eicosane (C20)

R.T.: 12.459 min
Delta R.T.: -0.021 min
Response: 3413923
Conc: 19.55 ug/ml



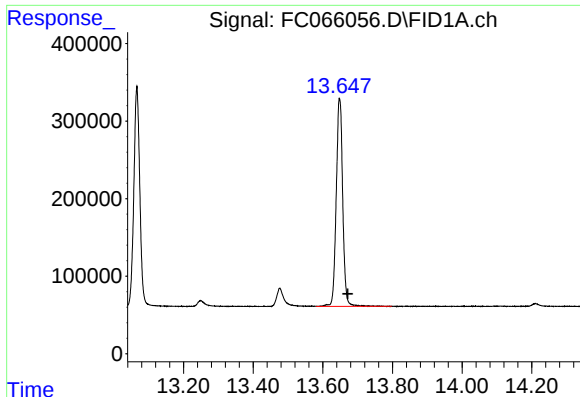
#11 n-Heneicosane (C21)

R.T.: 13.066 min
Delta R.T.: -0.023 min
Response: 3390763
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.901 min
Delta R.T.: -0.022 min
Response: 2860718
Conc: 19.62 ug/ml



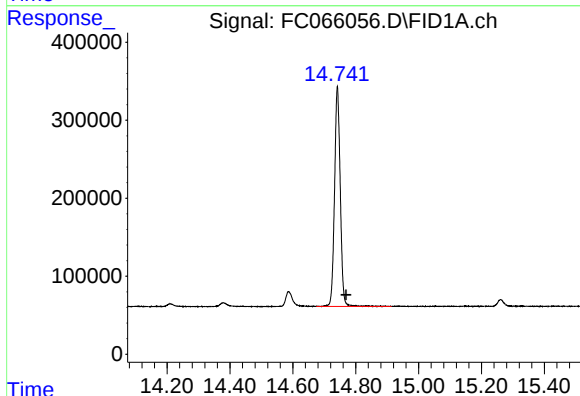
#13 n-Docosane (C22)

R.T.: 13.648 min
Delta R.T.: -0.023 min
Response: 3463090
Conc: 20.14 ug/ml

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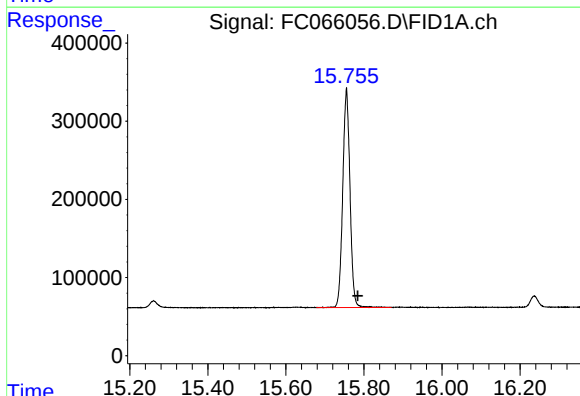
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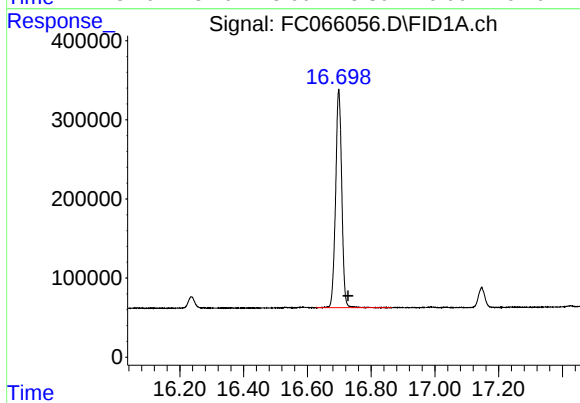
#14 n-Tetracosane (C24)

R.T.: 14.742 min
Delta R.T.: -0.028 min
Response: 3558561
Conc: 20.83 ug/ml



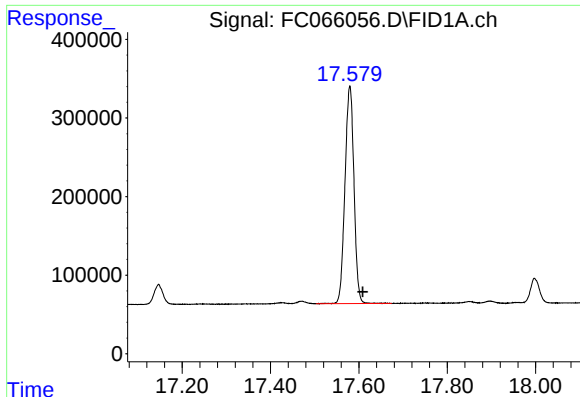
#15 n-Hexacosane (C26)

R.T.: 15.755 min
Delta R.T.: -0.029 min
Response: 3596351
Conc: 21.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.698 min
Delta R.T.: -0.029 min
Response: 3701051
Conc: 22.26 ug/ml



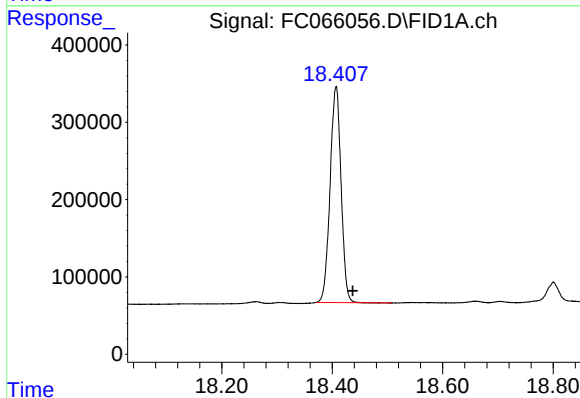
#17 n-Tricontane (C30)

R.T.: 17.579 min
Delta R.T.: -0.029 min
Response: 3920497
Conc: 22.96 ug/ml

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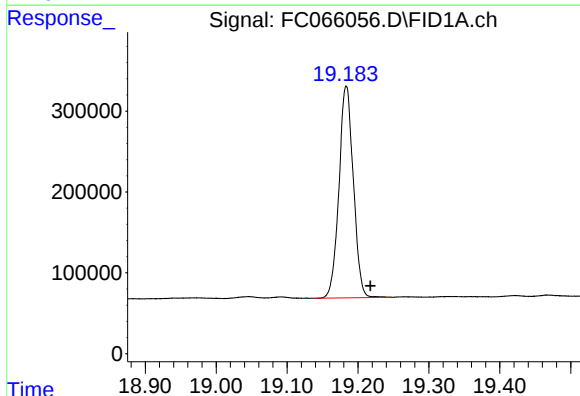
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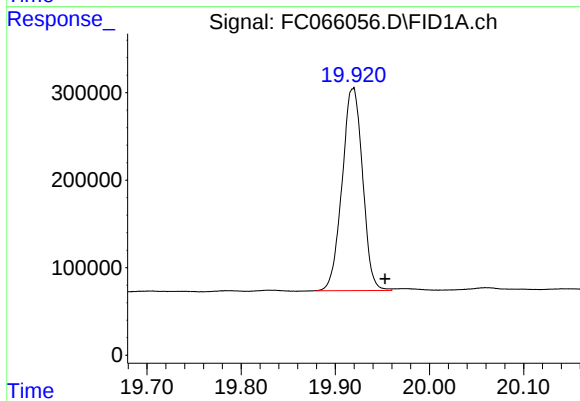
#18 n-Dotriacontane (C32)

R.T.: 18.407 min
Delta R.T.: -0.030 min
Response: 3857324
Conc: 22.88 ug/ml



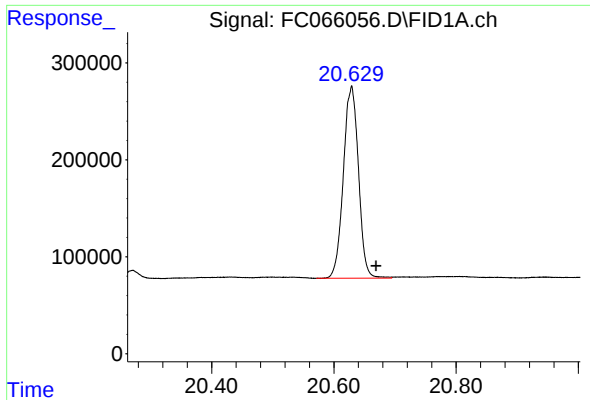
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: -0.034 min
Response: 3689118
Conc: 22.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.920 min
Delta R.T.: -0.033 min
Response: 3495481
Conc: 21.98 ug/ml m



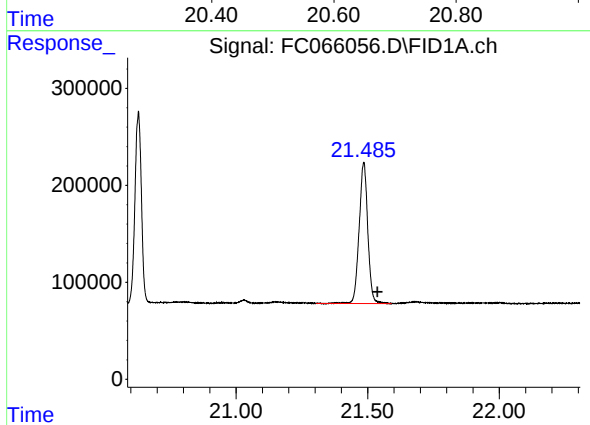
#21 n-Octatriacontane (C38)

R.T.: 20.628 min
Delta R.T.: -0.040 min
Response: 3398075
Conc: 21.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.485 min
Delta R.T.: -0.052 min
Response: 3321367
Conc: 21.00 ug/ml