

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031924AL\
 Data File : FC066040.D
 Signal(s) : FID1A.ch
 Acq On : 19 Mar 2024 12:58
 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 03:12:35 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	3826448	19.580 ug/ml
Spiked Amount 50.000		Recovery =	39.16%
12) S 1-chlorooctadecane (S...	12.900	2807536	19.257 ug/ml
Spiked Amount 50.000		Recovery =	38.51%
Target Compounds			
1) T n-Nonane (C9)	3.279	3339462	19.988 ug/ml
2) T n-Decane (C10)	4.339	3387877	19.534 ug/ml
3) T A~Naphthalene (C11.7)	5.930	3644100	20.306 ug/ml
4) T n-Dodecane (C12)	6.348	3462662	19.649 ug/ml
5) T A~2-methylnaphthalene...	6.986	3329448	19.546 ug/ml
6) T n-Tetradecane (C14)	8.135	3307889	19.022 ug/ml
7) T n-Hexadecane (C16)	9.726	3397778	19.019 ug/ml
8) T n-Octadecane (C18)	11.158	3470140	19.091 ug/ml
10) T n-Eicosane (C20)	12.459	3344658	19.155 ug/ml
11) T n-Heneicosane (C21)	13.065	3360521	19.383 ug/ml
13) T n-Docosane (C22)	13.648	3429709	19.942 ug/ml
14) T n-Tetracosane (C24)	14.742	3527514	20.653 ug/ml
15) T n-Hexacosane (C26)	15.756	3560952	21.147 ug/ml
16) T n-Octacosane (C28)	16.697	3656217	21.991 ug/ml
17) T n-Tricontane (C30)	17.579	3857547	22.593 ug/ml
18) T n-Dotriacontane (C32)	18.404	3811570	22.611 ug/mlm
19) T n-Tetratriacontane (C34)	19.183	3625865	22.123 ug/ml
20) T n-Hexatriacontane (C36)	19.916	3410871	21.452 ug/mlm
21) T n-Octatriacontane (C38)	20.627	3249824	20.747 ug/ml
22) T n-Tetracontane (C40)	21.482	3023244	19.118 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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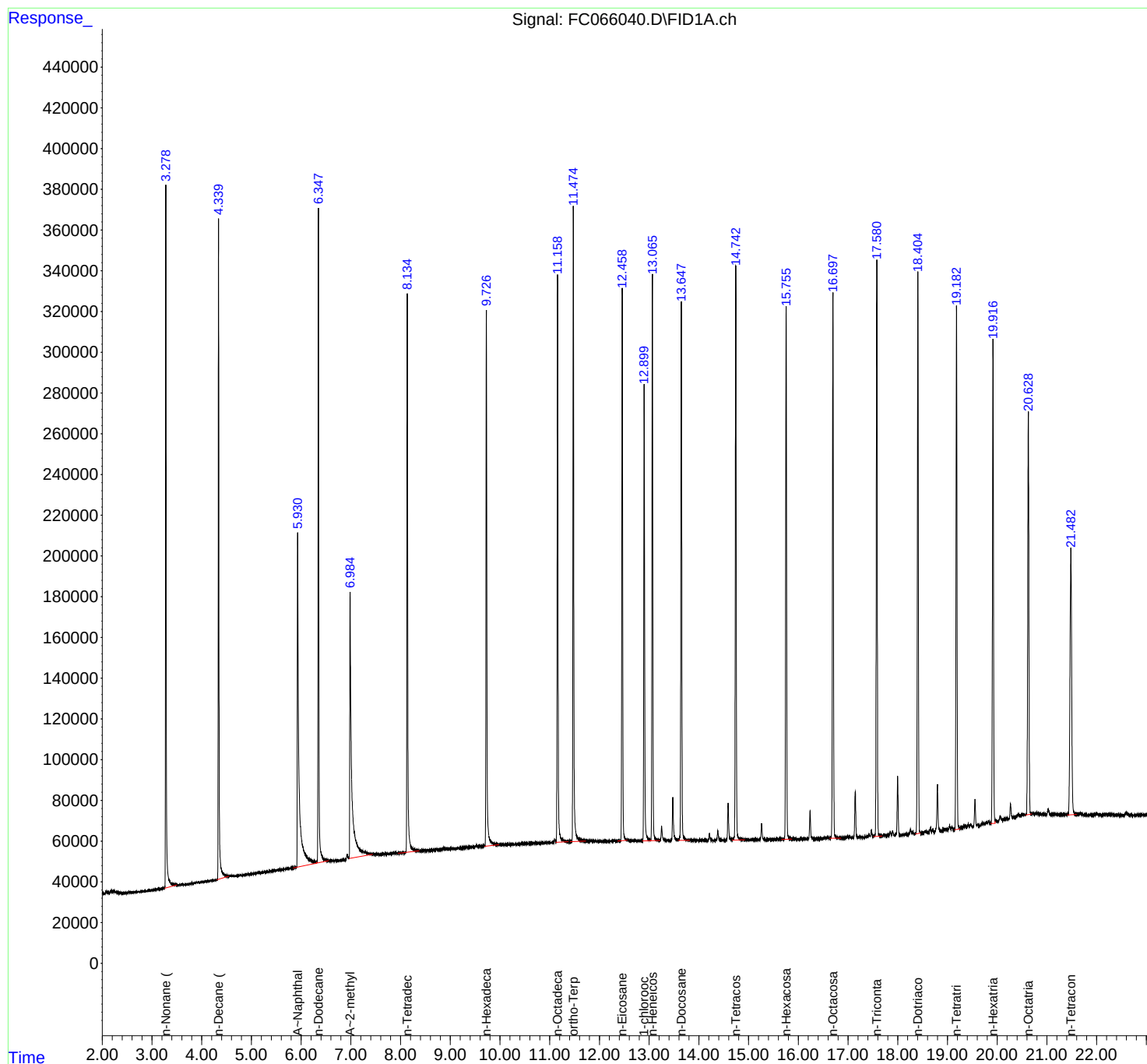
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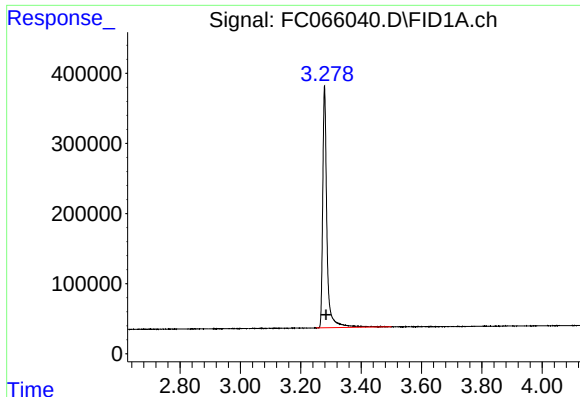
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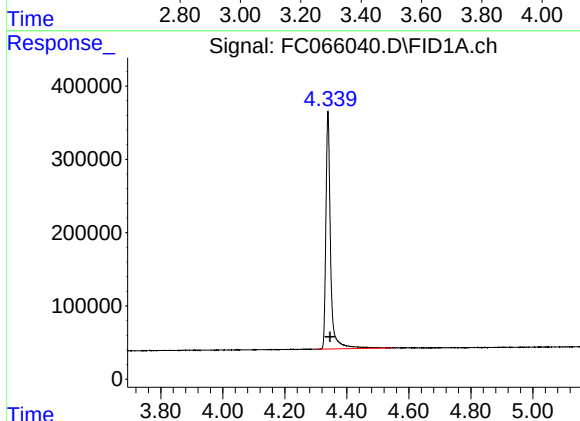
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.005 min
Response: 3339462
Conc: 19.99 ug/ml

Instrument :
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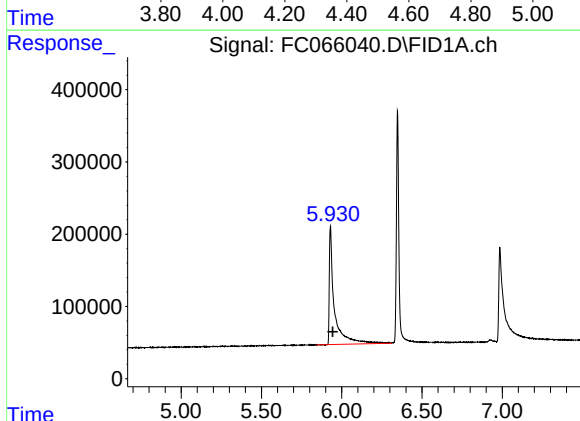
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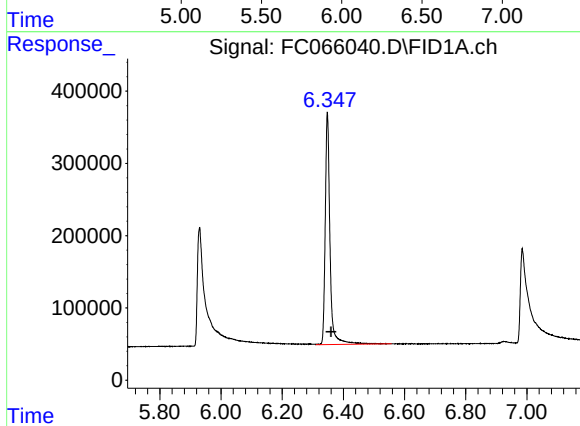
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: -0.007 min
Response: 3387877
Conc: 19.53 ug/ml



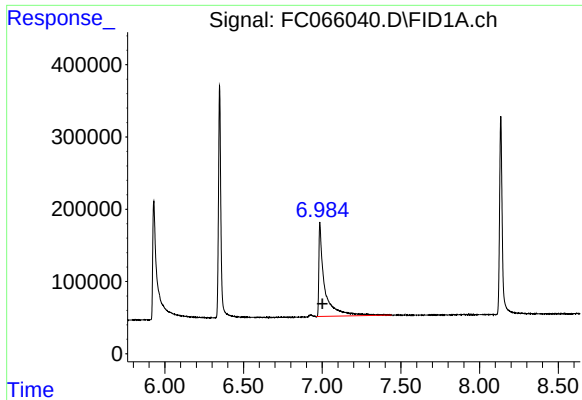
#3 A~Naphthalene (C11.7)

R.T.: 5.930 min
Delta R.T.: -0.015 min
Response: 3644100
Conc: 20.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.348 min
Delta R.T.: -0.012 min
Response: 3462662
Conc: 19.65 ug/ml



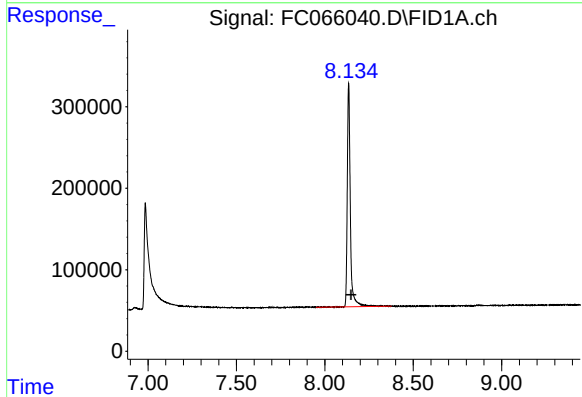
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.986 min
Delta R.T.: -0.017 min
Response: 3329448
Conc: 19.55 ug/ml

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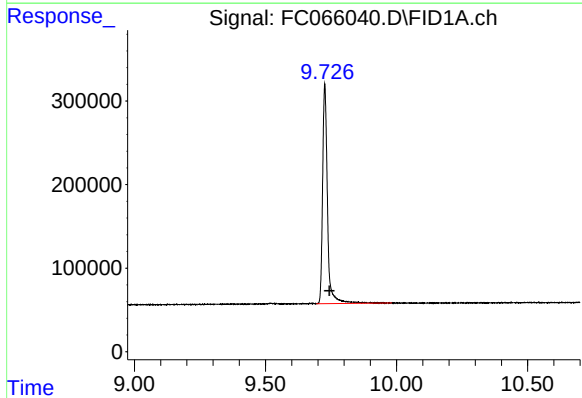
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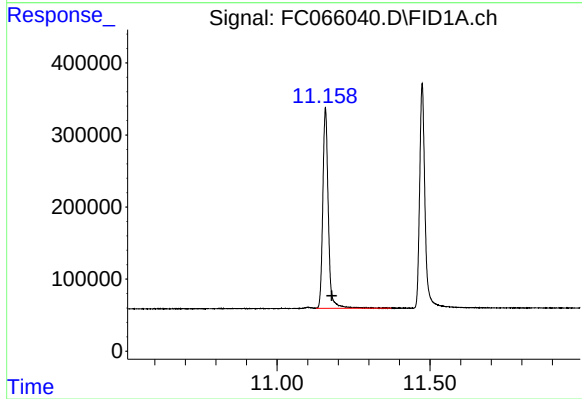
#6 n-Tetradecane (C14)

R.T.: 8.135 min
Delta R.T.: -0.014 min
Response: 3307889
Conc: 19.02 ug/ml



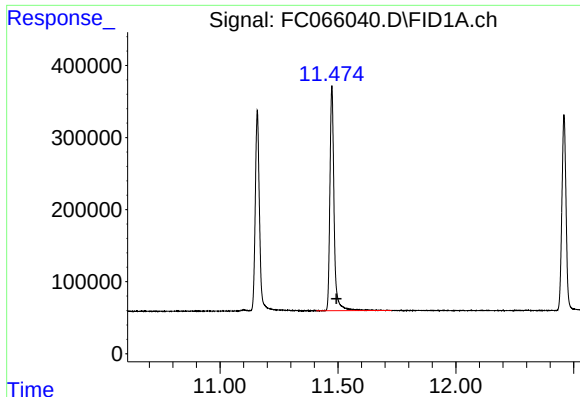
#7 n-Hexadecane (C16)

R.T.: 9.726 min
Delta R.T.: -0.018 min
Response: 3397778
Conc: 19.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.158 min
Delta R.T.: -0.021 min
Response: 3470140
Conc: 19.09 ug/ml



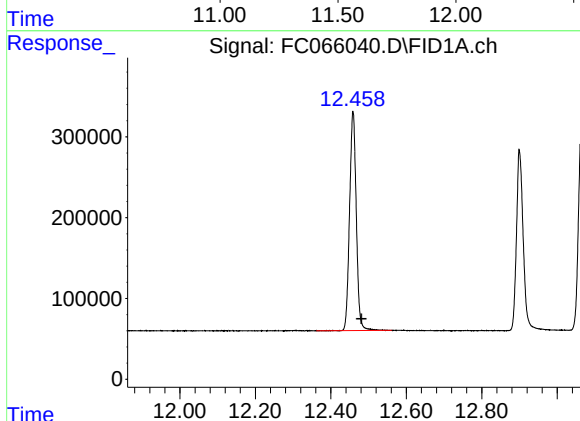
#9 ortho-Terphenyl (SURR)

R.T.: 11.474 min
Delta R.T.: -0.019 min
Response: 3826448
Conc: 19.58 ug/ml

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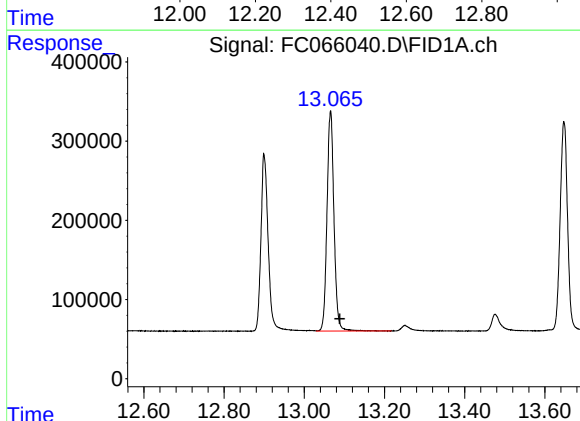
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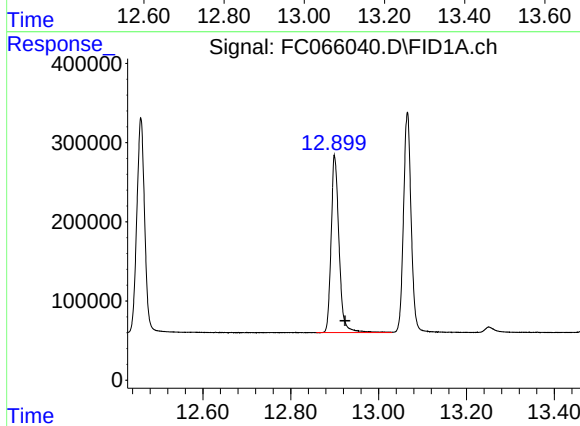
#10 n-Eicosane (C20)

R.T.: 12.459 min
Delta R.T.: -0.022 min
Response: 3344658
Conc: 19.15 ug/ml



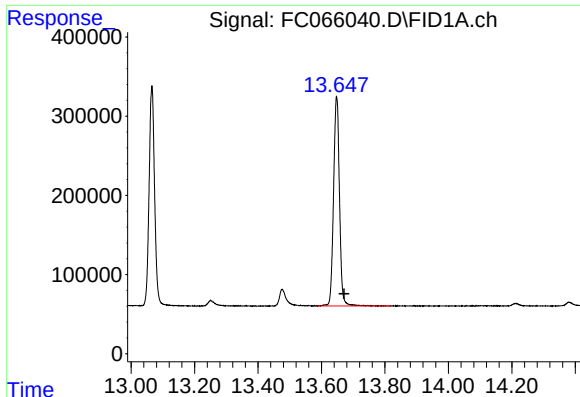
#11 n-Heneicosane (C21)

R.T.: 13.065 min
Delta R.T.: -0.023 min
Response: 3360521
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.900 min
Delta R.T.: -0.023 min
Response: 2807536
Conc: 19.26 ug/ml



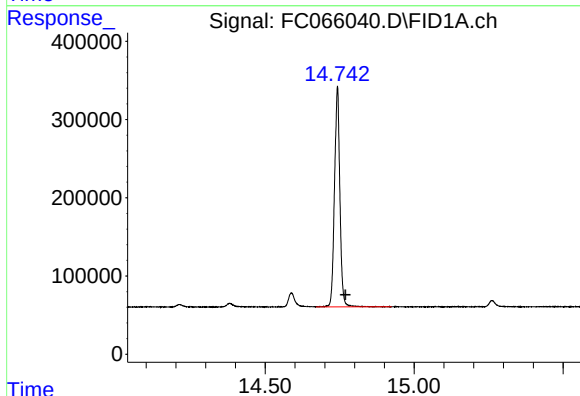
#13 n-Docosane (C22)

R.T.: 13.648 min
Delta R.T.: -0.024 min
Response: 3429709
Conc: 19.94 ug/ml

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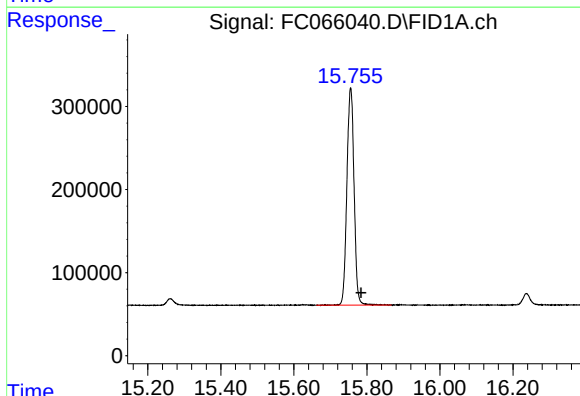
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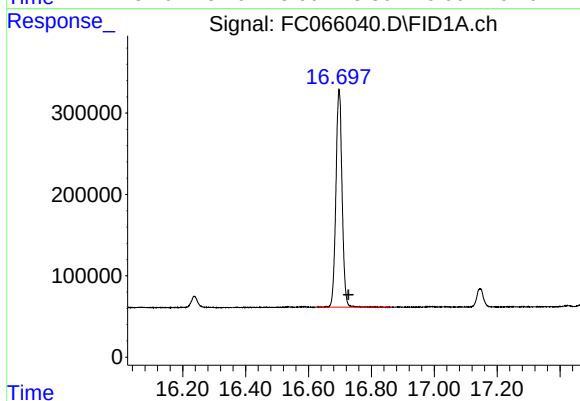
#14 n-Tetracosane (C24)

R.T.: 14.742 min
Delta R.T.: -0.027 min
Response: 3527514
Conc: 20.65 ug/ml



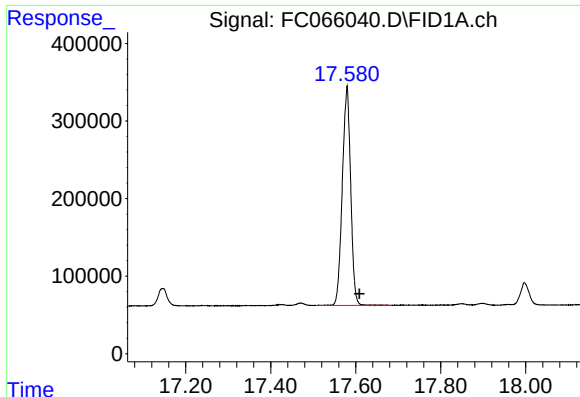
#15 n-Hexacosane (C26)

R.T.: 15.756 min
Delta R.T.: -0.029 min
Response: 3560952
Conc: 21.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.697 min
Delta R.T.: -0.030 min
Response: 3656217
Conc: 21.99 ug/ml



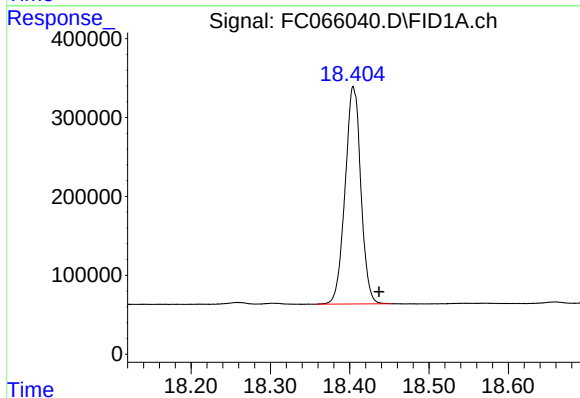
#17 n-Tricontane (C30)

R.T.: 17.579 min
Delta R.T.: -0.029 min
Response: 3857547
Conc: 22.59 ug/ml

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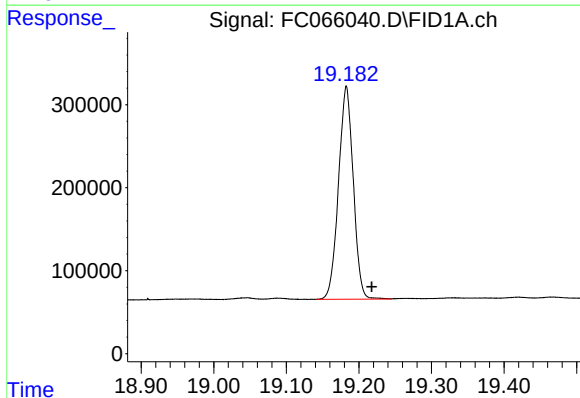
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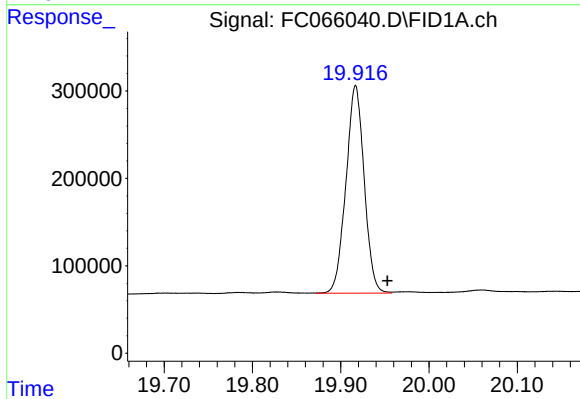
#18 n-Dotriacontane (C32)

R.T.: 18.404 min
Delta R.T.: -0.033 min
Response: 3811570
Conc: 22.61 ug/ml m



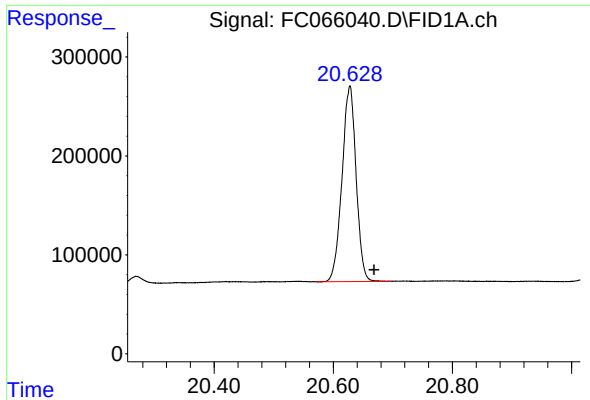
#19 n-Tetratriacontane (C34)

R.T.: 19.183 min
Delta R.T.: -0.035 min
Response: 3625865
Conc: 22.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.916 min
Delta R.T.: -0.036 min
Response: 3410871
Conc: 21.45 ug/ml m



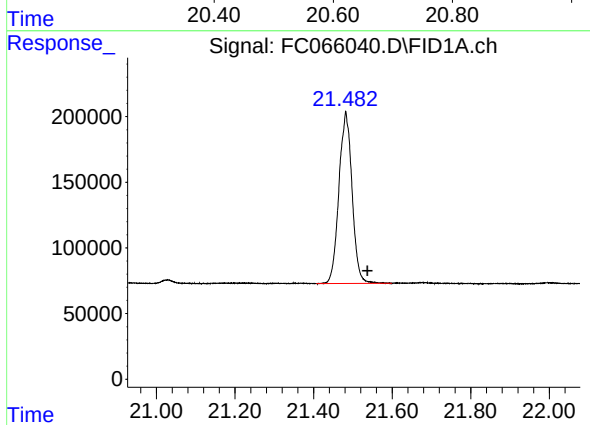
#21 n-Octatriacontane (C38)

R.T.: 20.627 min
Delta R.T.: -0.041 min
Response: 3249824
Conc: 20.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.482 min
Delta R.T.: -0.055 min
Response: 3023244
Conc: 19.12 ug/ml