

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062124AL\
 Data File : FC066673.D
 Signal(s) : FID1A.ch
 Acq On : 21 Jun 2024 21:10
 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 06/24/2024
 Supervised By :Ankita Jodhani 06/24/2024

Integration File: autoint1.e
 Quant Time: Jun 22 02:59:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061724.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 17 13:44:39 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)	11.530	3220127	18.669 ug/ml
Spiked Amount 50.000		Recovery =	37.34%
12) S 1-chlorooctadecane (S...	12.968	2539427	18.404 ug/ml
Spiked Amount 50.000		Recovery =	36.81%
Target Compounds			
1) T n-Nonane (C9)	3.293	2615508	18.001 ug/ml
2) T n-Decane (C10)	4.360	2778029	18.624 ug/ml
3) T A~Naphthalene (C11.7)	5.941	3034771	18.691 ug/ml
4) T n-Dodecane (C12)	6.378	2840571	18.743 ug/ml
5) T A~2-methylnaphthalene...	6.998	2965378	18.666 ug/ml
6) T n-Tetradecane (C14)	8.174	2872941	18.940 ug/ml
7) T n-Hexadecane (C16)	9.775	3054460	19.068 ug/ml
8) T n-Octadecane (C18)	11.217	3142591	18.940 ug/ml
10) T n-Eicosane (C20)	12.525	3062972	18.841 ug/ml
11) T n-Heneicosane (C21)	13.137	3014718	18.711 ug/ml
13) T n-Docosane (C22)	13.723	3031987	18.912 ug/ml
14) T n-Tetracosane (C24)	14.826	3053651	19.241 ug/ml
15) T n-Hexacosane (C26)	15.846	2973206	19.472 ug/ml
16) T n-Octacosane (C28)	16.796	2980630	20.663 ug/ml
17) T n-Tricontane (C30)	17.683	3110740	22.265 ug/ml
18) T n-Dotriacontane (C32)	18.515	3057541	23.168 ug/ml
19) T n-Tetratriacontane (C34)	19.299	2792797	22.582 ug/ml
20) T n-Hexatriacontane (C36)	20.038	2517617	20.890 ug/ml
21) T n-Octatriacontane (C38)	20.768	2398156	20.972 ug/ml
22) T n-Tetracontane (C40)	21.663	2300367	20.482 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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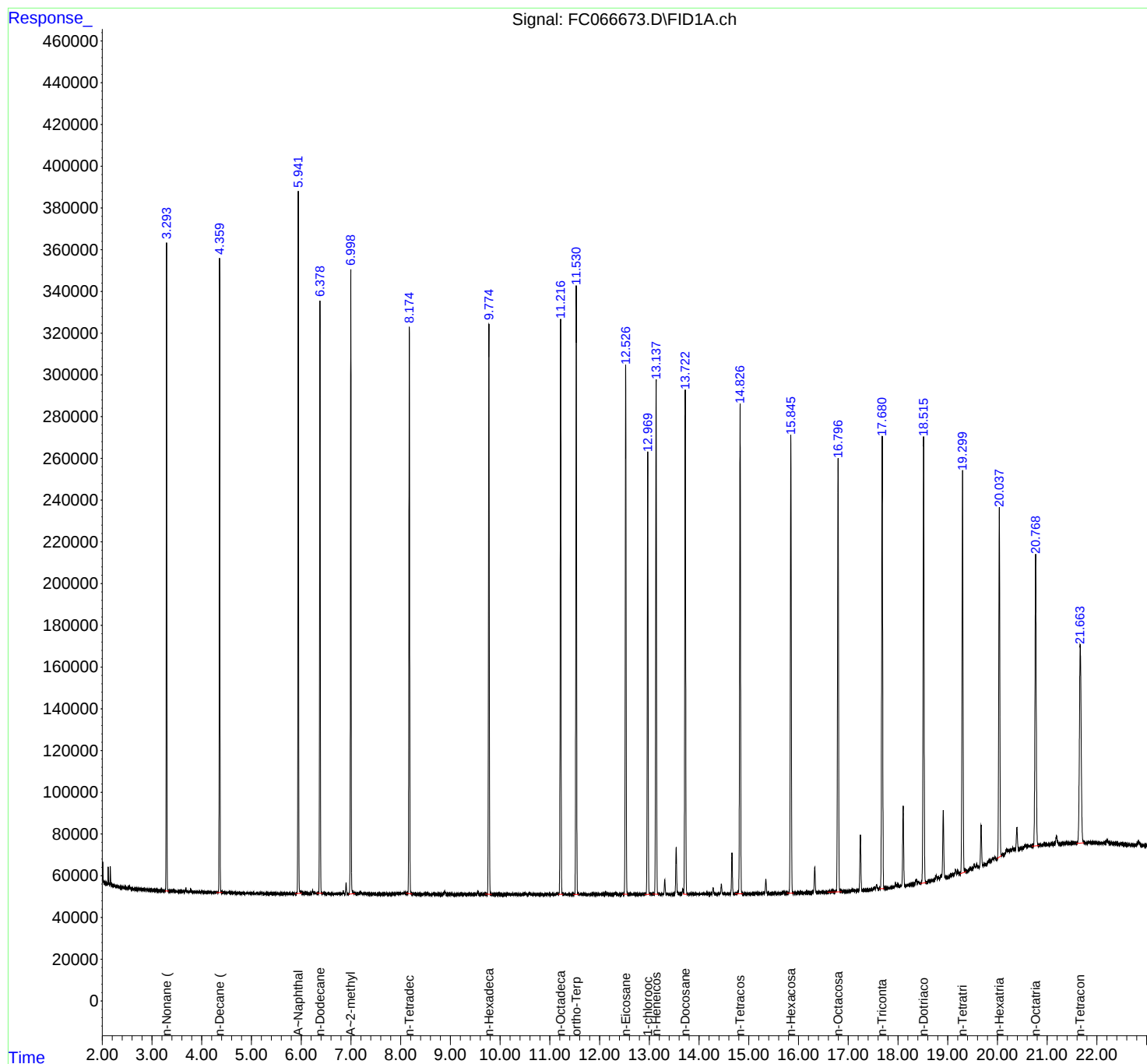
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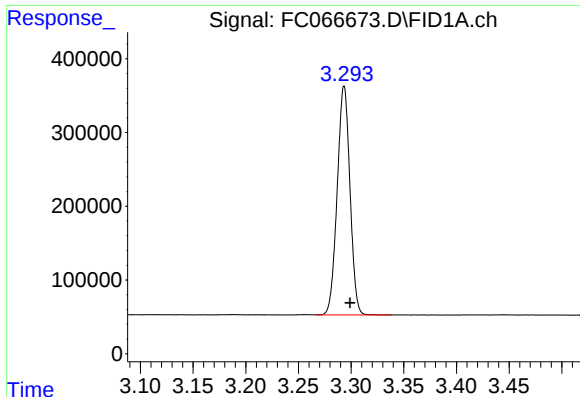
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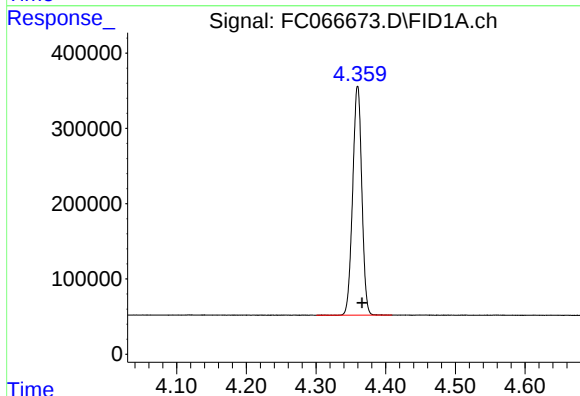
#1 n-Nonane (C9)

R.T.: 3.293 min
Delta R.T.: -0.006 min
Response: 2615508
Conc: 18.00 ug/ml

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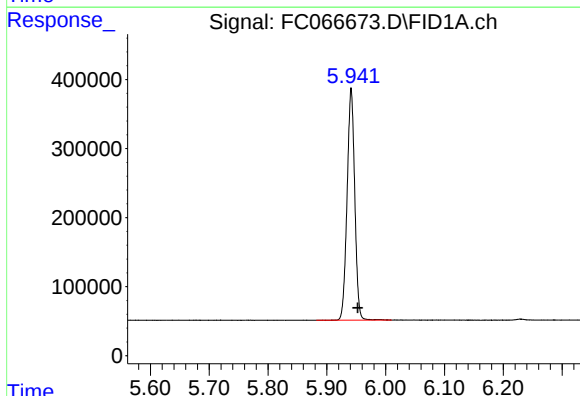
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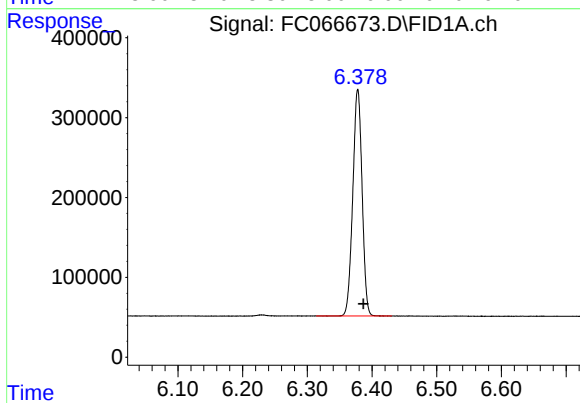
#2 n-Decane (C10)

R.T.: 4.360 min
Delta R.T.: -0.006 min
Response: 2778029
Conc: 18.62 ug/ml



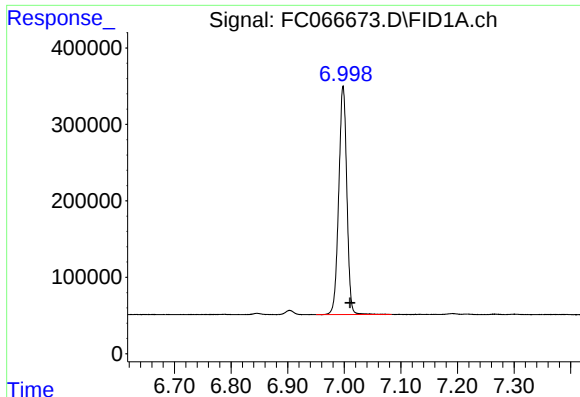
#3 A~Naphthalene (C11.7)

R.T.: 5.941 min
Delta R.T.: -0.011 min
Response: 3034771
Conc: 18.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.378 min
Delta R.T.: -0.009 min
Response: 2840571
Conc: 18.74 ug/ml



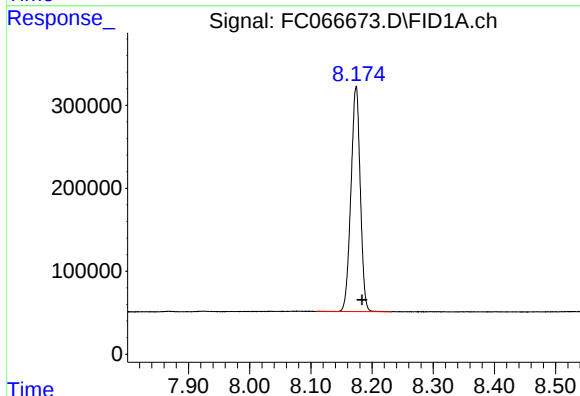
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.998 min
Delta R.T.: -0.012 min
Response: 2965378
Conc: 18.67 ug/ml

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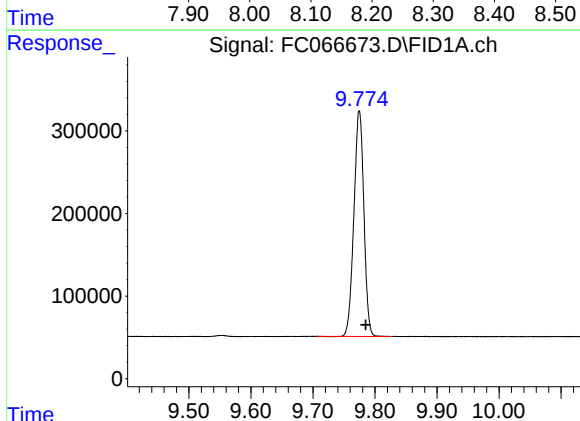
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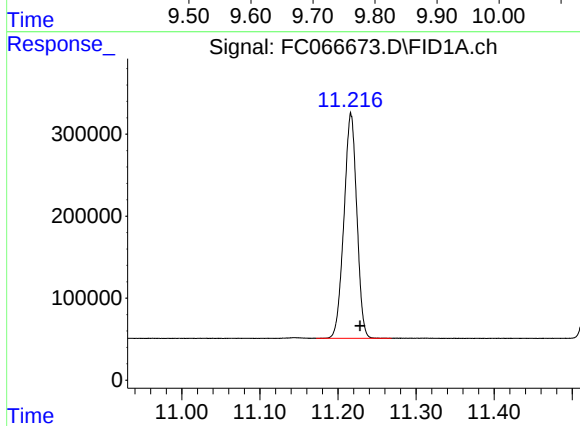
#6 n-Tetradecane (C14)

R.T.: 8.174 min
Delta R.T.: -0.010 min
Response: 2872941
Conc: 18.94 ug/ml



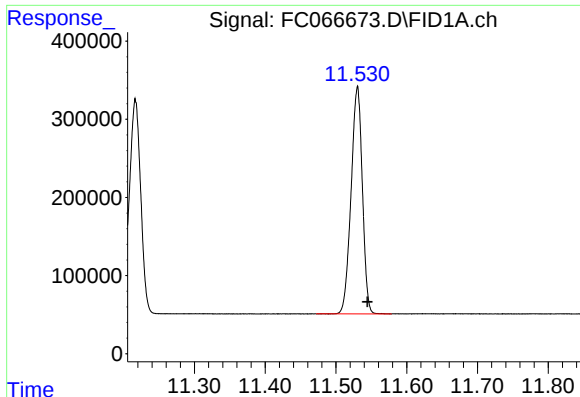
#7 n-Hexadecane (C16)

R.T.: 9.775 min
Delta R.T.: -0.011 min
Response: 3054460
Conc: 19.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.217 min
Delta R.T.: -0.012 min
Response: 3142591
Conc: 18.94 ug/ml



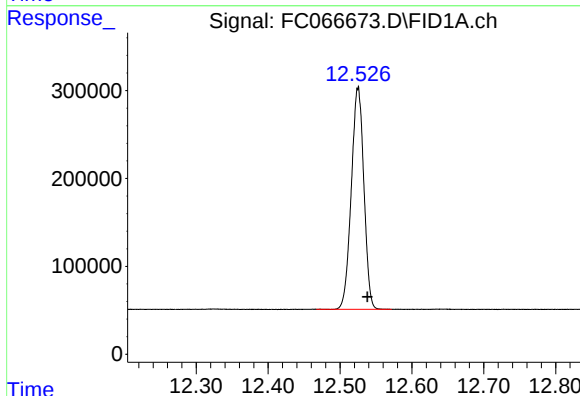
#9 ortho-Terphenyl (SURR)

R.T.: 11.530 min
Delta R.T.: -0.014 min
Response: 3220127
Conc: 18.67 ug/ml

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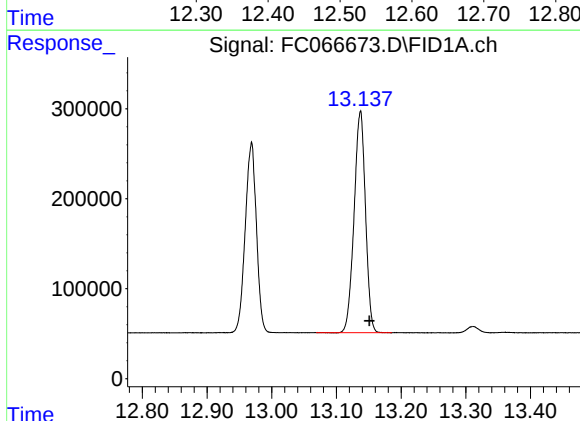
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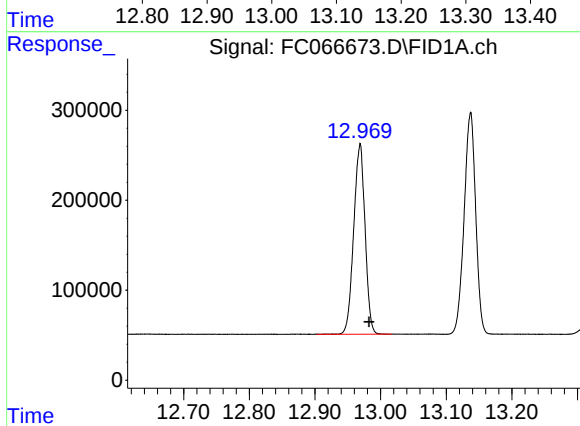
#10 n-Eicosane (C20)

R.T.: 12.525 min
Delta R.T.: -0.013 min
Response: 3062972
Conc: 18.84 ug/ml



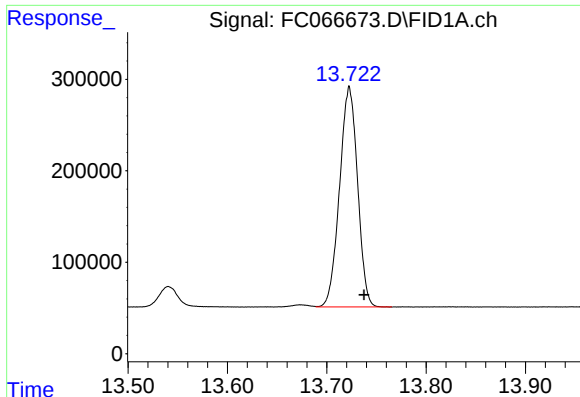
#11 n-Heneicosane (C21)

R.T.: 13.137 min
Delta R.T.: -0.014 min
Response: 3014718
Conc: 18.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.968 min
Delta R.T.: -0.014 min
Response: 2539427
Conc: 18.40 ug/ml



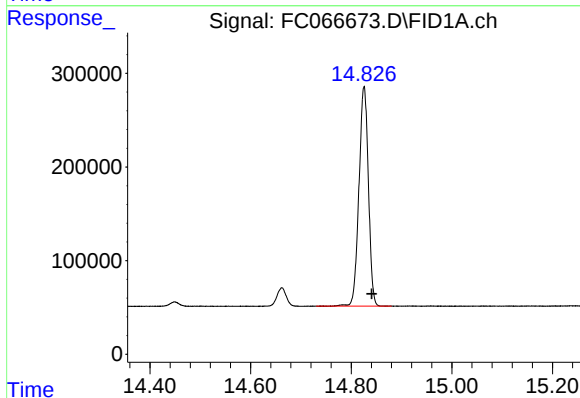
#13 n-Docosane (C22)

R.T.: 13.723 min
Delta R.T.: -0.015 min
Response: 3031987
Conc: 18.91 ug/ml

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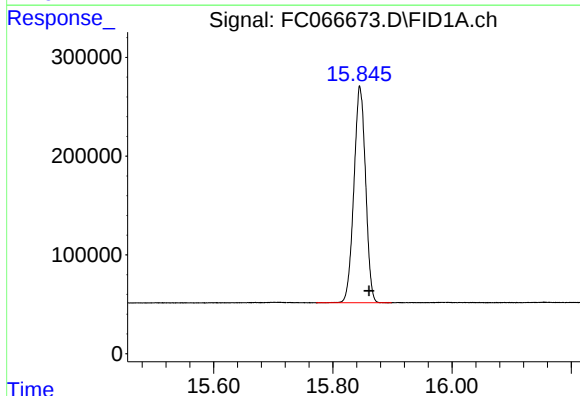
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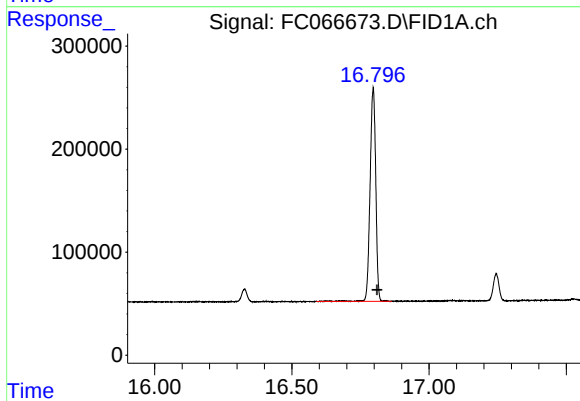
#14 n-Tetracosane (C24)

R.T.: 14.826 min
Delta R.T.: -0.015 min
Response: 3053651
Conc: 19.24 ug/ml



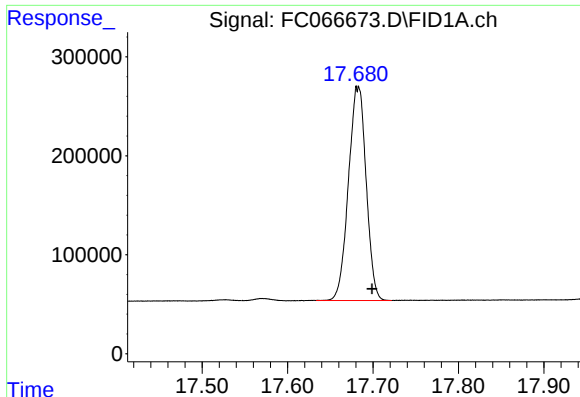
#15 n-Hexacosane (C26)

R.T.: 15.846 min
Delta R.T.: -0.015 min
Response: 2973206
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.796 min
Delta R.T.: -0.014 min
Response: 2980630
Conc: 20.66 ug/ml



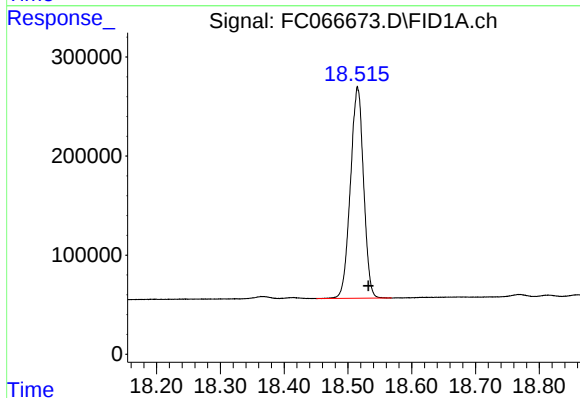
#17 n-Tricontane (C30)

R.T.: 17.683 min
Delta R.T.: -0.016 min
Response: 3110740
Conc: 22.27 ug/ml

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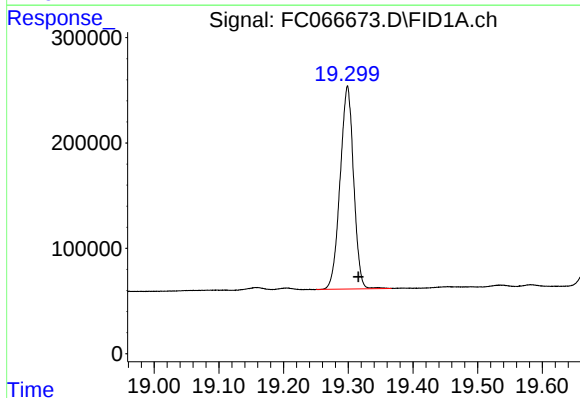
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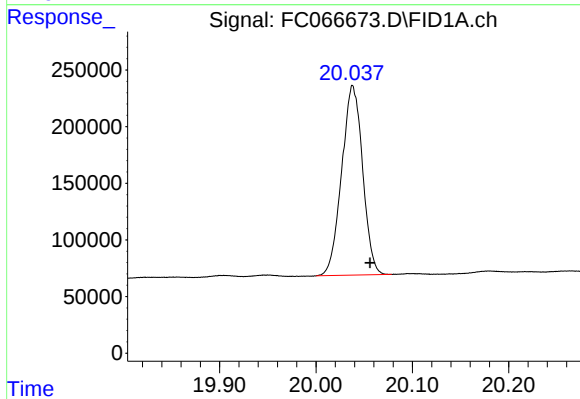
#18 n-Dotriacontane (C32)

R.T.: 18.515 min
Delta R.T.: -0.017 min
Response: 3057541
Conc: 23.17 ug/ml



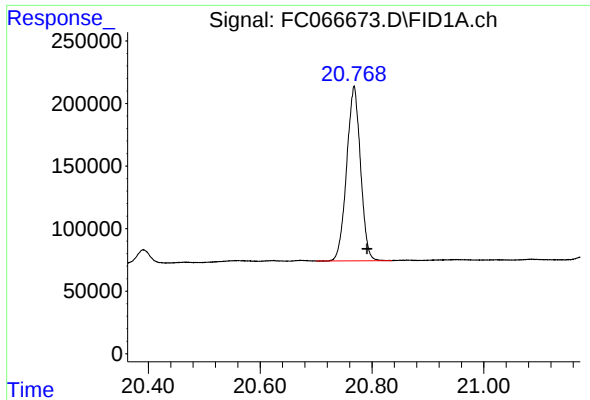
#19 n-Tetratriacontane (C34)

R.T.: 19.299 min
Delta R.T.: -0.017 min
Response: 2792797
Conc: 22.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.038 min
Delta R.T.: -0.018 min
Response: 2517617
Conc: 20.89 ug/ml



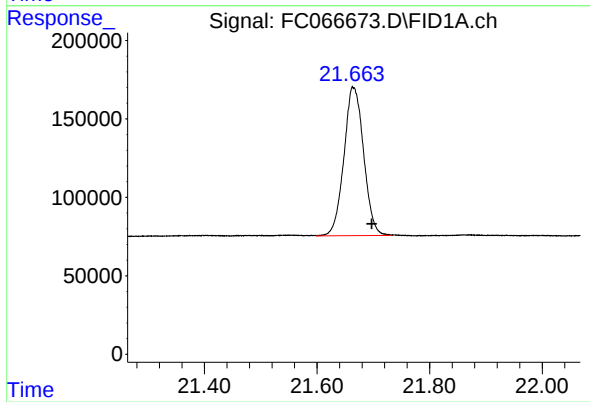
#21 n-Octatriacontane (C38)

R.T.: 20.768 min
Delta R.T.: -0.023 min
Response: 2398156
Conc: 20.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.663 min
Delta R.T.: -0.035 min
Response: 2300367
Conc: 20.48 ug/ml m