

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070224AL\
 Data File : FC066716.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2024 13:09
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2024
 Supervised By :Ankita Jodhani 07/03/2024

Integration File: autoint1.e
 Quant Time: Jul 03 03:00:53 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)	11.526	3082109	17.869 ug/ml
Spiked Amount 50.000		Recovery =	35.74%
12) S 1-chlorooctadecane (S...	12.964	2357121	17.083 ug/ml
Spiked Amount 50.000		Recovery =	34.17%
Target Compounds			
1) T n-Nonane (C9)	3.289	2742719	18.877 ug/ml
2) T n-Decane (C10)	4.356	2888932	19.368 ug/ml
3) T A~Naphthalene (C11.7)	5.938	3128537	19.269 ug/ml
4) T n-Dodecane (C12)	6.375	2921102	19.274 ug/ml
5) T A~2-methylnaphthalene...	6.995	3024088	19.035 ug/ml
6) T n-Tetradecane (C14)	8.171	2909480	19.181 ug/ml
7) T n-Hexadecane (C16)	9.771	3036134	18.954 ug/ml
8) T n-Octadecane (C18)	11.212	3051899	18.393 ug/ml
10) T n-Eicosane (C20)	12.522	2892177	17.791 ug/ml
11) T n-Heneicosane (C21)	13.133	2810031	17.440 ug/ml
13) T n-Docosane (C22)	13.718	2782090	17.353 ug/ml
14) T n-Tetracosane (C24)	14.820	2751916	17.339 ug/ml
15) T n-Hexacosane (C26)	15.841	2664103	17.447 ug/ml
16) T n-Octacosane (C28)	16.790	2666585	18.486 ug/ml
17) T n-Tricontane (C30)	17.679	2843910	20.355 ug/ml
18) T n-Dotriacontane (C32)	18.511	2838551	21.509 ug/ml
19) T n-Tetratriacontane (C34)	19.293	2653888	21.459 ug/ml
20) T n-Hexatriacontane (C36)	20.034	2435121	20.205 ug/mlm
21) T n-Octatriacontane (C38)	20.761	2312956	20.227 ug/ml
22) T n-Tetracontane (C40)	21.661	2202933	19.615 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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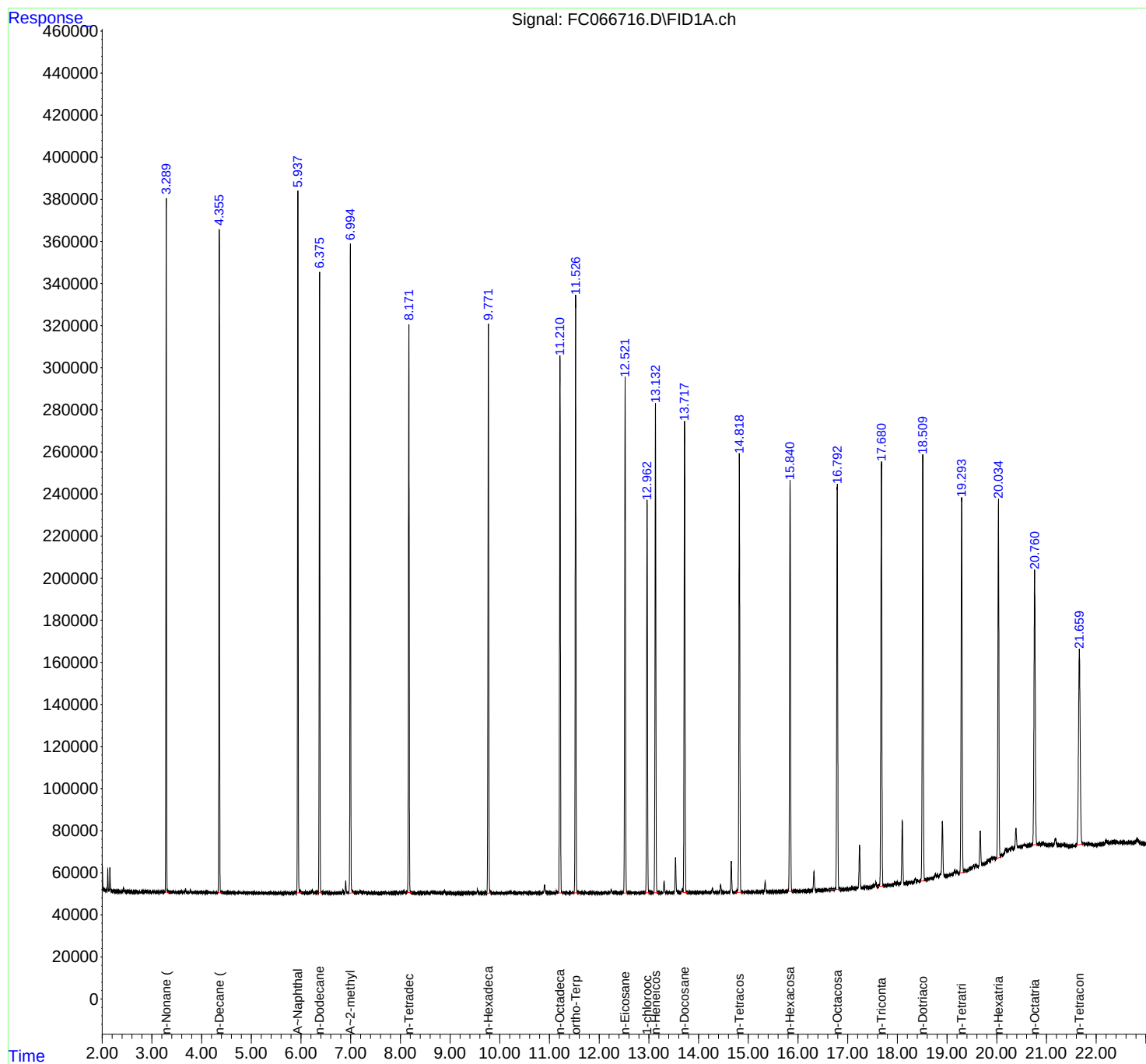
Instrument :
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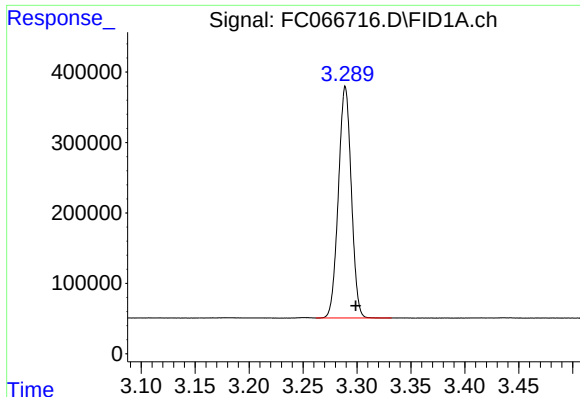
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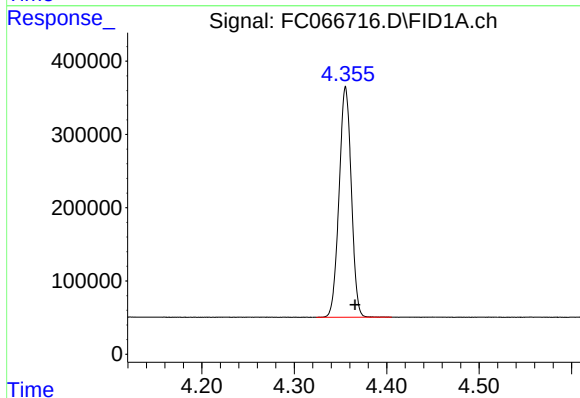
#1 n-Nonane (C9)

R.T.: 3.289 min
Delta R.T.: -0.010 min
Response: 2742719
Conc: 18.88 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

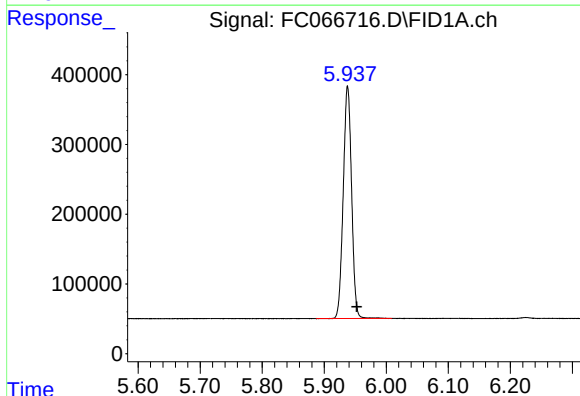
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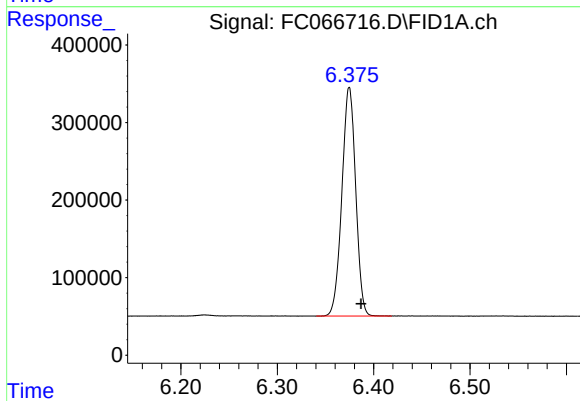
#2 n-Decane (C10)

R.T.: 4.356 min
Delta R.T.: -0.010 min
Response: 2888932
Conc: 19.37 ug/ml



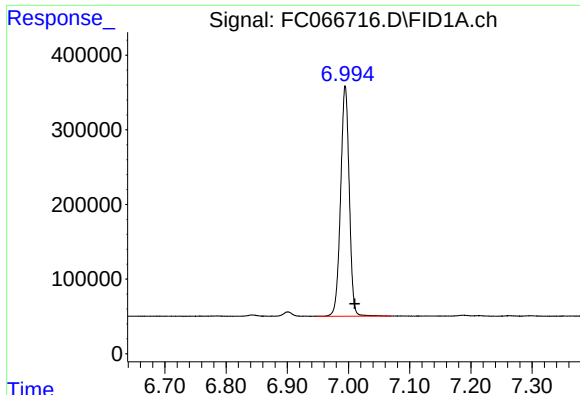
#3 A~Naphthalene (C11.7)

R.T.: 5.938 min
Delta R.T.: -0.015 min
Response: 3128537
Conc: 19.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.375 min
Delta R.T.: -0.012 min
Response: 2921102
Conc: 19.27 ug/ml



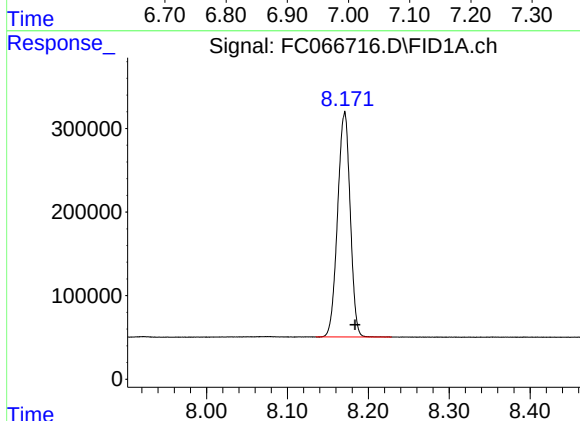
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.995 min
Delta R.T.: -0.015 min
Response: 3024088
Conc: 19.04 ug/ml

Instrument :
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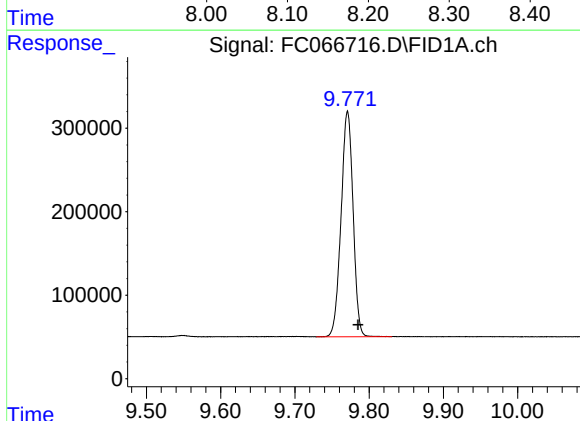
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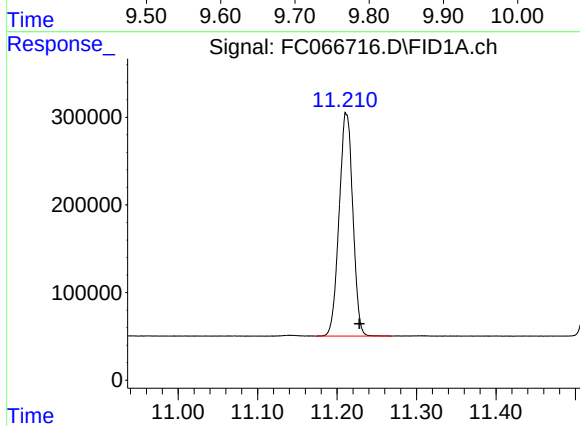
#6 n-Tetradecane (C14)

R.T.: 8.171 min
Delta R.T.: -0.013 min
Response: 2909480
Conc: 19.18 ug/ml



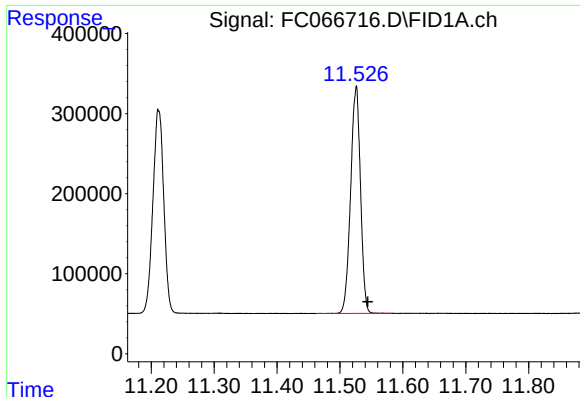
#7 n-Hexadecane (C16)

R.T.: 9.771 min
Delta R.T.: -0.014 min
Response: 3036134
Conc: 18.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.212 min
Delta R.T.: -0.016 min
Response: 3051899
Conc: 18.39 ug/ml



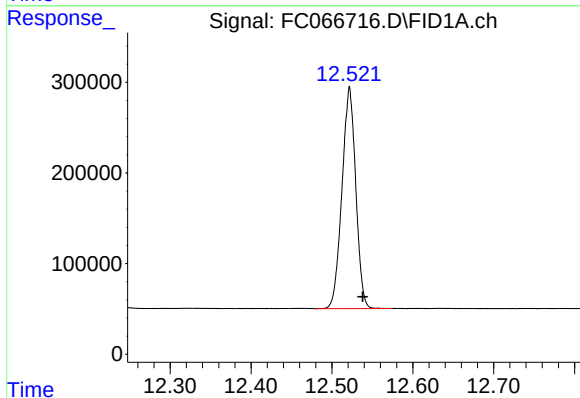
#9 ortho-Terphenyl (SURR)

R.T.: 11.526 min
Delta R.T.: -0.019 min
Response: 3082109
Conc: 17.87 ug/ml

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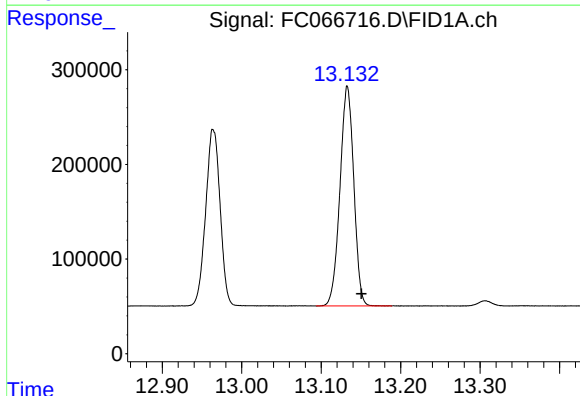
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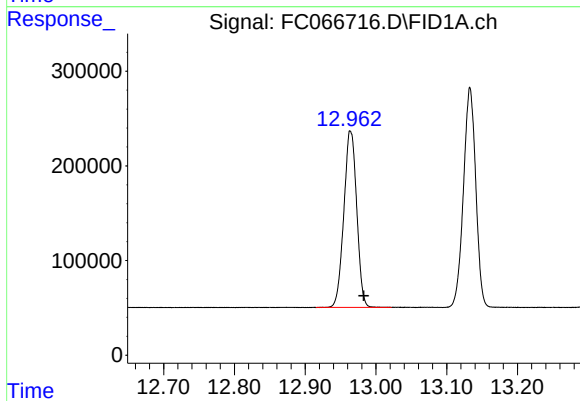
#10 n-Eicosane (C20)

R.T.: 12.522 min
Delta R.T.: -0.016 min
Response: 2892177
Conc: 17.79 ug/ml



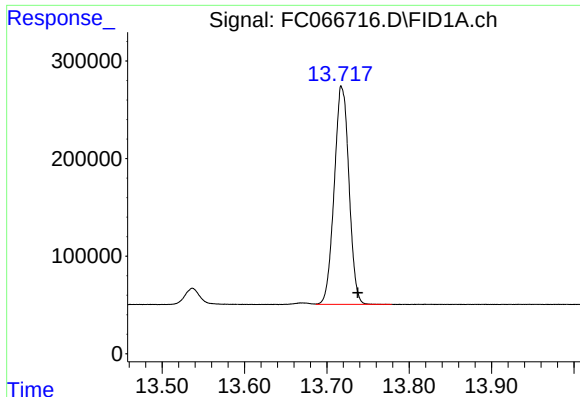
#11 n-Heneicosane (C21)

R.T.: 13.133 min
Delta R.T.: -0.018 min
Response: 2810031
Conc: 17.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.964 min
Delta R.T.: -0.018 min
Response: 2357121
Conc: 17.08 ug/ml



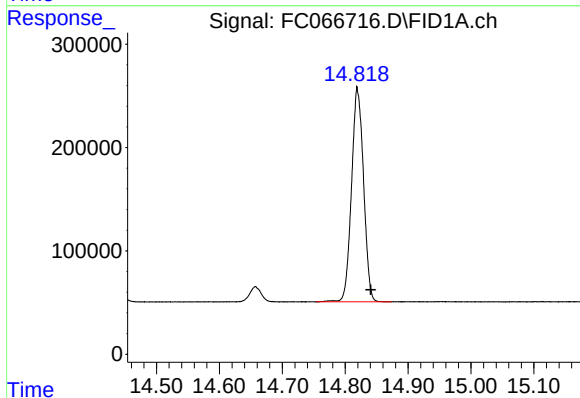
#13 n-Docosane (C22)

R.T.: 13.718 min
Delta R.T.: -0.019 min
Response: 2782090
Conc: 17.35 ug/ml

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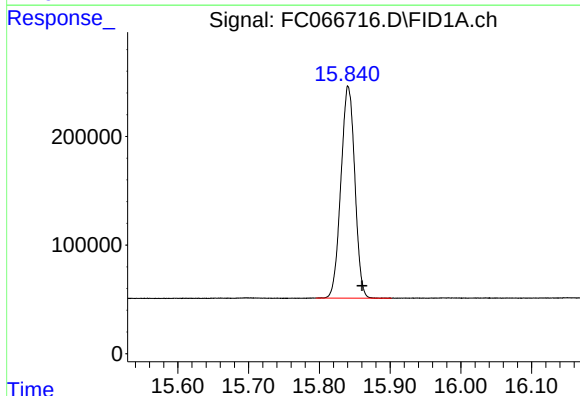
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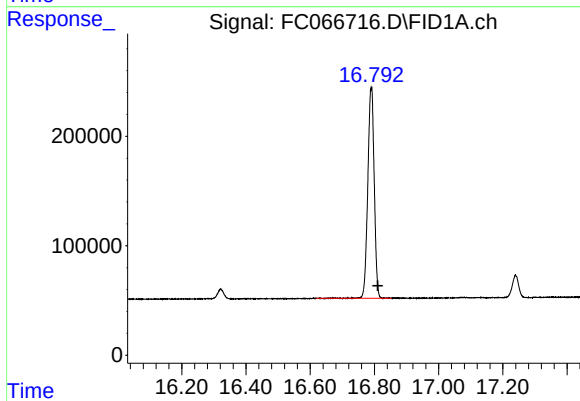
#14 n-Tetracosane (C24)

R.T.: 14.820 min
Delta R.T.: -0.021 min
Response: 2751916
Conc: 17.34 ug/ml



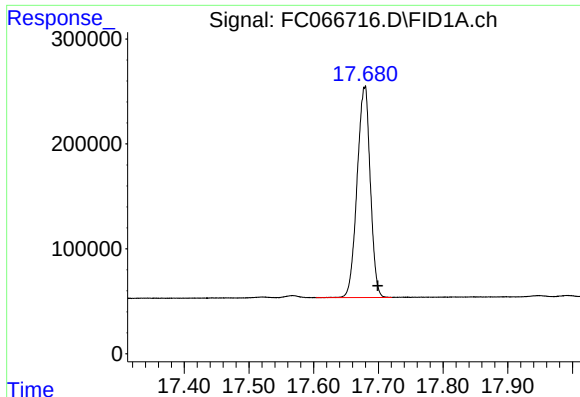
#15 n-Hexacosane (C26)

R.T.: 15.841 min
Delta R.T.: -0.020 min
Response: 2664103
Conc: 17.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.790 min
Delta R.T.: -0.020 min
Response: 2666585
Conc: 18.49 ug/ml



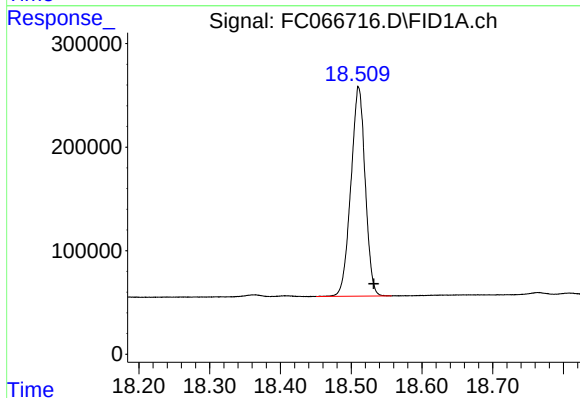
#17 n-Tricontane (C30)

R.T.: 17.679 min
Delta R.T.: -0.021 min
Response: 2843910
Conc: 20.36 ug/ml

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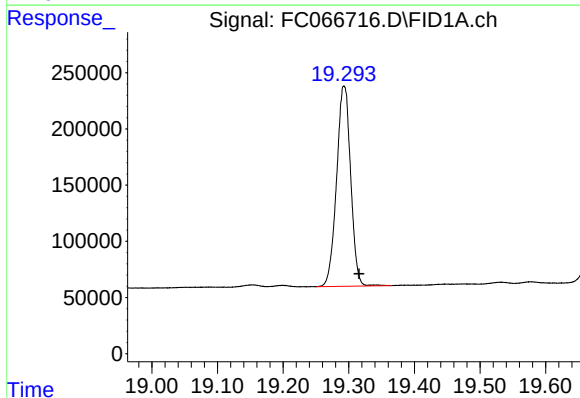
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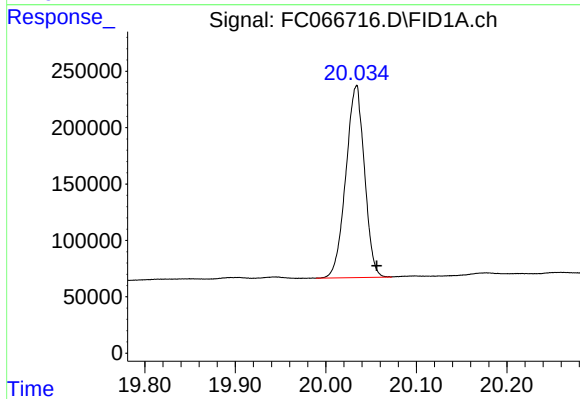
#18 n-Dotriacontane (C32)

R.T.: 18.511 min
Delta R.T.: -0.021 min
Response: 2838551
Conc: 21.51 ug/ml



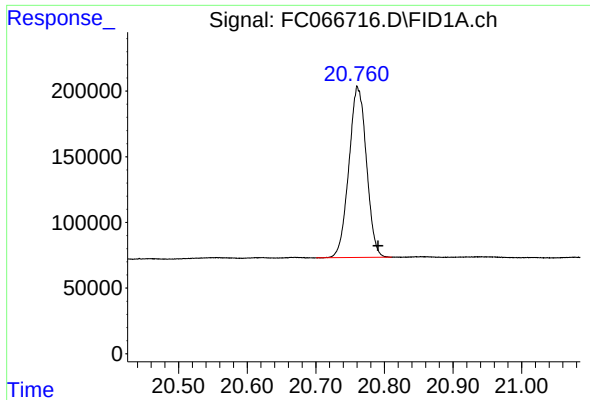
#19 n-Tetratriacontane (C34)

R.T.: 19.293 min
Delta R.T.: -0.023 min
Response: 2653888
Conc: 21.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.034 min
Delta R.T.: -0.022 min
Response: 2435121
Conc: 20.21 ug/ml m



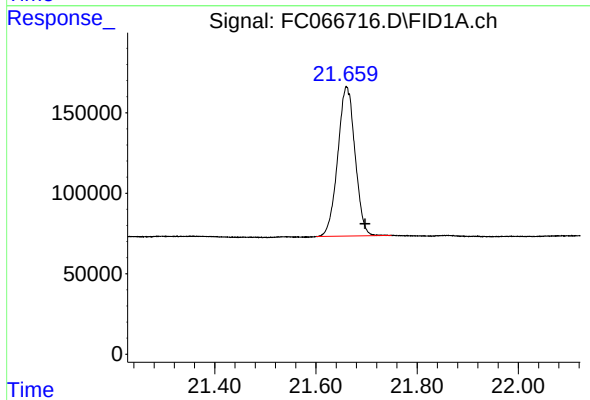
#21 n-Octatriacontane (C38)

R.T.: 20.761 min
Delta R.T.: -0.030 min
Response: 2312956
Conc: 20.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.661 min
Delta R.T.: -0.037 min
Response: 2202933
Conc: 19.61 ug/ml