

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051024AL\
 Data File : FC066395.D
 Signal(s) : FID1A.ch
 Acq On : 11 May 2024 13:54
 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 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 13 01:41:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 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)	11.559	2723993	16.476 ug/ml
Spiked Amount 50.000		Recovery =	32.95%
12) S 1-chlorooctadecane (S...	12.999	2025922	16.517 ug/ml
Spiked Amount 50.000		Recovery =	33.03%
Target Compounds			
1) T n-Nonane (C9)	3.314	2413214	15.978 ug/ml
2) T n-Decane (C10)	4.382	2481929	16.139 ug/ml
3) T A~Naphthalene (C11.7)	5.966	2745061	16.157 ug/ml
4) T n-Dodecane (C12)	6.404	2497094	16.248 ug/ml
5) T A~2-methylnaphthalene...	7.023	2666673	16.180 ug/ml
6) T n-Tetradecane (C14)	8.200	2466140	16.296 ug/ml
7) T n-Hexadecane (C16)	9.802	2530841	16.551 ug/ml
8) T n-Octadecane (C18)	11.245	2523787	16.627 ug/ml
10) T n-Eicosane (C20)	12.555	2402832	16.703 ug/ml
11) T n-Heneicosane (C21)	13.167	2347326	16.699 ug/ml
13) T n-Docosane (C22)	13.754	2334095	16.671 ug/ml
14) T n-Tetracosane (C24)	14.857	2325199	16.517 ug/ml
15) T n-Hexacosane (C26)	15.879	2271231	16.604 ug/ml
16) T n-Octacosane (C28)	16.830	2259010	16.868 ug/ml
17) T n-Tricontane (C30)	17.718	2328778	17.281 ug/ml
18) T n-Dotriacontane (C32)	18.551	2333600	18.124 ug/ml
19) T n-Tetratriacontane (C34)	19.336	2261214	19.112 ug/ml
20) T n-Hexatriacontane (C36)	20.074	2334141	20.307 ug/mlm
21) T n-Octatriacontane (C38)	20.813	2466284	22.913 ug/mlm
22) T n-Tetracontane (C40)	21.724	2485418	23.178 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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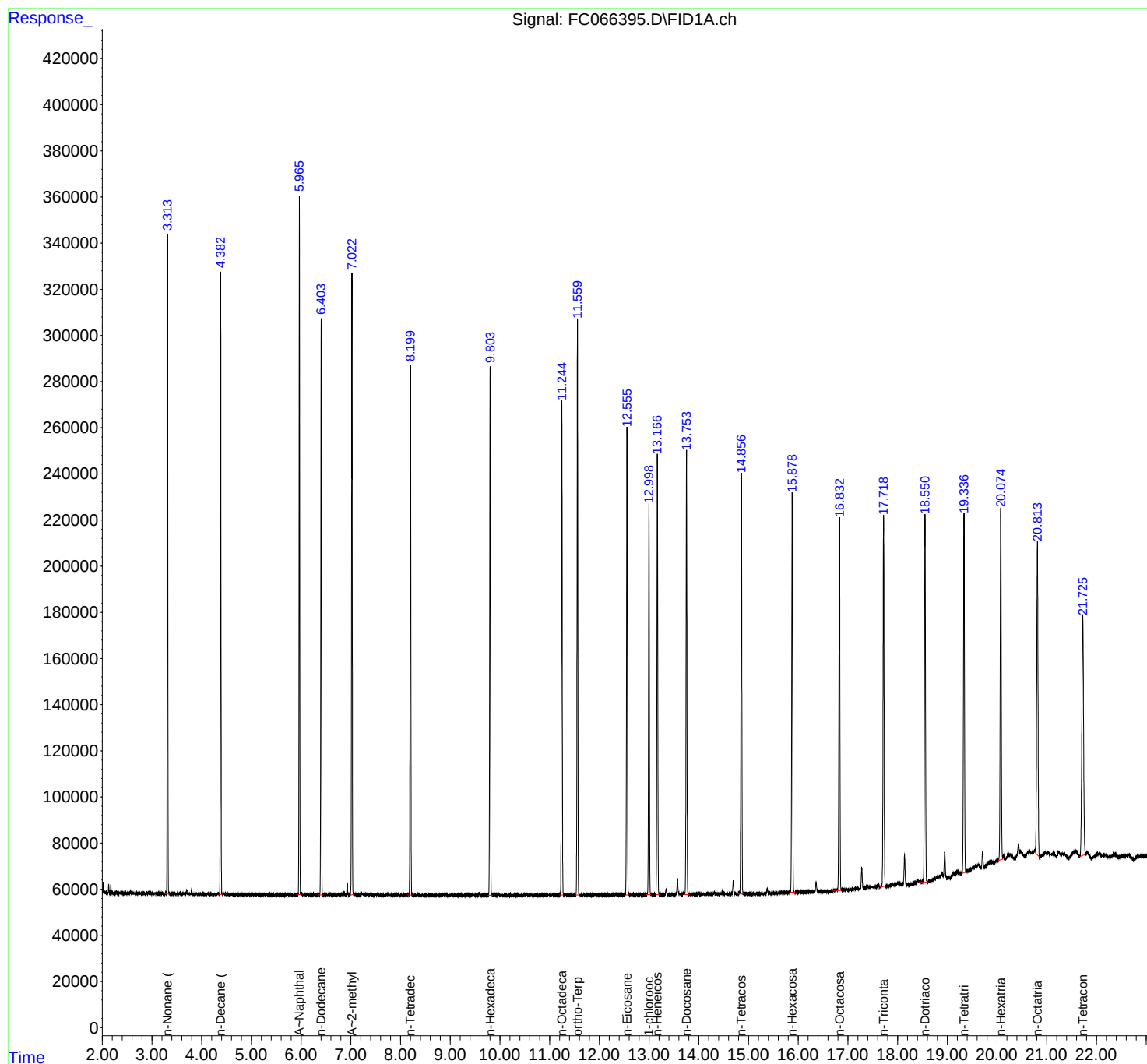
Instrument :
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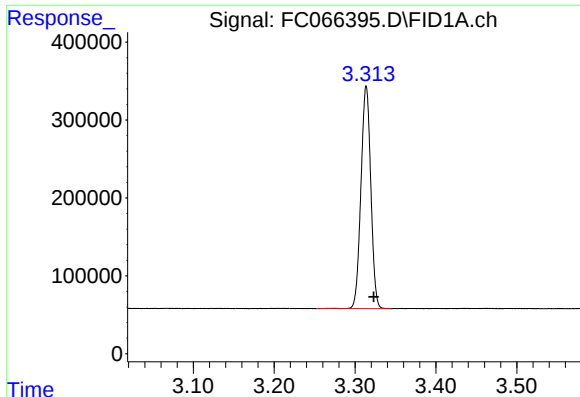
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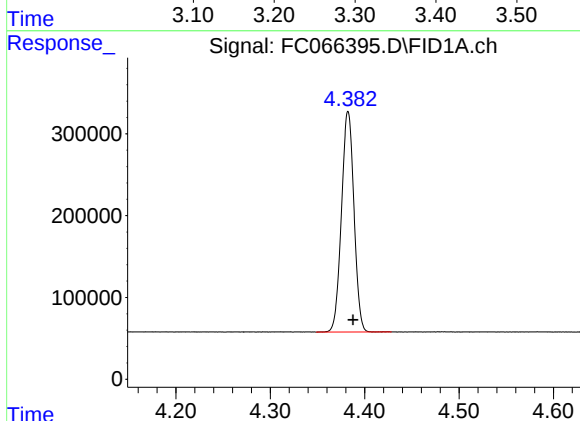
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: -0.009 min
Response: 2413214
Conc: 15.98 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

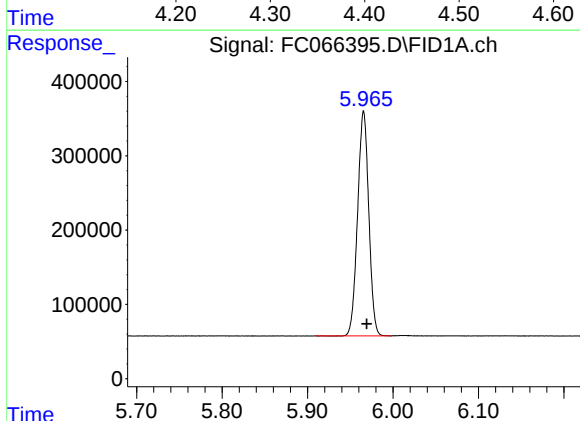
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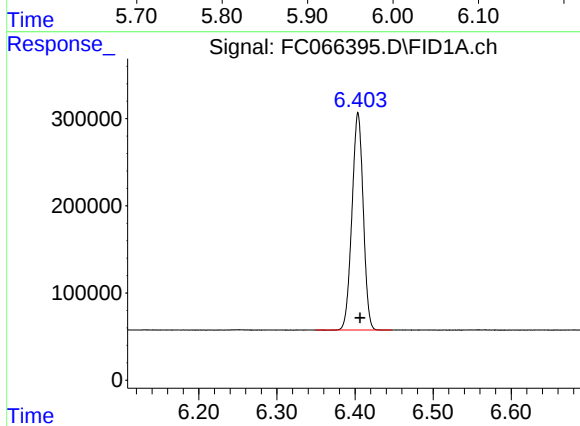
#2 n-Decane (C10)

R.T.: 4.382 min
Delta R.T.: -0.005 min
Response: 2481929
Conc: 16.14 ug/ml



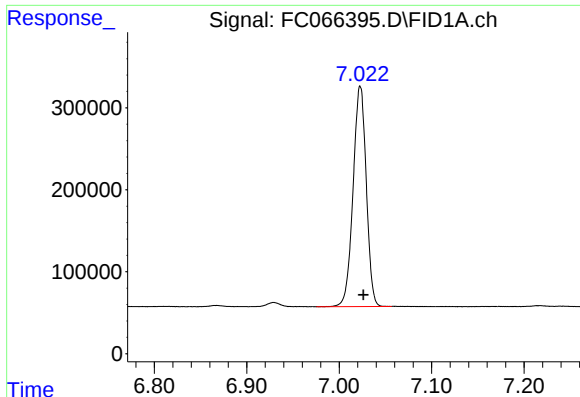
#3 A~Naphthalene (C11.7)

R.T.: 5.966 min
Delta R.T.: -0.004 min
Response: 2745061
Conc: 16.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 2497094
Conc: 16.25 ug/ml



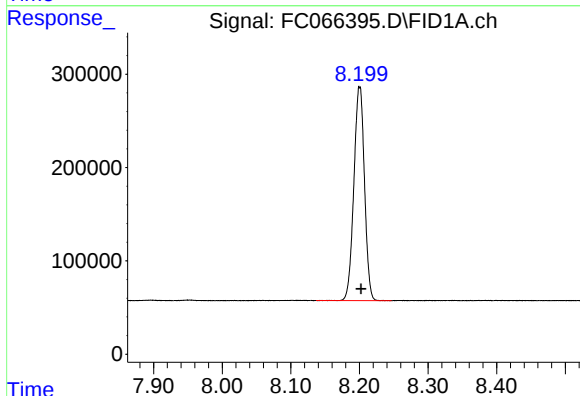
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.023 min
Delta R.T.: -0.004 min
Response: 2666673
Conc: 16.18 ug/ml

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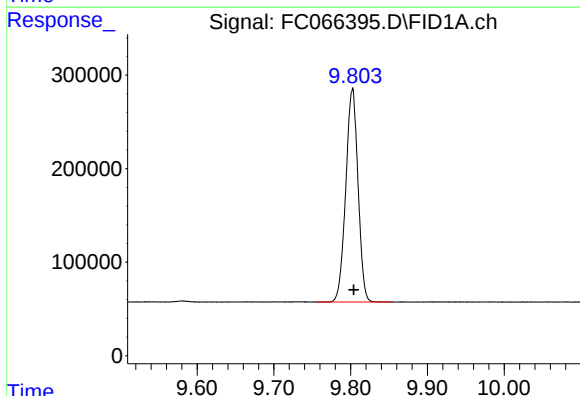
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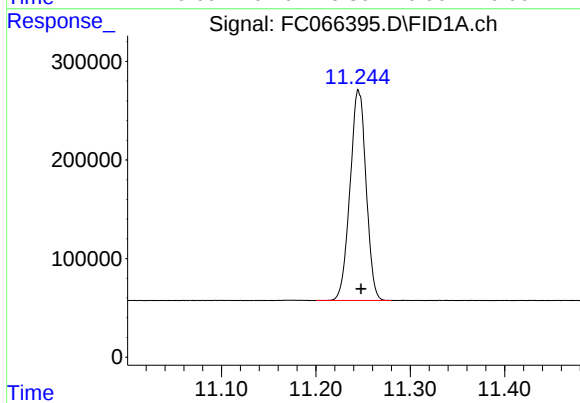
#6 n-Tetradecane (C14)

R.T.: 8.200 min
Delta R.T.: -0.002 min
Response: 2466140
Conc: 16.30 ug/ml



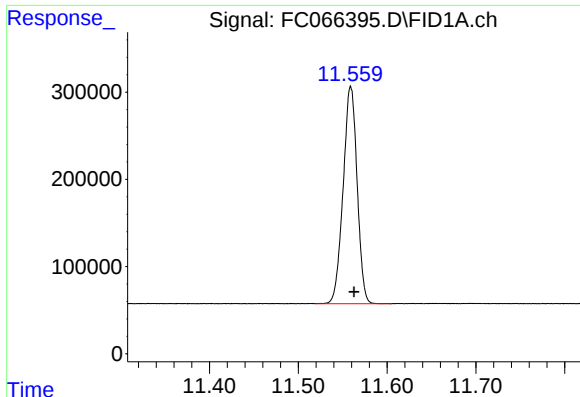
#7 n-Hexadecane (C16)

R.T.: 9.802 min
Delta R.T.: -0.002 min
Response: 2530841
Conc: 16.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.245 min
Delta R.T.: -0.003 min
Response: 2523787
Conc: 16.63 ug/ml



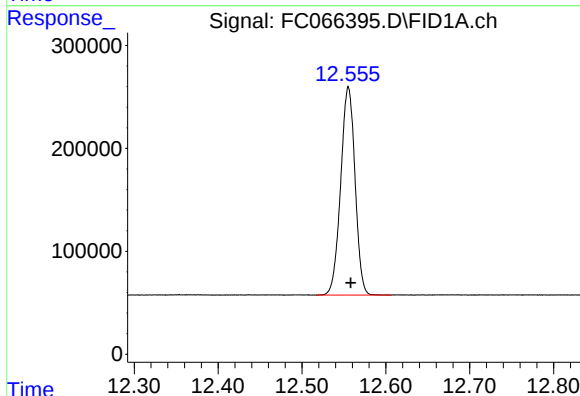
#9 ortho-Terphenyl (SURR)

R.T.: 11.559 min
Delta R.T.: -0.004 min
Response: 2723993
Conc: 16.48 ug/ml

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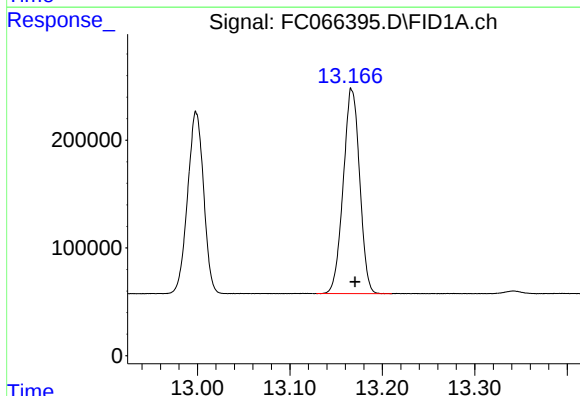
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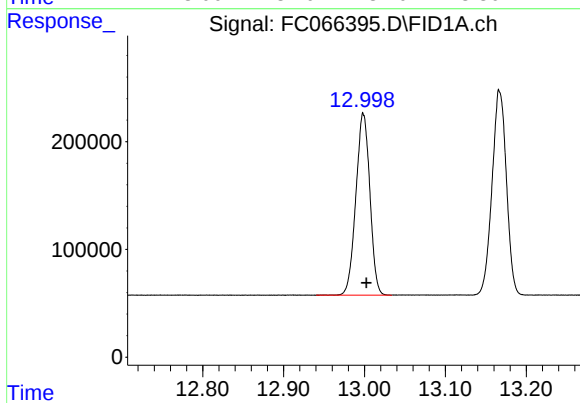
#10 n-Eicosane (C20)

R.T.: 12.555 min
Delta R.T.: -0.003 min
Response: 2402832
Conc: 16.70 ug/ml



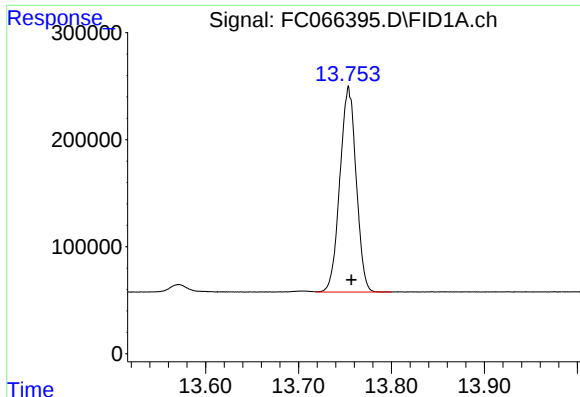
#11 n-Heneicosane (C21)

R.T.: 13.167 min
Delta R.T.: -0.003 min
Response: 2347326
Conc: 16.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.999 min
Delta R.T.: -0.004 min
Response: 2025922
Conc: 16.52 ug/ml



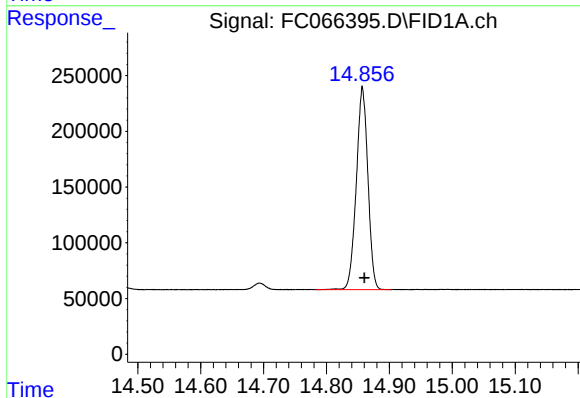
#13 n-Docosane (C22)

R.T.: 13.754 min
Delta R.T.: -0.003 min
Response: 2334095
Conc: 16.67 ug/ml

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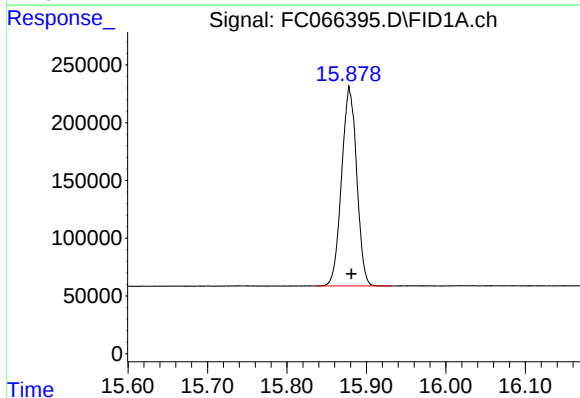
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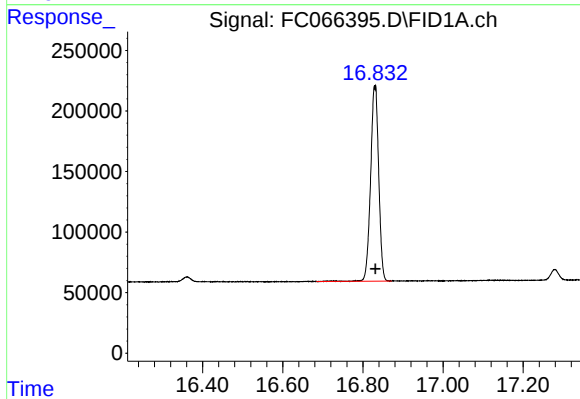
#14 n-Tetracosane (C24)

R.T.: 14.857 min
Delta R.T.: -0.003 min
Response: 2325199
Conc: 16.52 ug/ml



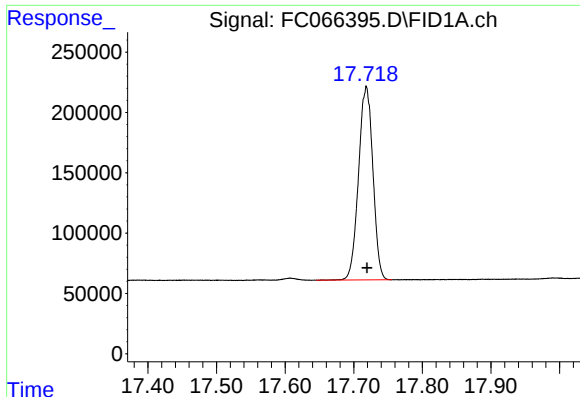
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.002 min
Response: 2271231
Conc: 16.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: -0.001 min
Response: 2259010
Conc: 16.87 ug/ml



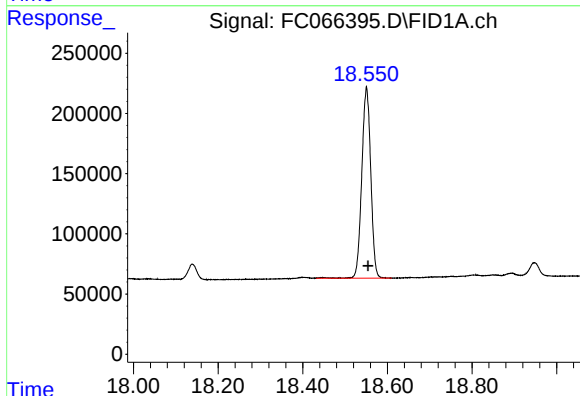
#17 n-Tricontane (C30)

R.T.: 17.718 min
Delta R.T.: -0.001 min
Response: 2328778
Conc: 17.28 ug/ml

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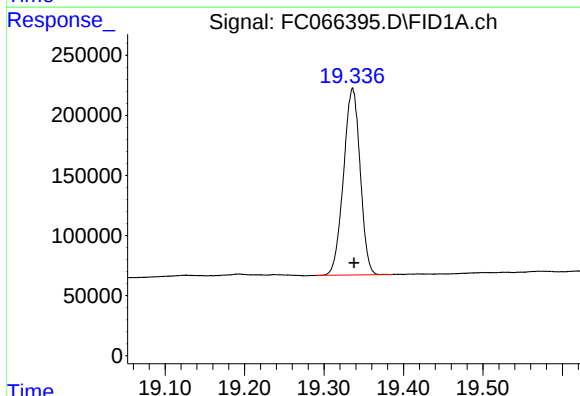
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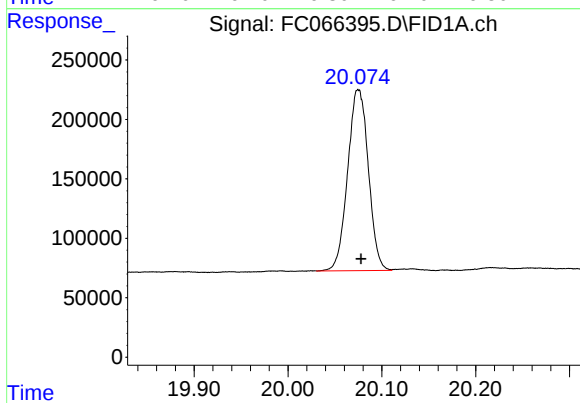
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: -0.003 min
Response: 2333600
Conc: 18.12 ug/ml



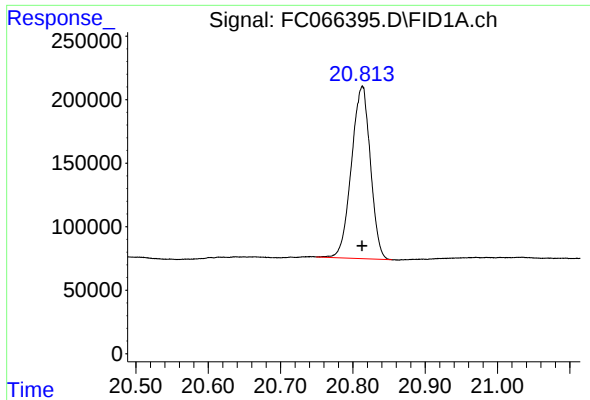
#19 n-Tetratriacontane (C34)

R.T.: 19.336 min
Delta R.T.: -0.002 min
Response: 2261214
Conc: 19.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.074 min
Delta R.T.: -0.003 min
Response: 2334141
Conc: 20.31 ug/ml m



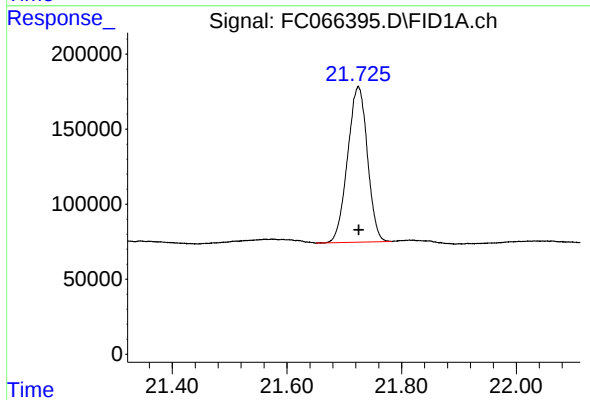
#21 n-Octatriacontane (C38)

R.T.: 20.813 min
Delta R.T.: 0.000 min
Response: 2466284
Conc: 22.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.724 min
Delta R.T.: 0.000 min
Response: 2485418
Conc: 23.18 ug/ml