

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060724AL\
 Data File : FC066552.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jun 2024 13:06
 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 06/10/2024
 Supervised By :Ankita Jodhani 06/10/2024

Integration File: autoint1.e
 Quant Time: Jun 08 02:06:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052824.M
 Quant Title : GC Extractables
 QLast Update : Tue May 28 12:26:07 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)	11.552	2800191	18.423 ug/ml
Spiked Amount 50.000		Recovery =	36.85%
12) S 1-chlorooctadecane (S...	12.991	2118161	18.537 ug/ml
Spiked Amount 50.000		Recovery =	37.07%
Target Compounds			
1) T n-Nonane (C9)	3.307	2473060	17.670 ug/ml
2) T n-Decane (C10)	4.377	2575113	17.897 ug/ml
3) T A~Naphthalene (C11.7)	5.961	2853722	17.908 ug/ml
4) T n-Dodecane (C12)	6.398	2589625	17.984 ug/ml
5) T A~2-methylnaphthalene...	7.018	2751082	17.938 ug/ml
6) T n-Tetradecane (C14)	8.194	2560444	18.137 ug/ml
7) T n-Hexadecane (C16)	9.796	2642184	18.385 ug/ml
8) T n-Octadecane (C18)	11.238	2649908	18.517 ug/ml
10) T n-Eicosane (C20)	12.548	2539645	18.665 ug/ml
11) T n-Heneicosane (C21)	13.160	2492515	18.698 ug/ml
13) T n-Docosane (C22)	13.746	2496091	18.939 ug/ml
14) T n-Tetracosane (C24)	14.848	2530112	19.436 ug/ml
15) T n-Hexacosane (C26)	15.870	2499328	19.652 ug/ml
16) T n-Octacosane (C28)	16.821	2523630	20.327 ug/ml
17) T n-Tricontane (C30)	17.709	2661555	21.119 ug/ml
18) T n-Dotriacontane (C32)	18.540	2629574	21.365 ug/ml
19) T n-Tetratriacontane (C34)	19.322	2481793	20.695 ug/mlm
20) T n-Hexatriacontane (C36)	20.064	2310748	19.073 ug/ml
21) T n-Octatriacontane (C38)	20.796	2230613	19.282 ug/ml
22) T n-Tetracontane (C40)	21.707	2158714	17.623 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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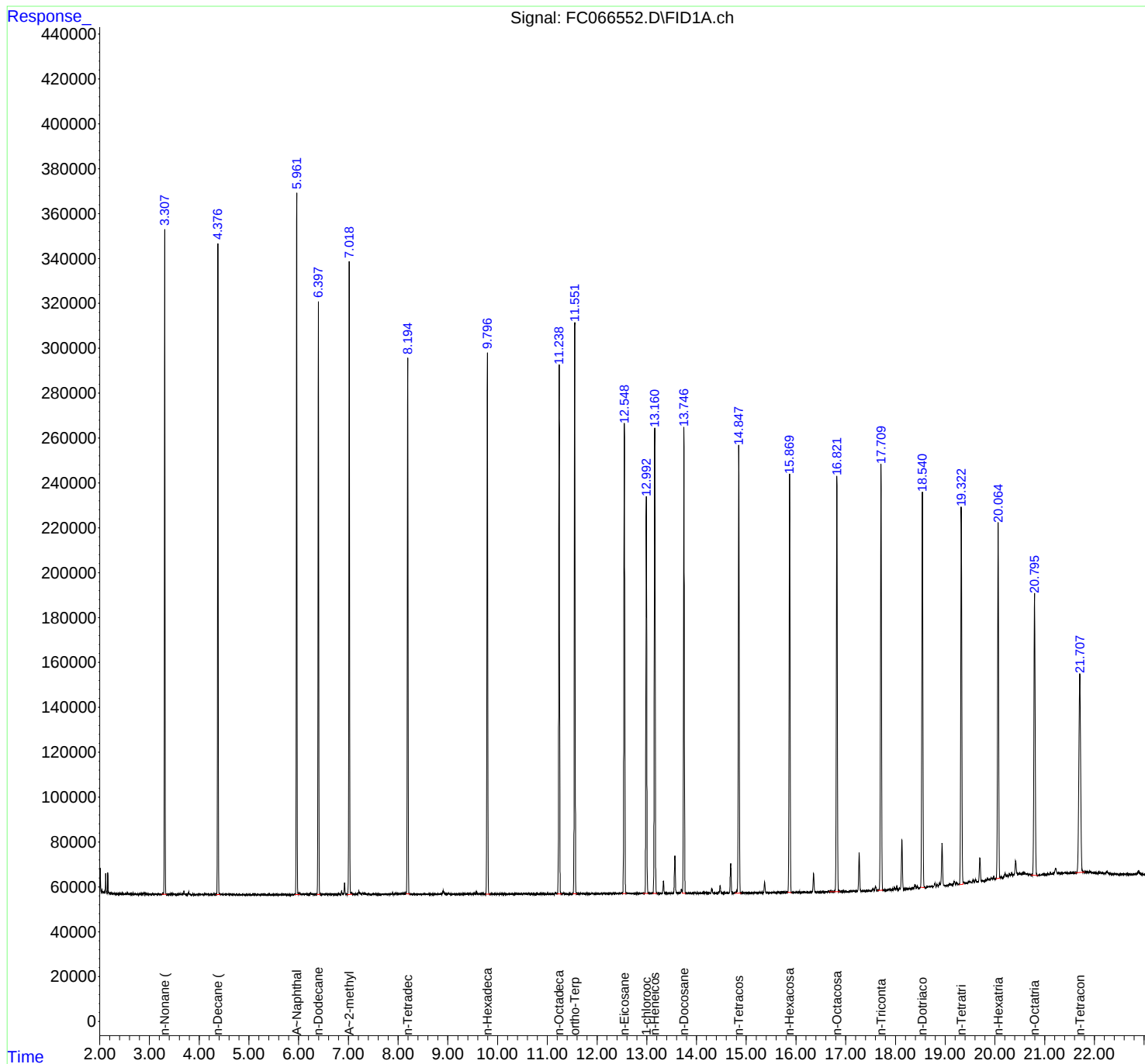
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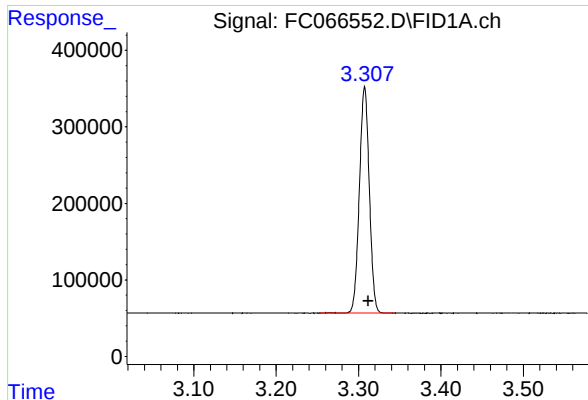
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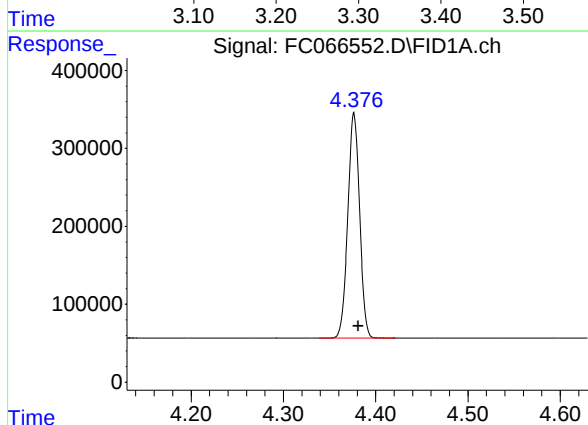
#1 n-Nonane (C9)

R.T.: 3.307 min
Delta R.T.: -0.005 min
Response: 2473060
Conc: 17.67 ug/ml

Instrument :
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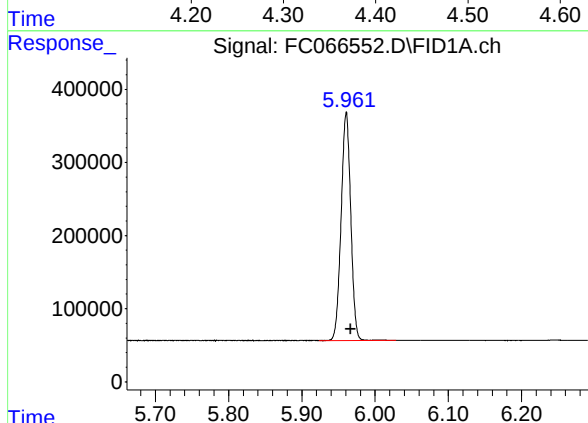
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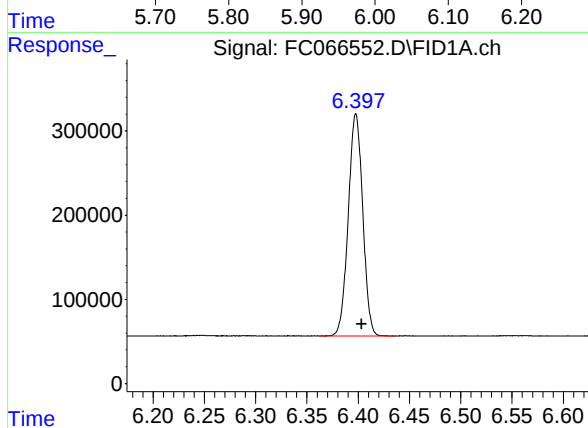
#2 n-Decane (C10)

R.T.: 4.377 min
Delta R.T.: -0.005 min
Response: 2575113
Conc: 17.90 ug/ml



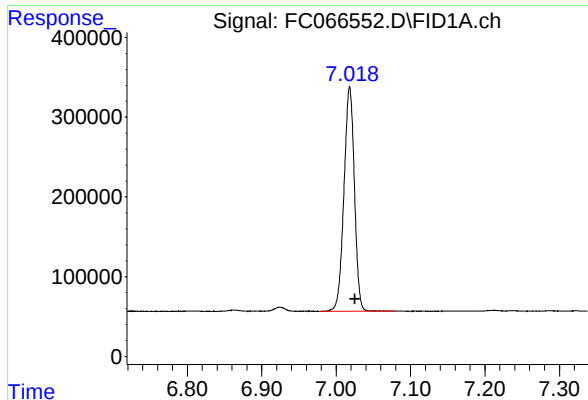
#3 A~Naphthalene (C11.7)

R.T.: 5.961 min
Delta R.T.: -0.006 min
Response: 2853722
Conc: 17.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.398 min
Delta R.T.: -0.005 min
Response: 2589625
Conc: 17.98 ug/ml



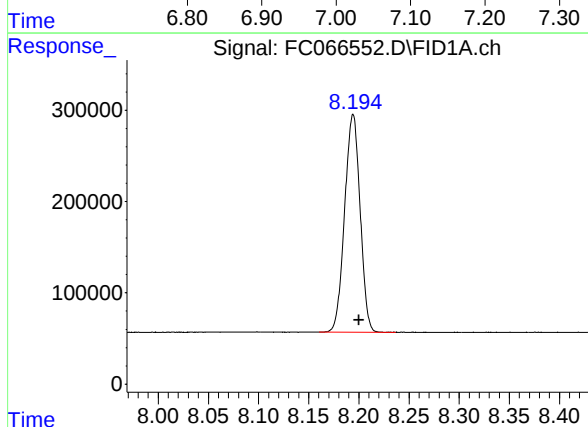
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.018 min
Delta R.T.: -0.007 min
Response: 2751082
Conc: 17.94 ug/ml

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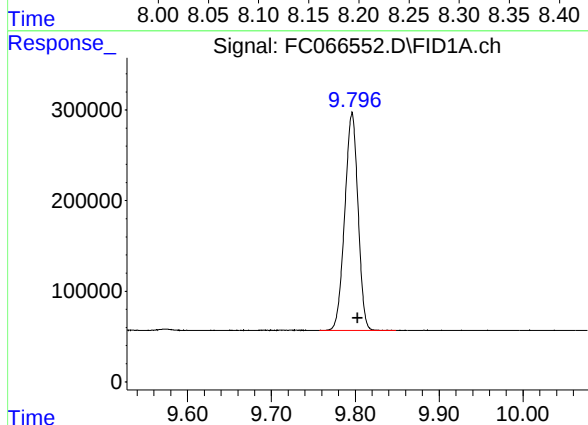
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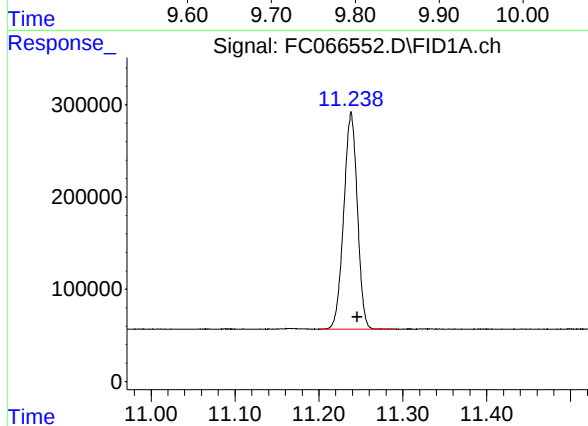
#6 n-Tetradecane (C14)

R.T.: 8.194 min
Delta R.T.: -0.006 min
Response: 2560444
Conc: 18.14 ug/ml



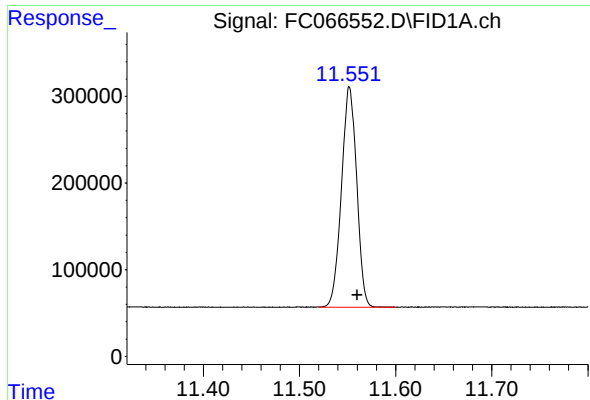
#7 n-Hexadecane (C16)

R.T.: 9.796 min
Delta R.T.: -0.007 min
Response: 2642184
Conc: 18.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.238 min
Delta R.T.: -0.007 min
Response: 2649908
Conc: 18.52 ug/ml



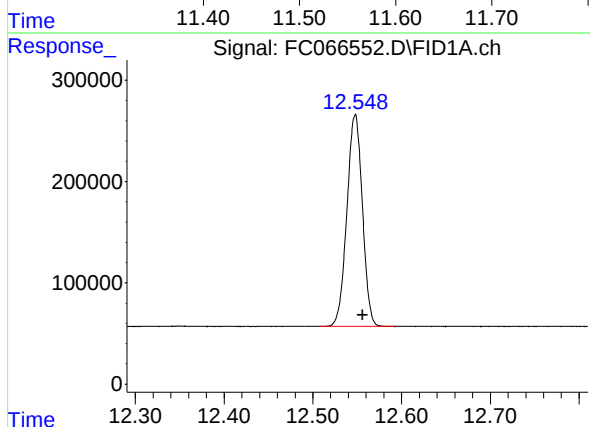
#9 ortho-Terphenyl (SURR)

R.T.: 11.552 min
Delta R.T.: -0.008 min
Response: 2800191
Conc: 18.42 ug/ml

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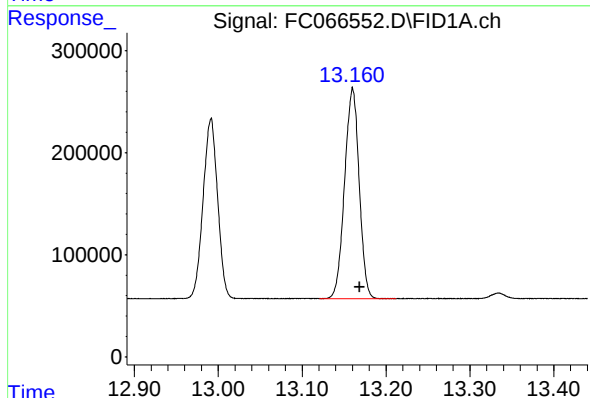
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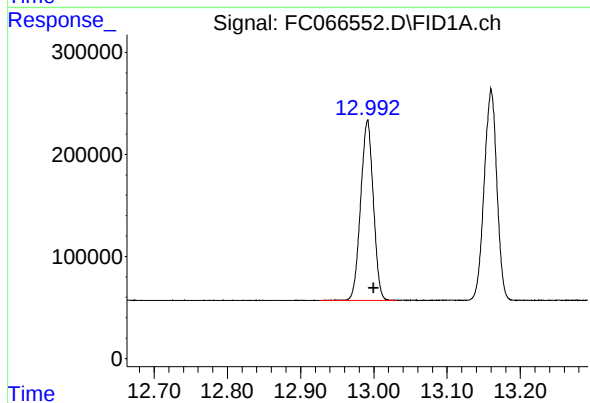
#10 n-Eicosane (C20)

R.T.: 12.548 min
Delta R.T.: -0.008 min
Response: 2539645
Conc: 18.66 ug/ml



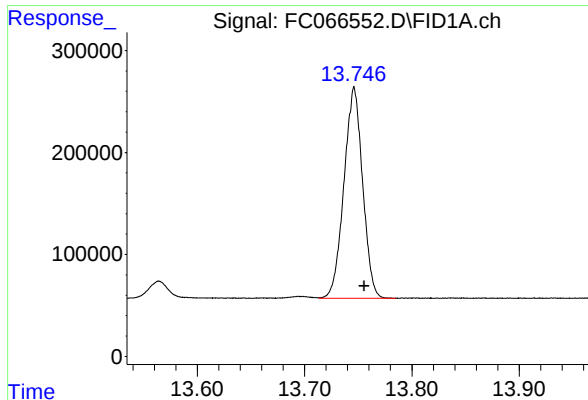
#11 n-Heneicosane (C21)

R.T.: 13.160 min
Delta R.T.: -0.009 min
Response: 2492515
Conc: 18.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.991 min
Delta R.T.: -0.009 min
Response: 2118161
Conc: 18.54 ug/ml



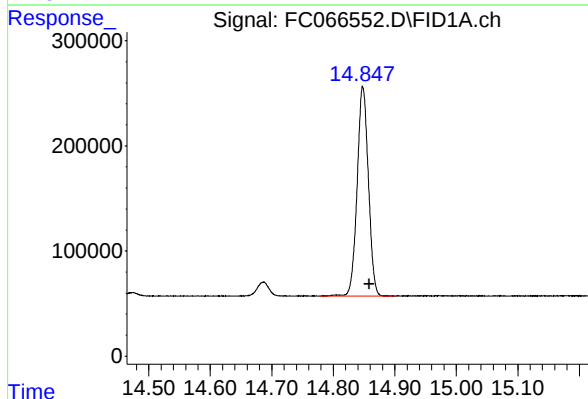
#13 n-Docosane (C22)

R.T.: 13.746 min
Delta R.T.: -0.010 min
Response: 2496091
Conc: 18.94 ug/ml

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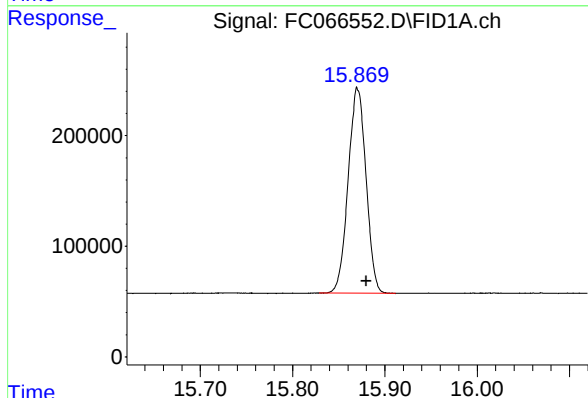
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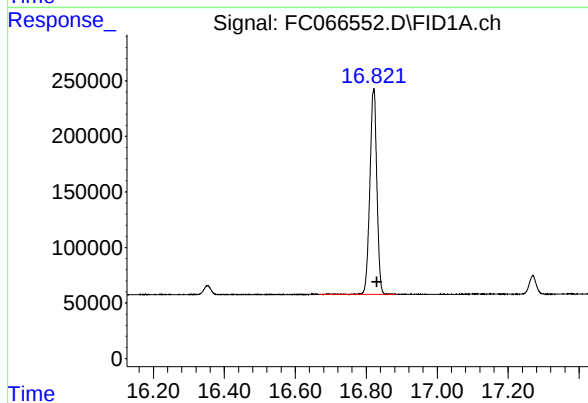
#14 n-Tetracosane (C24)

R.T.: 14.848 min
Delta R.T.: -0.011 min
Response: 2530112
Conc: 19.44 ug/ml



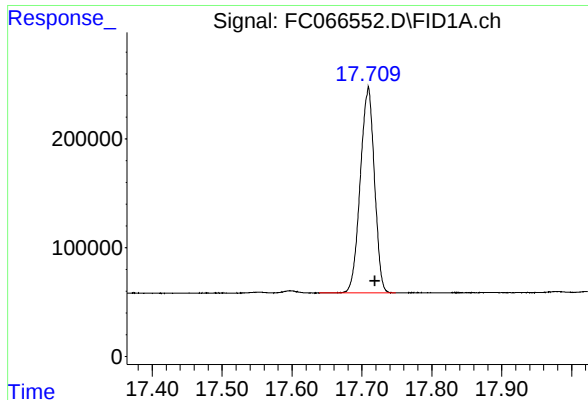
#15 n-Hexacosane (C26)

R.T.: 15.870 min
Delta R.T.: -0.009 min
Response: 2499328
Conc: 19.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.821 min
Delta R.T.: -0.009 min
Response: 2523630
Conc: 20.33 ug/ml



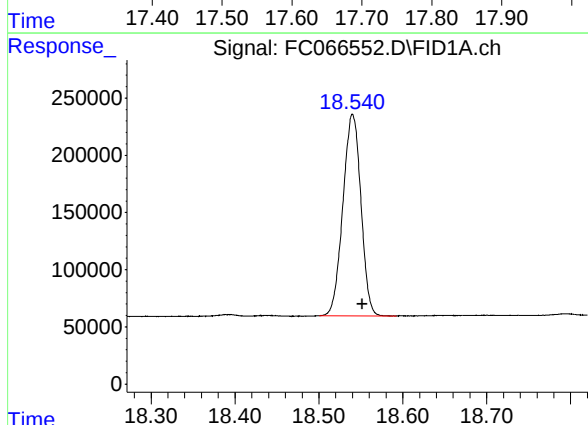
#17 n-Tricontane (C30)

R.T.: 17.709 min
Delta R.T.: -0.010 min
Response: 2661555
Conc: 21.12 ug/ml

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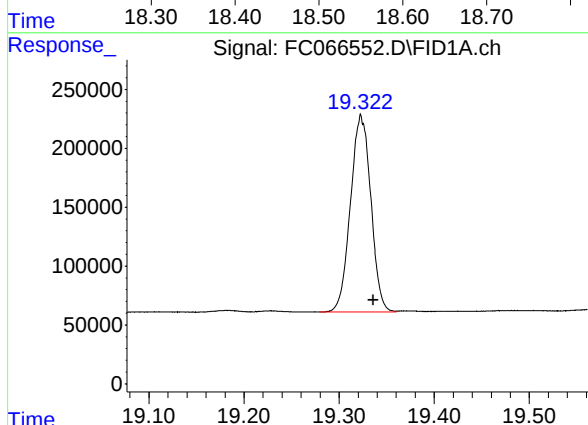
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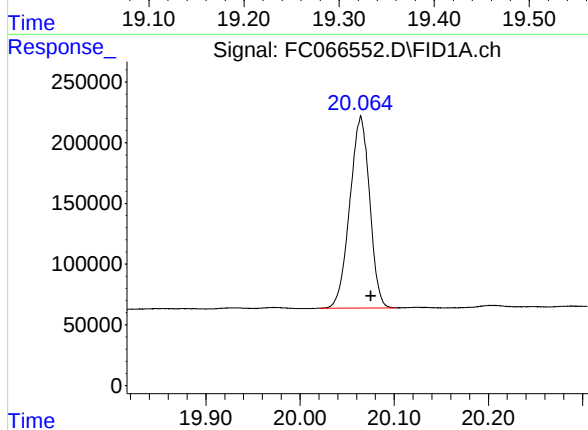
#18 n-Dotriacontane (C32)

R.T.: 18.540 min
Delta R.T.: -0.011 min
Response: 2629574
Conc: 21.37 ug/ml



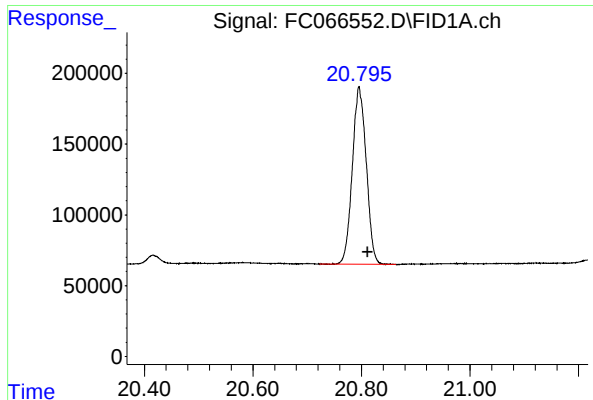
#19 n-Tetatriacontane (C34)

R.T.: 19.322 min
Delta R.T.: -0.014 min
Response: 2481793
Conc: 20.69 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.064 min
Delta R.T.: -0.011 min
Response: 2310748
Conc: 19.07 ug/ml



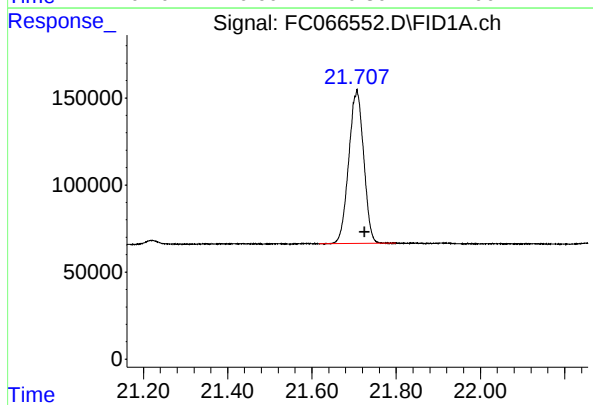
#21 n-Octatriacontane (C38)

R.T.: 20.796 min
Delta R.T.: -0.016 min
Response: 2230613
Conc: 19.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.707 min
Delta R.T.: -0.018 min
Response: 2158714
Conc: 17.62 ug/ml