

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051024AL\
 Data File : FC066387.D
 Signal(s) : FID1A.ch
 Acq On : 11 May 2024 08:53
 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 01:39:55 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)	11.560	2802943	16.953 ug/ml
Spiked Amount 50.000		Recovery =	33.91%
12) S 1-chlorooctadecane (S...	12.999	2102671	17.142 ug/ml
Spiked Amount 50.000		Recovery =	34.28%
Target Compounds			
1) T n-Nonane (C9)	3.312	2482349	16.436 ug/ml
2) T n-Decane (C10)	4.381	2549054	16.576 ug/ml
3) T A~Naphthalene (C11.7)	5.964	2822393	16.612 ug/ml
4) T n-Dodecane (C12)	6.403	2559173	16.652 ug/ml
5) T A~2-methylnaphthalene...	7.022	2741736	16.636 ug/ml
6) T n-Tetradecane (C14)	8.200	2529611	16.715 ug/ml
7) T n-Hexadecane (C16)	9.802	2603370	17.026 ug/ml
8) T n-Octadecane (C18)	11.245	2607353	17.177 ug/ml
10) T n-Eicosane (C20)	12.556	2503448	17.403 ug/ml
11) T n-Heneicosane (C21)	13.168	2444749	17.392 ug/ml
13) T n-Docosane (C22)	13.754	2421549	17.296 ug/ml
14) T n-Tetracosane (C24)	14.858	2436614	17.308 ug/ml
15) T n-Hexacosane (C26)	15.879	2335873	17.077 ug/ml
16) T n-Octacosane (C28)	16.830	2309609	17.246 ug/ml
17) T n-Tricontane (C30)	17.718	2378720	17.651 ug/ml
18) T n-Dotriacontane (C32)	18.551	2396974	18.616 ug/ml
19) T n-Tetratriacontane (C34)	19.334	2277863	19.253 ug/ml
20) T n-Hexatriacontane (C36)	20.075	2346332	20.413 ug/ml
21) T n-Octatriacontane (C38)	20.811	2447712	22.741 ug/ml
22) T n-Tetracontane (C40)	21.721	2558123	23.856 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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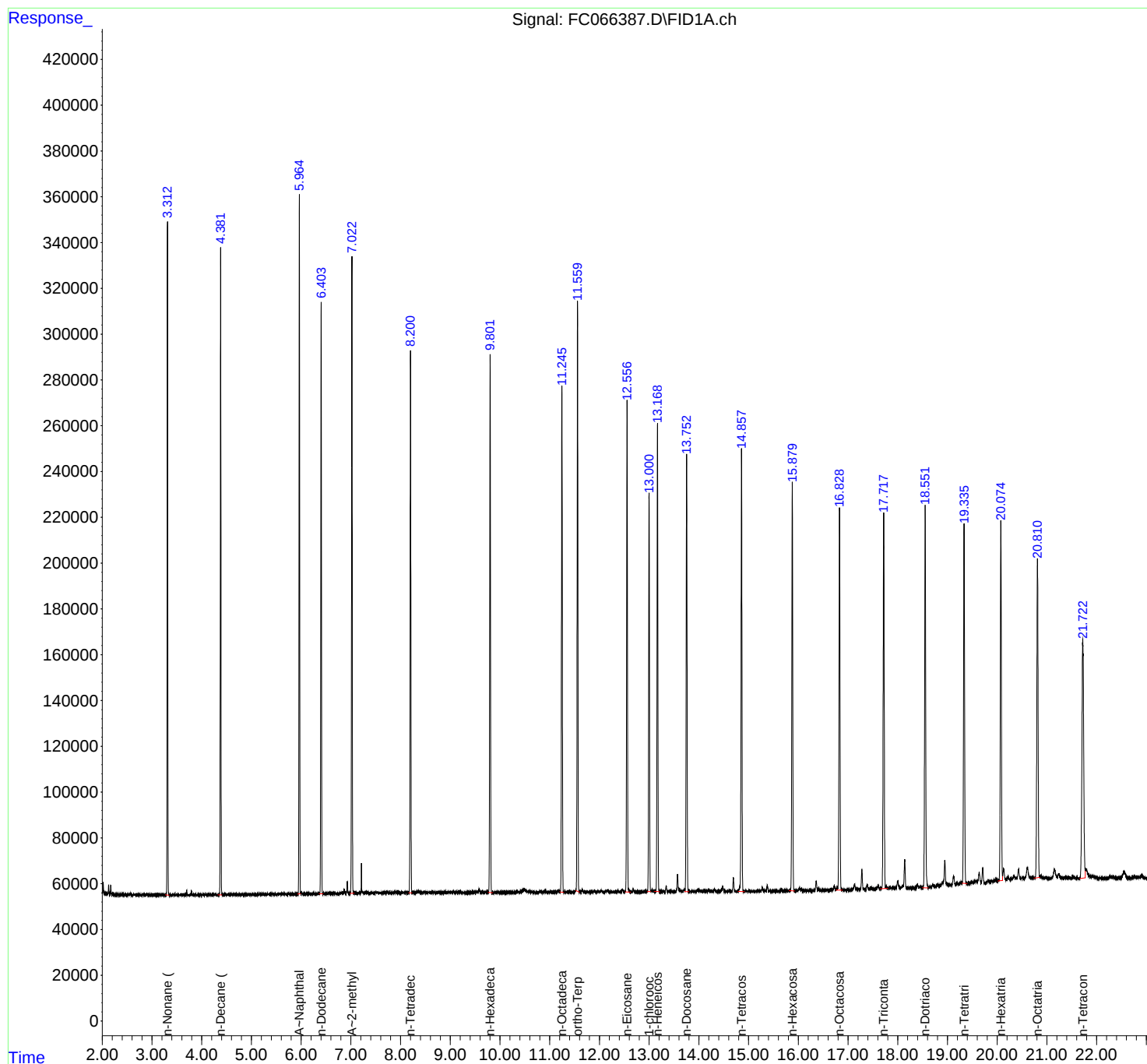
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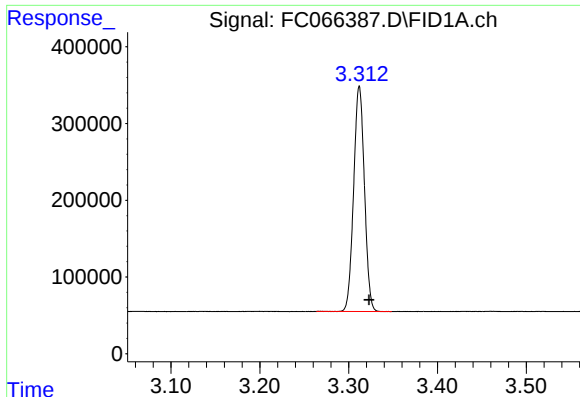
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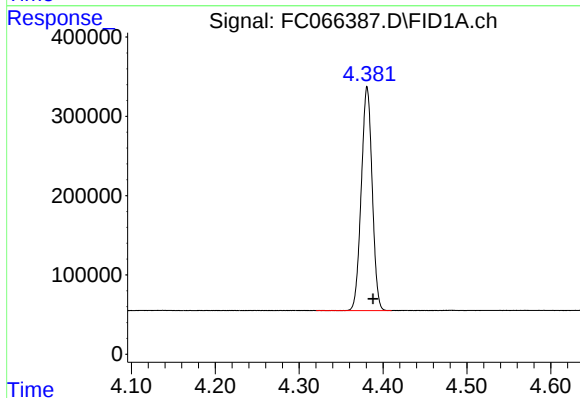
#1 n-Nonane (C9)

R.T.: 3.312 min
Delta R.T.: -0.011 min
Response: 2482349
Conc: 16.44 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

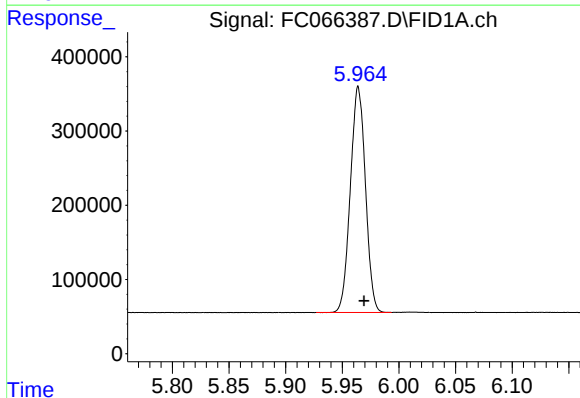
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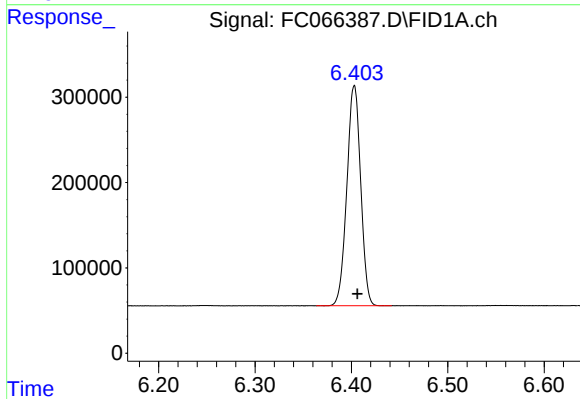
#2 n-Decane (C10)

R.T.: 4.381 min
Delta R.T.: -0.007 min
Response: 2549054
Conc: 16.58 ug/ml



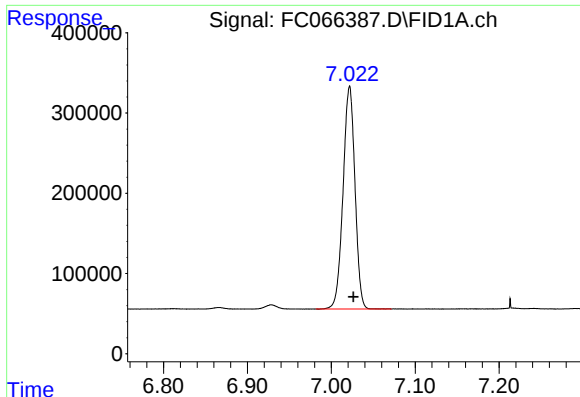
#3 A~Naphthalene (C11.7)

R.T.: 5.964 min
Delta R.T.: -0.005 min
Response: 2822393
Conc: 16.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 2559173
Conc: 16.65 ug/ml



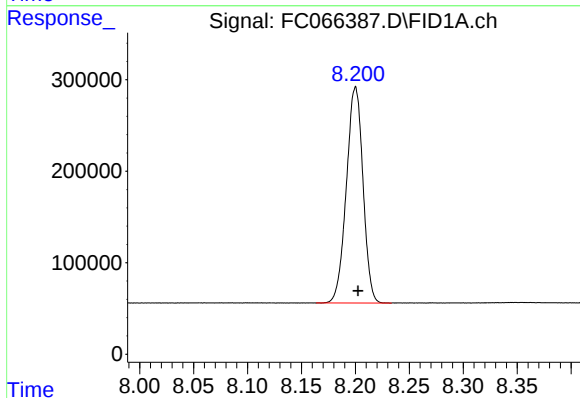
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.022 min
Delta R.T.: -0.005 min
Response: 2741736
Conc: 16.64 ug/ml

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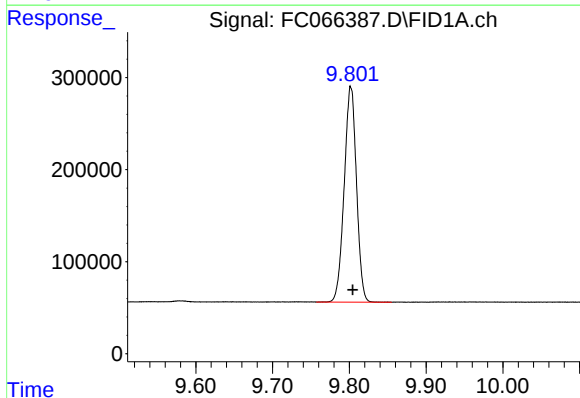
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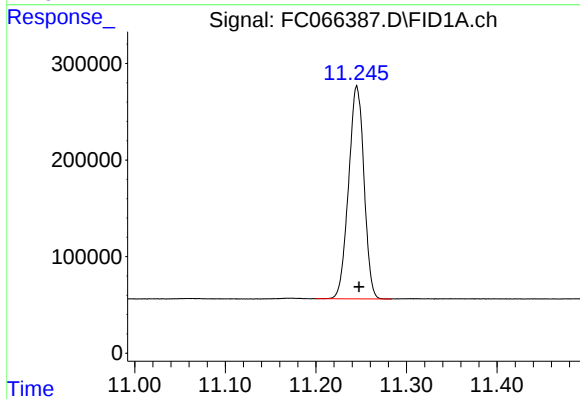
#6 n-Tetradecane (C14)

R.T.: 8.200 min
Delta R.T.: -0.002 min
Response: 2529611
Conc: 16.71 ug/ml



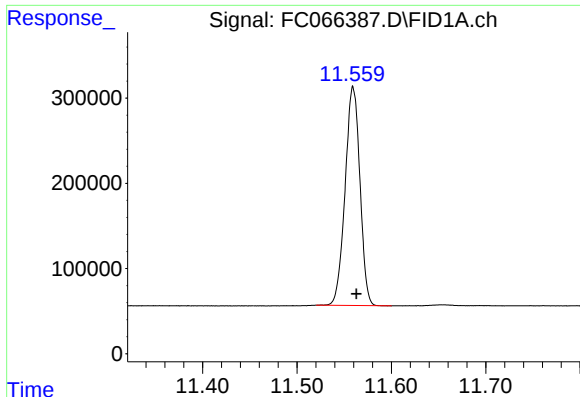
#7 n-Hexadecane (C16)

R.T.: 9.802 min
Delta R.T.: -0.002 min
Response: 2603370
Conc: 17.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.245 min
Delta R.T.: -0.002 min
Response: 2607353
Conc: 17.18 ug/ml



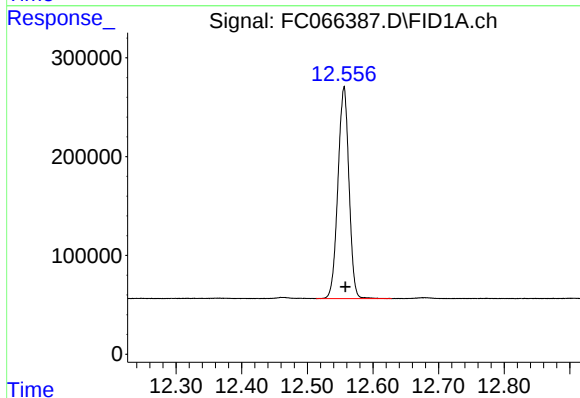
#9 ortho-Terphenyl (SURR)

R.T.: 11.560 min
Delta R.T.: -0.003 min
Response: 2802943
Conc: 16.95 ug/ml

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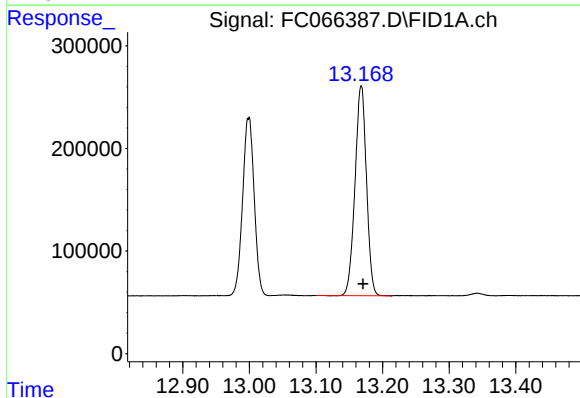
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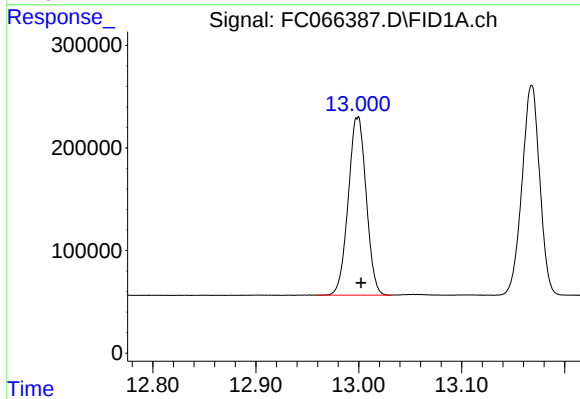
#10 n-Eicosane (C20)

R.T.: 12.556 min
Delta R.T.: -0.003 min
Response: 2503448
Conc: 17.40 ug/ml



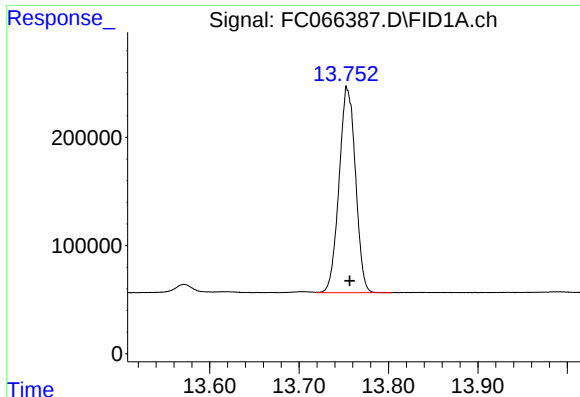
#11 n-Heneicosane (C21)

R.T.: 13.168 min
Delta R.T.: -0.003 min
Response: 2444749
Conc: 17.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.999 min
Delta R.T.: -0.003 min
Response: 2102671
Conc: 17.14 ug/ml



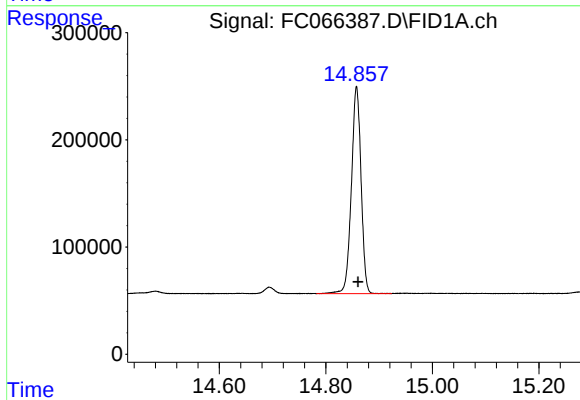
#13 n-Docosane (C22)

R.T.: 13.754 min
Delta R.T.: -0.003 min
Response: 2421549
Conc: 17.30 ug/ml

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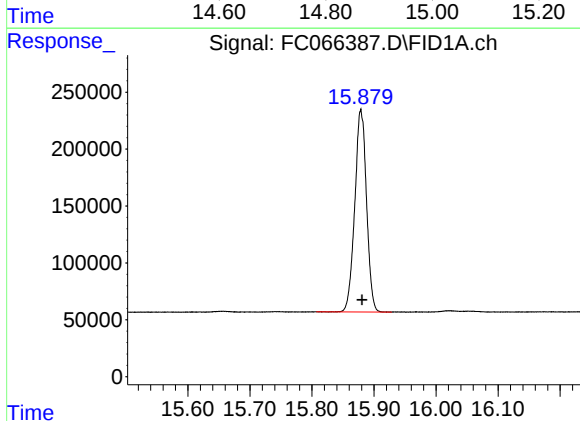
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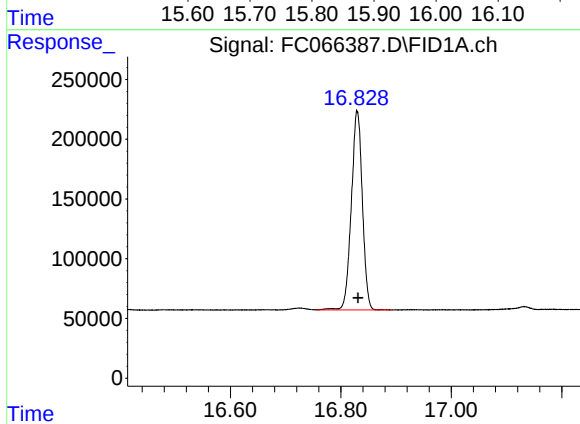
#14 n-Tetracosane (C24)

R.T.: 14.858 min
Delta R.T.: -0.003 min
Response: 2436614
Conc: 17.31 ug/ml



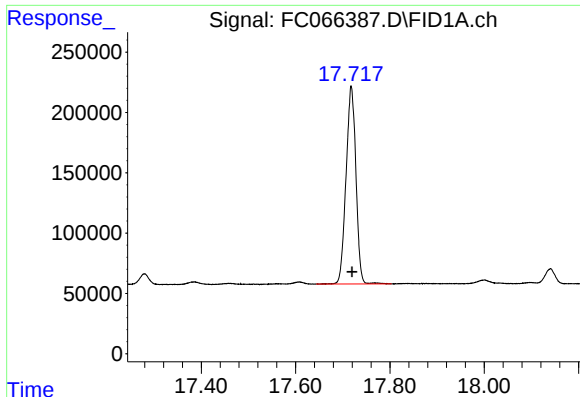
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.002 min
Response: 2335873
Conc: 17.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: -0.002 min
Response: 2309609
Conc: 17.25 ug/ml



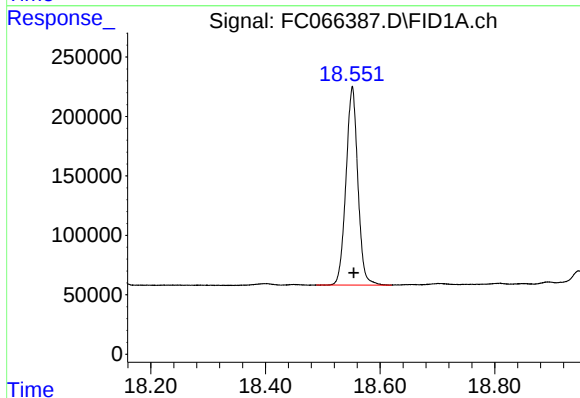
#17 n-Tricontane (C30)

R.T.: 17.718 min
Delta R.T.: -0.001 min
Response: 2378720
Conc: 17.65 ug/ml

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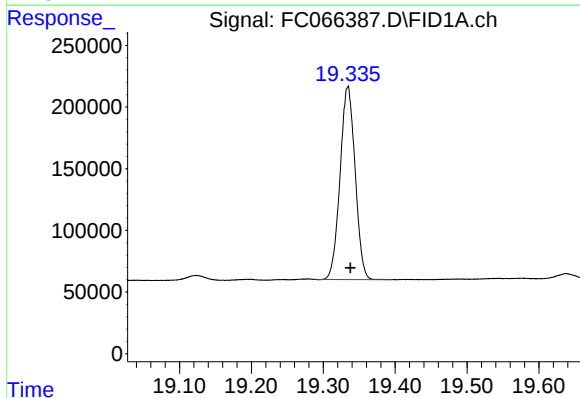
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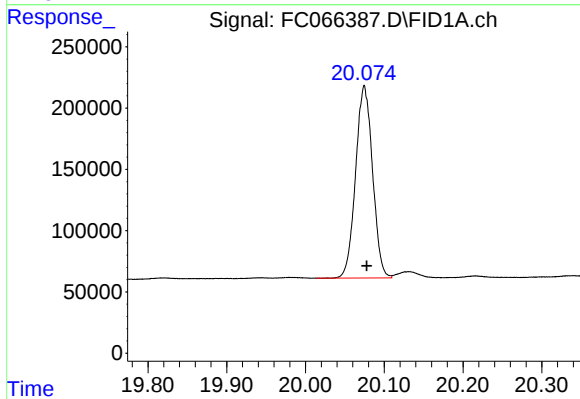
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: -0.003 min
Response: 2396974
Conc: 18.62 ug/ml



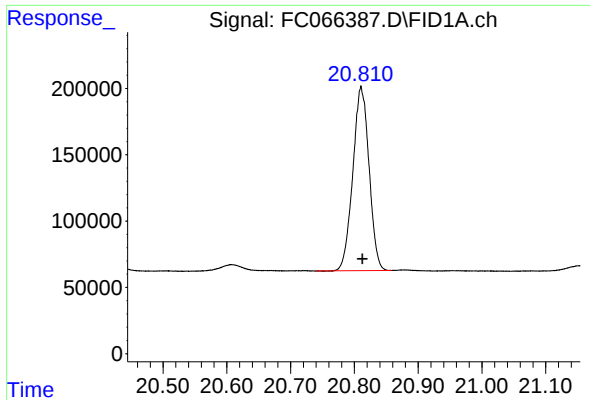
#19 n-Tetratriacontane (C34)

R.T.: 19.334 min
Delta R.T.: -0.004 min
Response: 2277863
Conc: 19.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.075 min
Delta R.T.: -0.003 min
Response: 2346332
Conc: 20.41 ug/ml



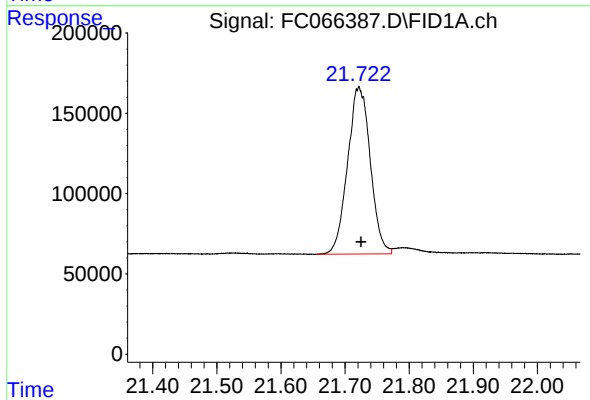
#21 n-Octatriacontane (C38)

R.T.: 20.811 min
Delta R.T.: -0.002 min
Response: 2447712
Conc: 22.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.721 min
Delta R.T.: -0.004 min
Response: 2558123
Conc: 23.86 ug/ml m