

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092719AL\
 Data File : FC043671.D
 Signal(s) : FID1A.CH
 Acq On : 27 Sep 2019 9:55
 Operator : DD\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

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 9/30/2019 3:01:49 PM

Integration File: autoint1.e
 Quant Time: Sep 28 00:21:54 2019
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 092519.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 26 10:57:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.582	3013980	19.857 ug/ml
Spiked Amount 50.000		Recovery =	39.71%
12) S 1-chlorooctadecane (S...	13.004	2335511	19.699 ug/ml
Spiked Amount 50.000		Recovery =	39.40%
Target Compounds			
1) T n-Nonane (C9)	3.432	2469113	20.422 ug/ml
2) T n-Decane (C10)	4.485	2502176	20.672 ug/ml
3) T A~Naphthalene (C11.7)	6.064	2534731	21.529 ug/ml
4) T n-Dodecane (C12)	6.476	2640791	20.879 ug/ml
5) T A~2-methylnaphthalene...	7.109	2529050	20.987 ug/ml
6) T n-Tetradecane (C14)	8.250	2690252	20.900 ug/ml
7) T n-Hexadecane (C16)	9.834	2733121	20.757 ug/ml
8) T n-Octadecane (C18)	11.262	2776629	20.358 ug/ml
10) T n-Eicosane (C20)	12.561	2784399	19.949 ug/ml
11) T n-Heneicosane (C21)	13.167	2805887	19.744 ug/ml
13) T n-Docosane (C22)	13.750	2766693	19.472 ug/ml
14) T n-Tetracosane (C24)	14.843	2723882	18.974 ug/ml
15) T n-Hexacosane (C26)	15.856	2635123	18.428 ug/ml
16) T n-Octacosane (C28)	16.800	2540614	17.922 ug/ml
17) T n-Tricontane (C30)	17.681	2450779	17.475 ug/ml
18) T n-Dotriacontane (C32)	18.508	2280146	17.165 ug/ml
19) T n-Tetratriacontane (C34)	19.286	2155750	17.254 ug/ml
20) T n-Hexatriacontane (C36)	20.023	2028403	17.549 ug/mlm
21) T n-Octatriacontane (C38)	20.745	1908386	17.930 ug/ml
22) T n-Tetracontane (C40)	21.628	1943703	18.590 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : DD\AJ
Sample : 20 PPM ALIPHATIC HC STD
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ALS Vial : 2 Sample Multiplier: 1

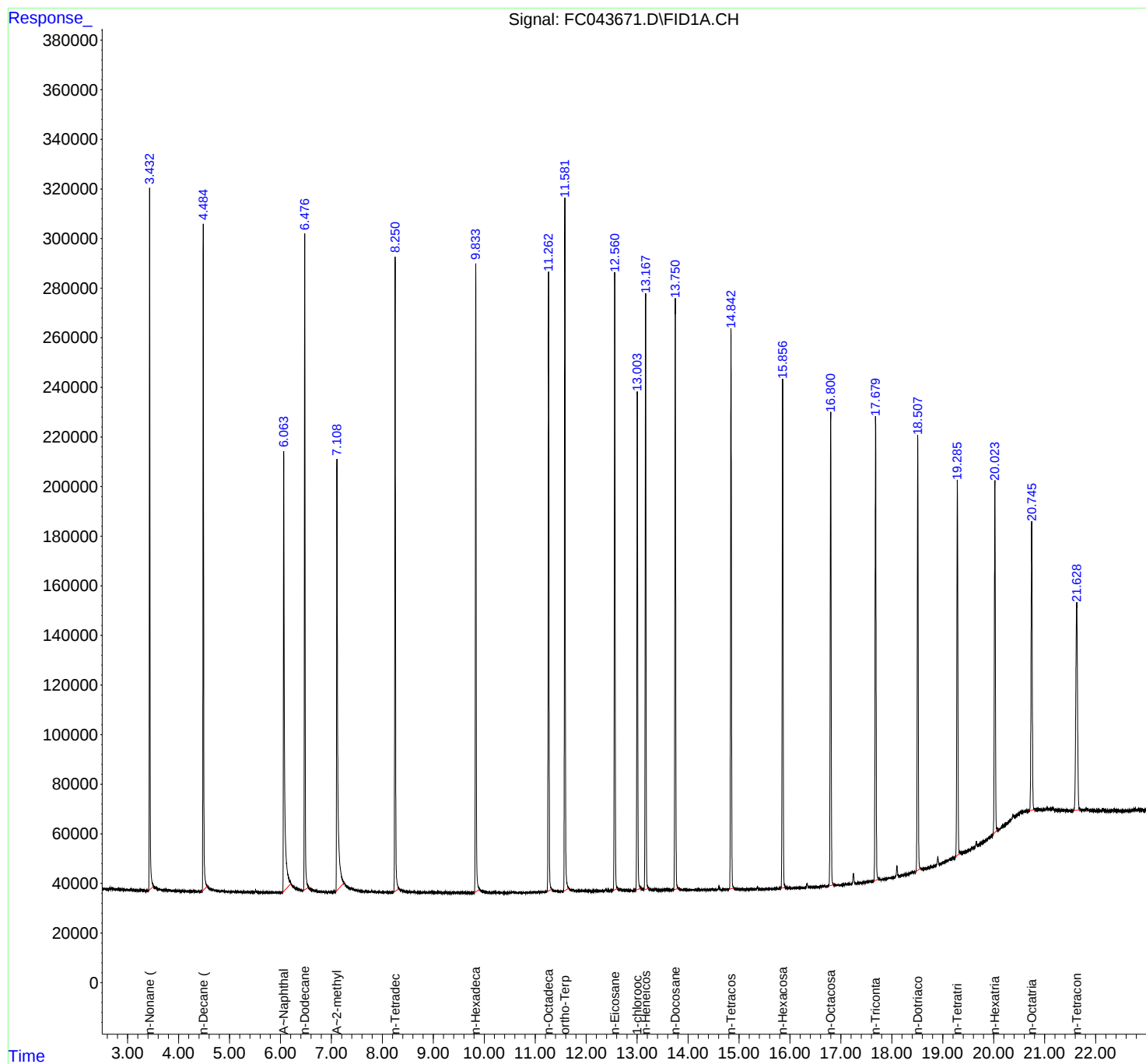
Instrument :
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20 PPM ALIPHATIC HC STD

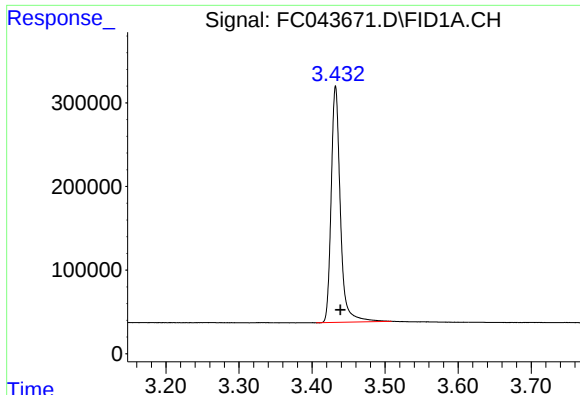
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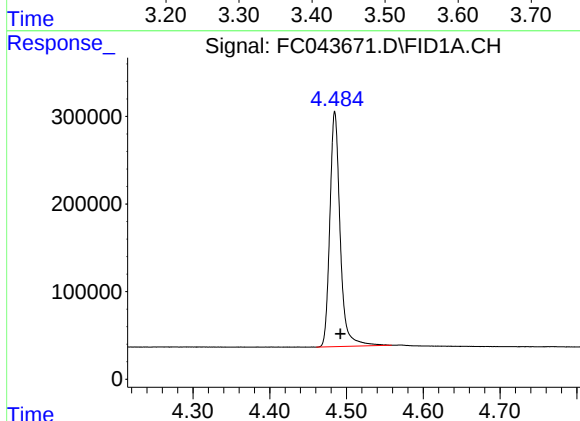
#1 n-Nonane (C9)

R.T.: 3.432 min
Delta R.T.: -0.007 min
Response: 2469113
Conc: 20.42 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

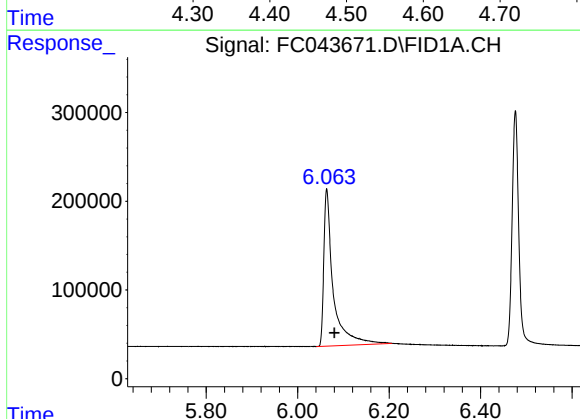
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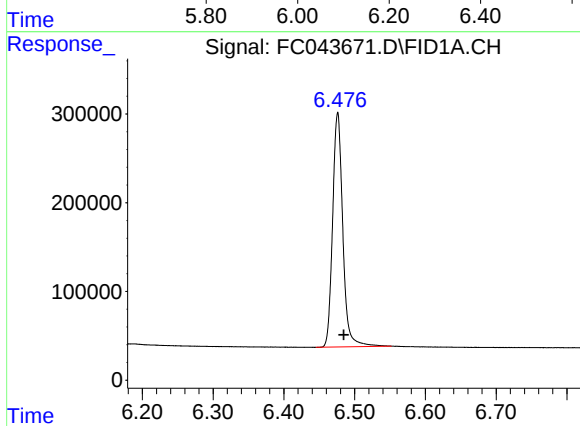
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: -0.007 min
Response: 2502176
Conc: 20.67 ug/ml



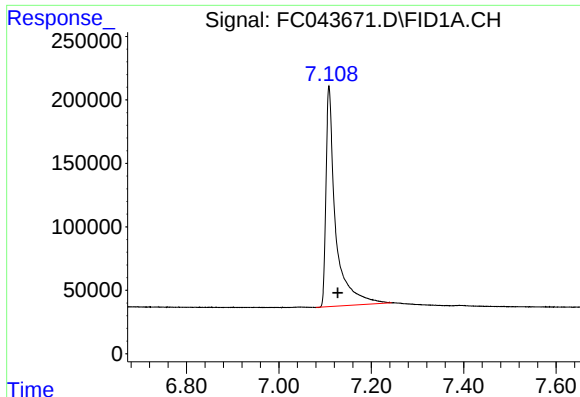
#3 A~Naphthalene (C11.7)

R.T.: 6.064 min
Delta R.T.: -0.017 min
Response: 2534731
Conc: 21.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.476 min
Delta R.T.: -0.009 min
Response: 2640791
Conc: 20.88 ug/ml



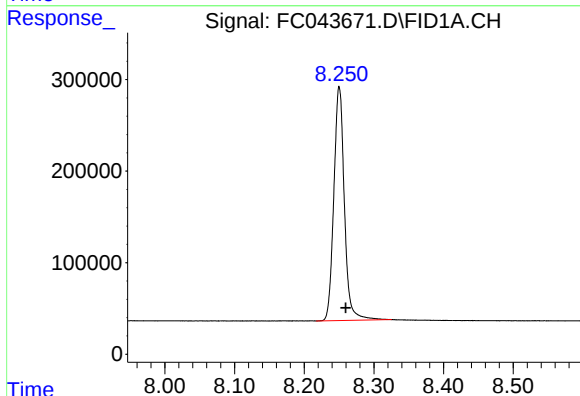
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.109 min
Delta R.T.: -0.019 min
Response: 2529050
Conc: 20.99 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

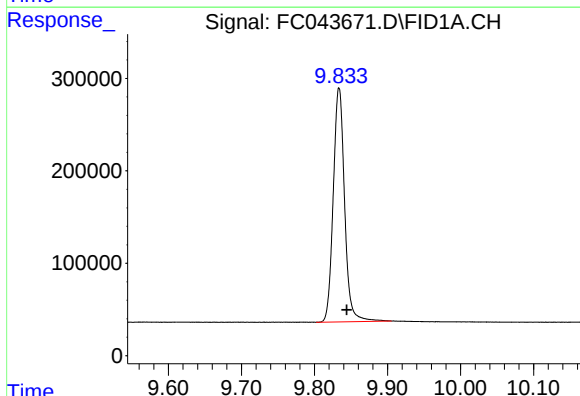
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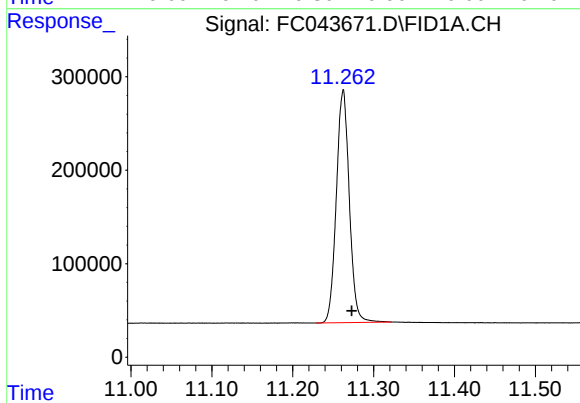
#6 n-Tetradecane (C14)

R.T.: 8.250 min
Delta R.T.: -0.009 min
Response: 2690252
Conc: 20.90 ug/ml



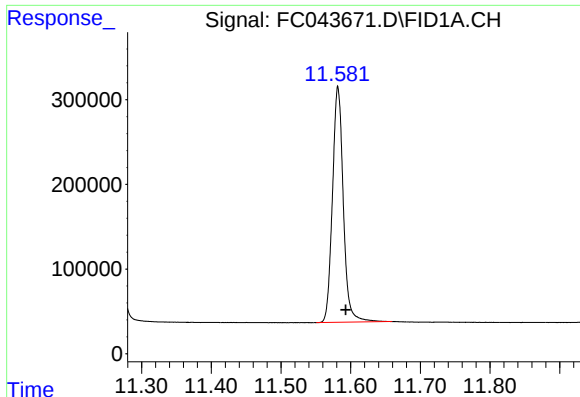
#7 n-Hexadecane (C16)

R.T.: 9.834 min
Delta R.T.: -0.010 min
Response: 2733121
Conc: 20.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.262 min
Delta R.T.: -0.011 min
Response: 2776629
Conc: 20.36 ug/ml



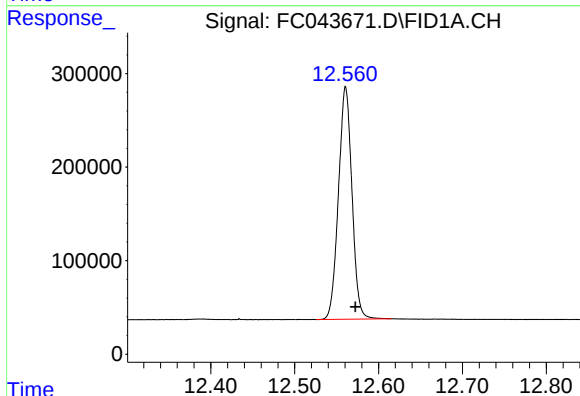
#9 ortho-Terphenyl (SURR)

R.T.: 11.582 min
Delta R.T.: -0.011 min
Response: 3013980
Conc: 19.86 ug/ml

Instrument :
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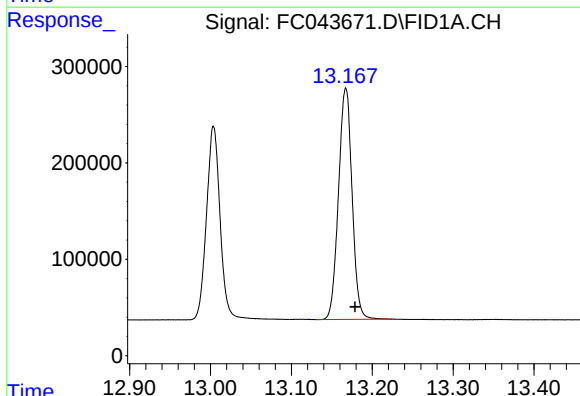
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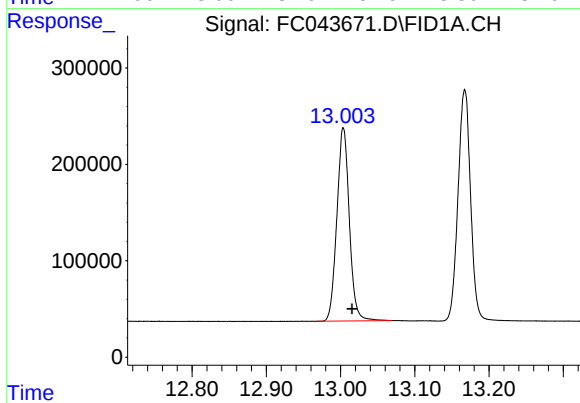
#10 n-Eicosane (C20)

R.T.: 12.561 min
Delta R.T.: -0.011 min
Response: 2784399
Conc: 19.95 ug/ml



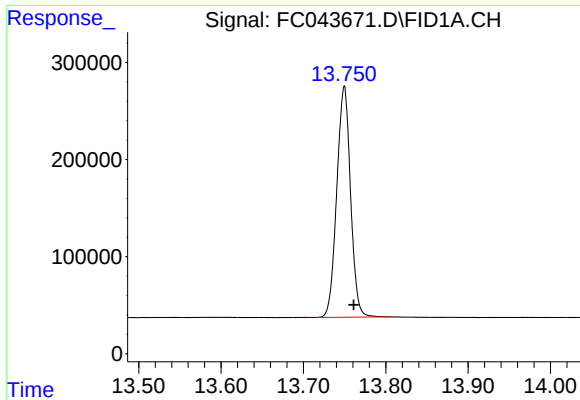
#11 n-Heneicosane (C21)

R.T.: 13.167 min
Delta R.T.: -0.011 min
Response: 2805887
Conc: 19.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.004 min
Delta R.T.: -0.012 min
Response: 2335511
Conc: 19.70 ug/ml



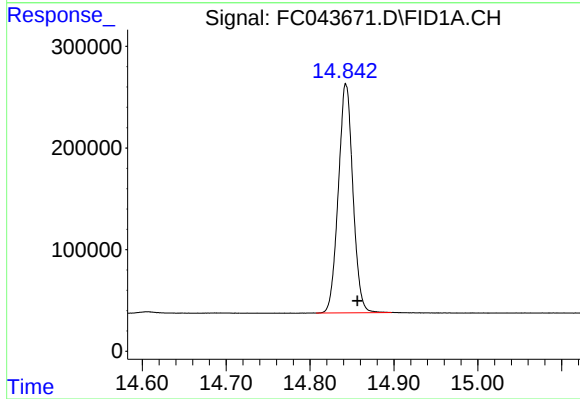
#13 n-Docosane (C22)

R.T.: 13.750 min
Delta R.T.: -0.011 min
Response: 2766693
Conc: 19.47 ug/ml

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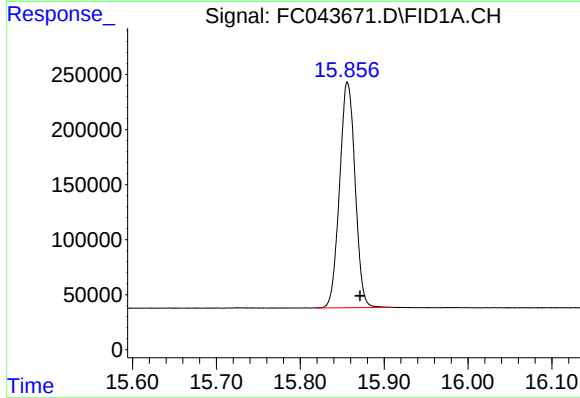
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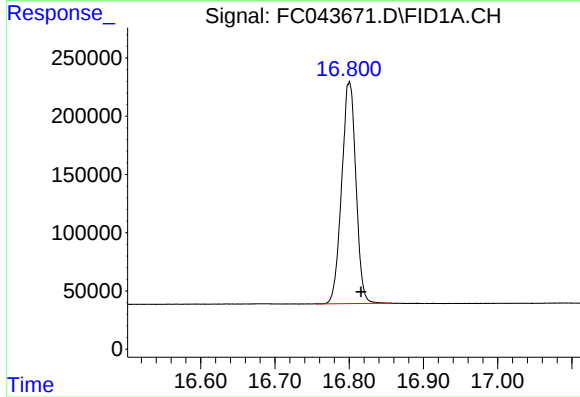
#14 n-Tetracosane (C24)

R.T.: 14.843 min
Delta R.T.: -0.014 min
Response: 2723882
Conc: 18.97 ug/ml



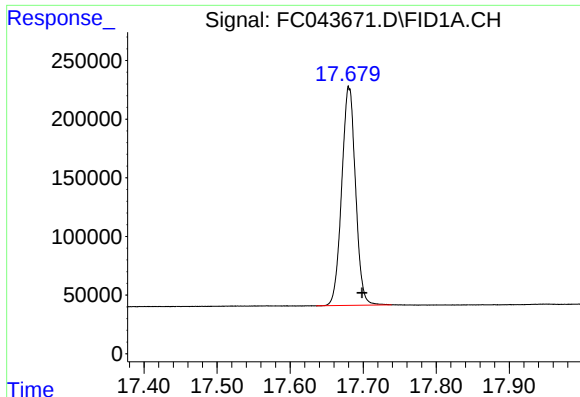
#15 n-Hexacosane (C26)

R.T.: 15.856 min
Delta R.T.: -0.015 min
Response: 2635123
Conc: 18.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.800 min
Delta R.T.: -0.016 min
Response: 2540614
Conc: 17.92 ug/ml



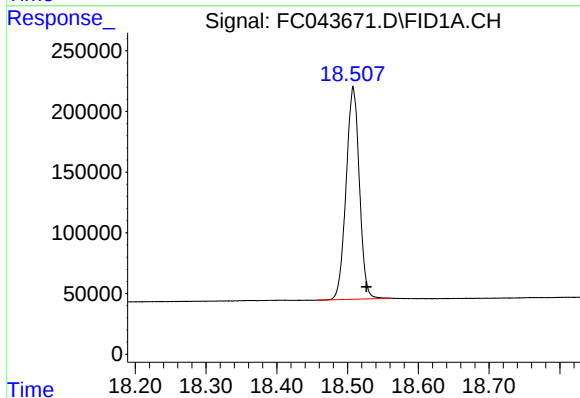
#17 n-Tricontane (C30)

R.T.: 17.681 min
Delta R.T.: -0.018 min
Response: 2450779
Conc: 17.47 ug/ml

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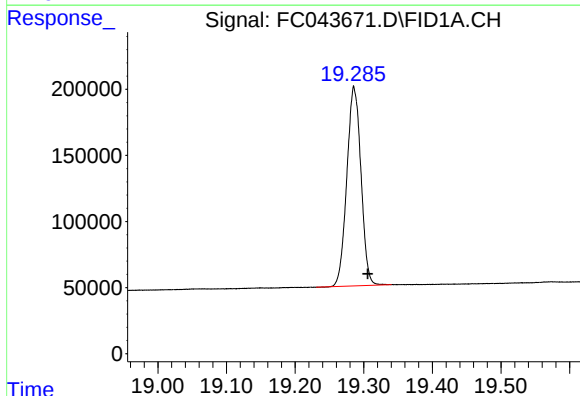
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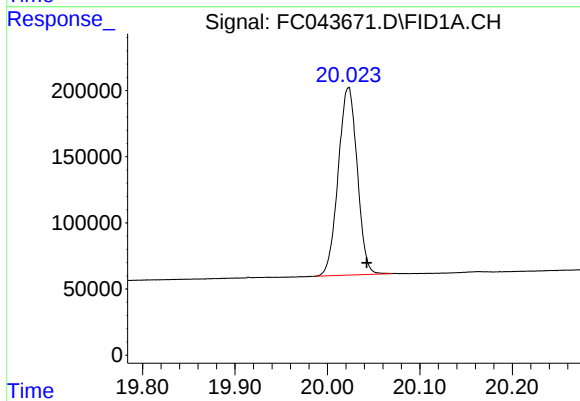
#18 n-Dotriacontane (C32)

R.T.: 18.508 min
Delta R.T.: -0.019 min
Response: 2280146
Conc: 17.17 ug/ml



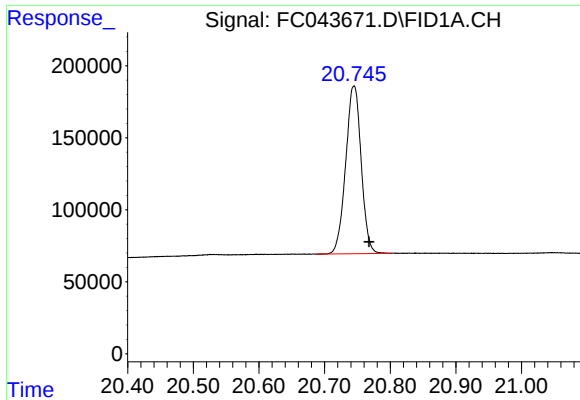
#19 n-Tetratriacontane (C34)

R.T.: 19.286 min
Delta R.T.: -0.020 min
Response: 2155750
Conc: 17.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.023 min
Delta R.T.: -0.019 min
Response: 2028403
Conc: 17.55 ug/ml m



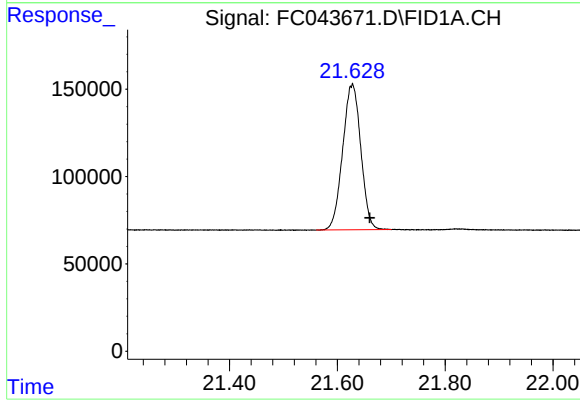
#21 n-Octatriacontane (C38)

R.T.: 20.745 min
Delta R.T.: -0.023 min
Response: 1908386
Conc: 17.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.628 min
Delta R.T.: -0.032 min
Response: 1943703
Conc: 18.59 ug/ml