

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060621AL\
 Data File : FC054067.D
 Signal(s) : FID1A.CH
 Acq On : 07 Jun 2021 00:06
 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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 6/8/2021 8:50:11 AM

Integration File: autoint1.e
 Quant Time: Jun 07 03:53:21 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 052721.M
 Quant Title : GC Extractables
 QLast Update : Fri May 28 09:04:47 2021
 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)	11.367	2815440	20.164 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
12) S 1-chlorooctadecane (S...	12.811	2165605	19.315 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
Target Compounds			
1) T n-Nonane (C9)	3.167	2718213	23.007 ug/ml
2) T n-Decane (C10)	4.224	2763947	23.189 ug/ml
3) T A~Naphthalene (C11.7)	5.793	2997609	22.920 ug/ml
4) T n-Dodecane (C12)	6.234	2820118	22.972 ug/ml
5) T A~2-methylnaphthalene...	6.848	3034154	22.729 ug/ml
6) T n-Tetradecane (C14)	8.025	2800835	22.580 ug/ml
7) T n-Hexadecane (C16)	9.622	2728615	21.900 ug/ml
8) T n-Octadecane (C18)	11.062	2757005	20.931 ug/ml
10) T n-Eicosane (C20)	12.369	2668039	19.905 ug/ml
11) T n-Heneicosane (C21)	12.980	2617604	19.516 ug/ml
13) T n-Docosane (C22)	13.567	2583669	19.223 ug/ml
14) T n-Tetracosane (C24)	14.668	2472126	18.412 ug/ml
15) T n-Hexacosane (C26)	15.689	2412449	18.202 ug/ml
16) T n-Octacosane (C28)	16.639	2400153	18.178 ug/ml
17) T n-Tricontane (C30)	17.527	2417633	18.438 ug/ml
18) T n-Dotriacontane (C32)	18.358	2397823	18.588 ug/ml
19) T n-Tetratriacontane (C34)	19.143	2350864	19.270 ug/mlm
20) T n-Hexatriacontane (C36)	19.881	2276227	20.162 ug/mlm
21) T n-Octatriacontane (C38)	20.591	2171138	21.532 ug/ml
22) T n-Tetracontane (C40)	21.429	2323053	23.018 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

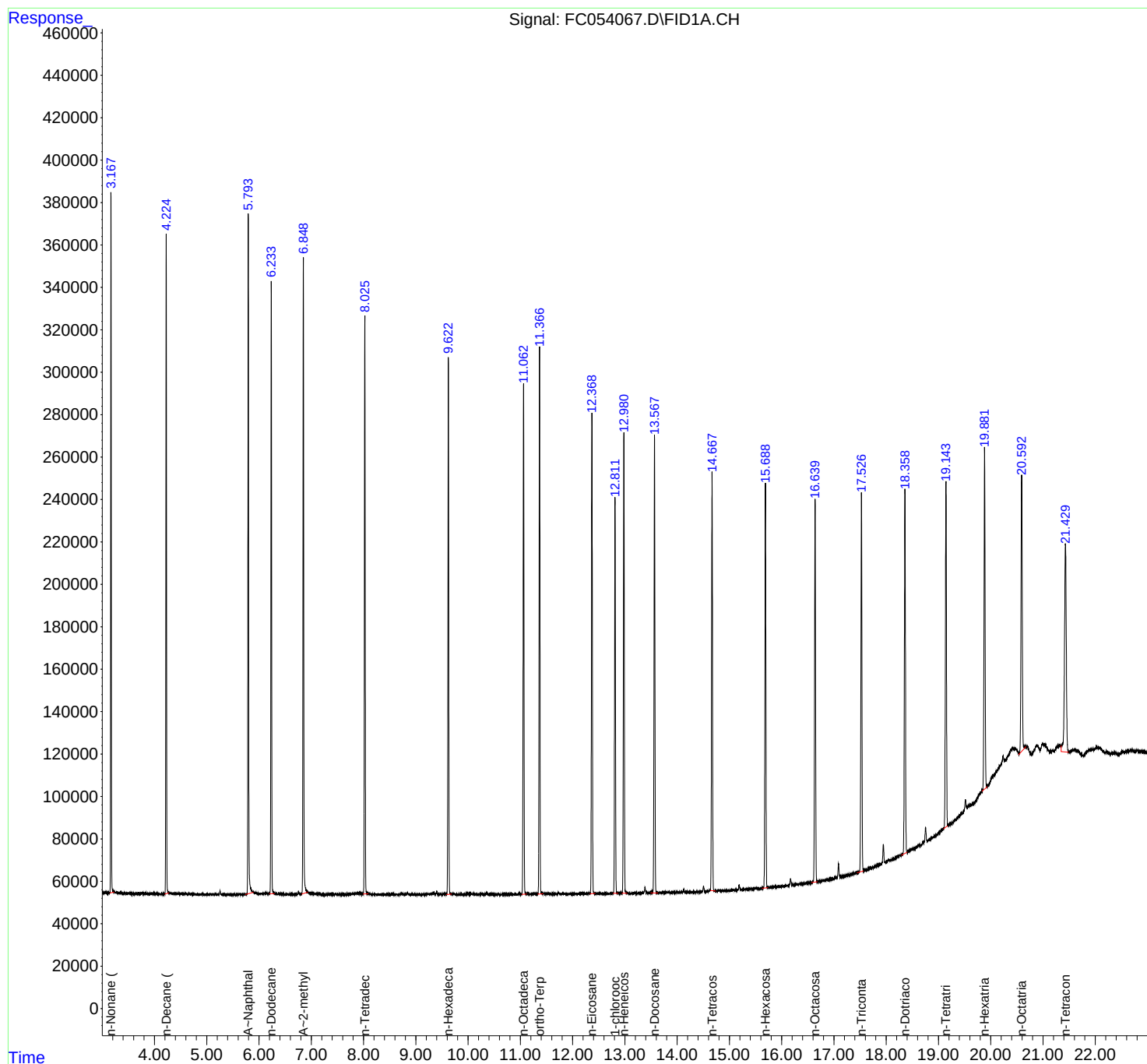
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

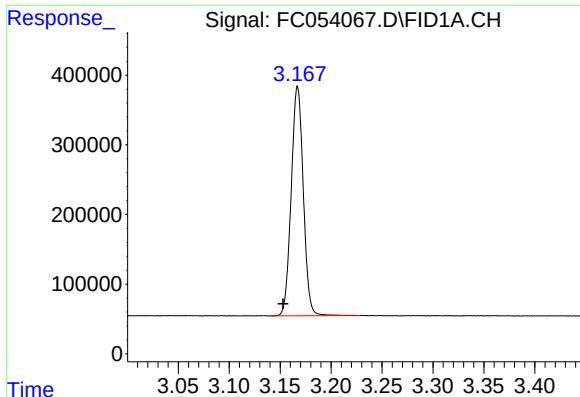
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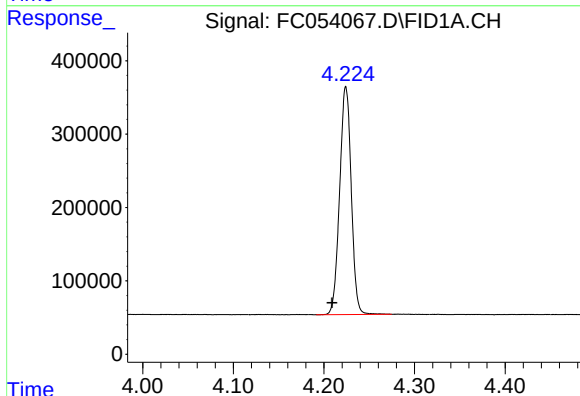
#1 n-Nonane (C9)

R.T.: 3.167 min
Delta R.T.: 0.014 min
Response: 2718213
Conc: 23.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

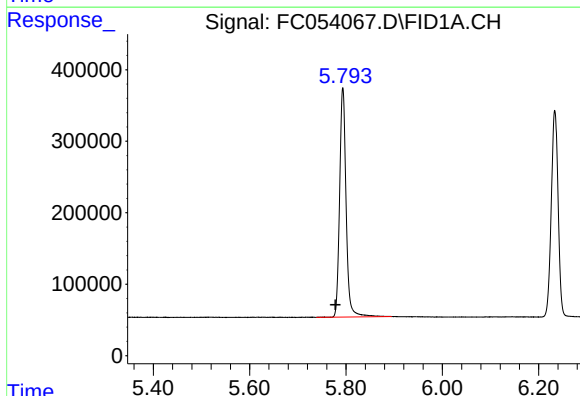
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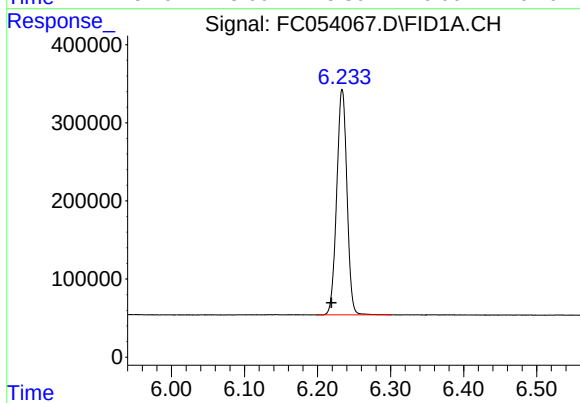
#2 n-Decane (C10)

R.T.: 4.224 min
Delta R.T.: 0.015 min
Response: 2763947
Conc: 23.19 ug/ml



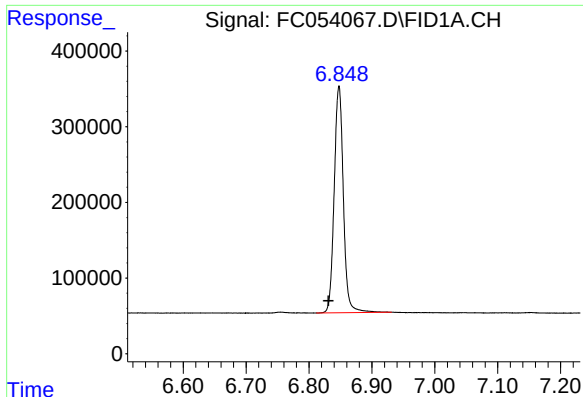
#3 A~Naphthalene (C11.7)

R.T.: 5.793 min
Delta R.T.: 0.016 min
Response: 2997609
Conc: 22.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.234 min
Delta R.T.: 0.015 min
Response: 2820118
Conc: 22.97 ug/ml



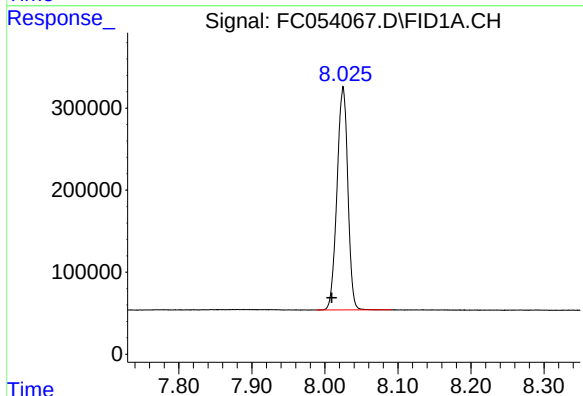
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.848 min
Delta R.T.: 0.017 min
Response: 3034154
Conc: 22.73 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

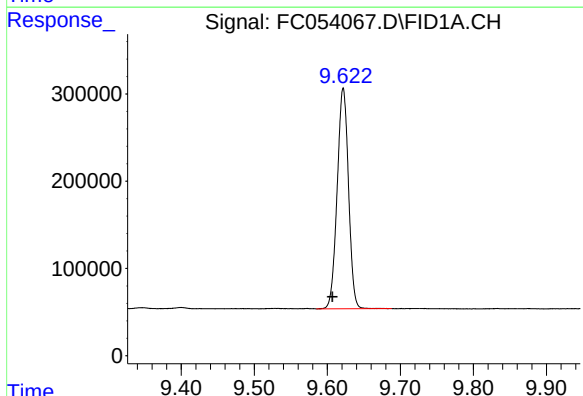
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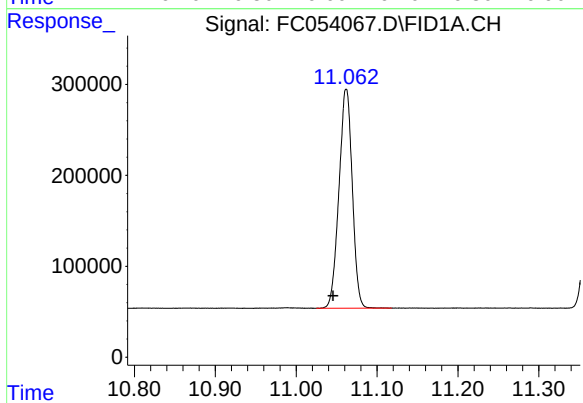
#6 n-Tetradecane (C14)

R.T.: 8.025 min
Delta R.T.: 0.015 min
Response: 2800835
Conc: 22.58 ug/ml



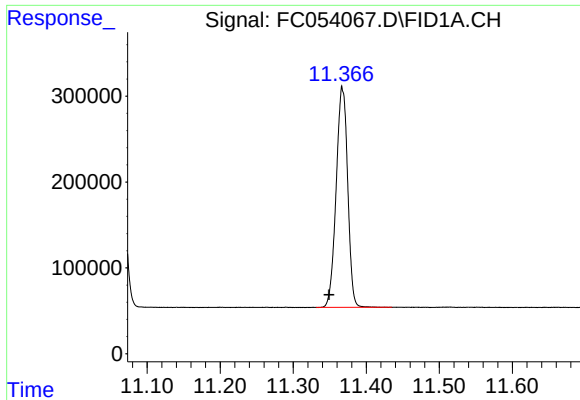
#7 n-Hexadecane (C16)

R.T.: 9.622 min
Delta R.T.: 0.015 min
Response: 2728615
Conc: 21.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.062 min
Delta R.T.: 0.016 min
Response: 2757005
Conc: 20.93 ug/ml



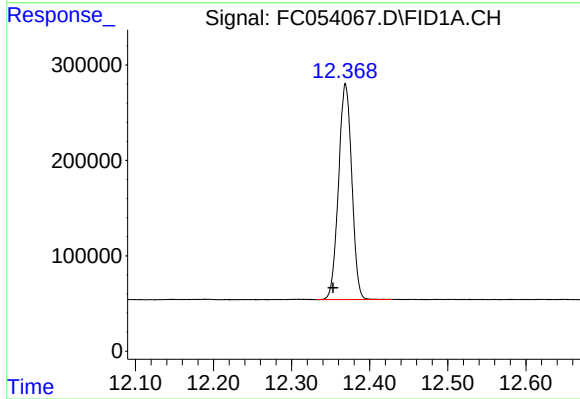
#9 ortho-Terphenyl (SURR)

R.T.: 11.367 min
Delta R.T.: 0.018 min
Response: 2815440
Conc: 20.16 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

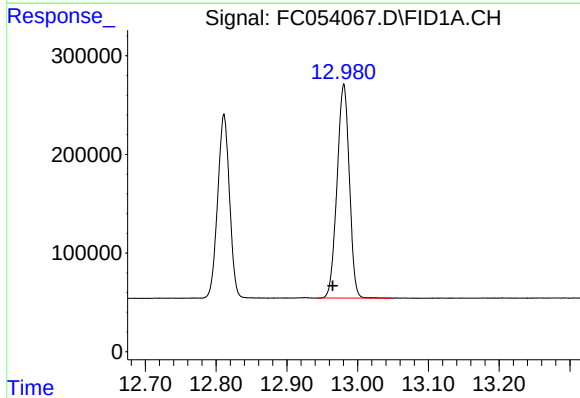
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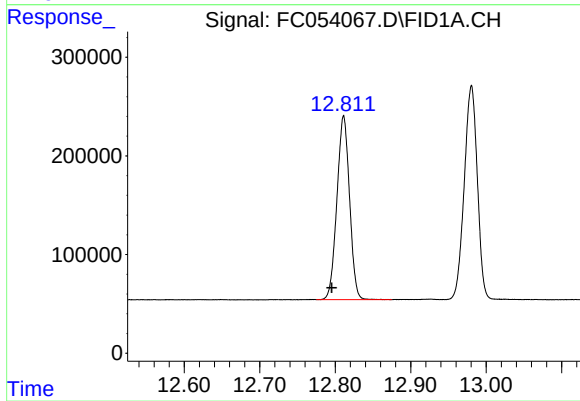
#10 n-Eicosane (C20)

R.T.: 12.369 min
Delta R.T.: 0.016 min
Response: 2668039
Conc: 19.91 ug/ml



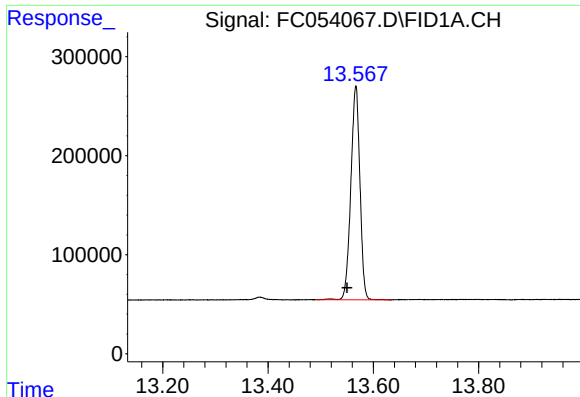
#11 n-Heneicosane (C21)

R.T.: 12.980 min
Delta R.T.: 0.016 min
Response: 2617604
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.811 min
Delta R.T.: 0.016 min
Response: 2165605
Conc: 19.32 ug/ml



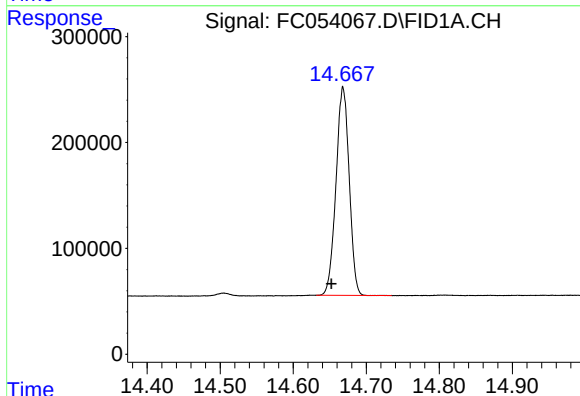
#13 n-Docosane (C22)

R.T.: 13.567 min
Delta R.T.: 0.016 min
Response: 2583669
Conc: 19.22 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

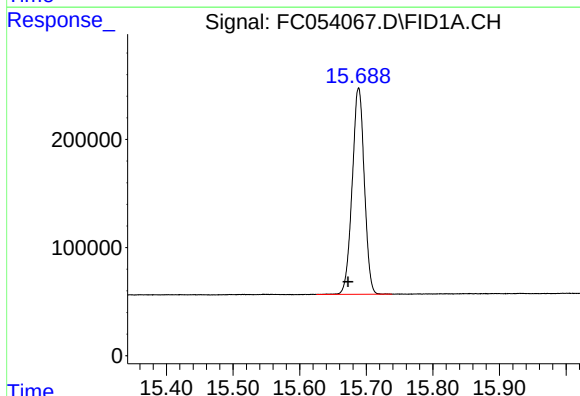
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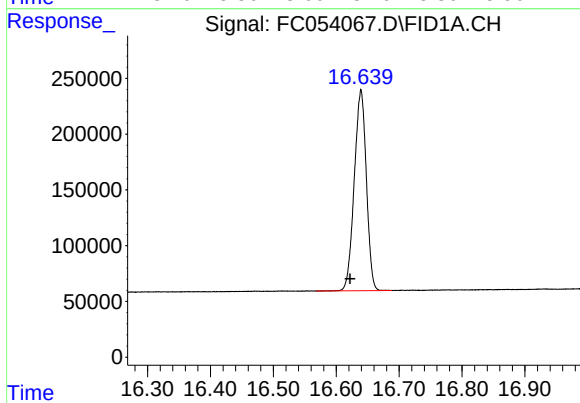
#14 n-Tetracosane (C24)

R.T.: 14.668 min
Delta R.T.: 0.016 min
Response: 2472126
Conc: 18.41 ug/ml



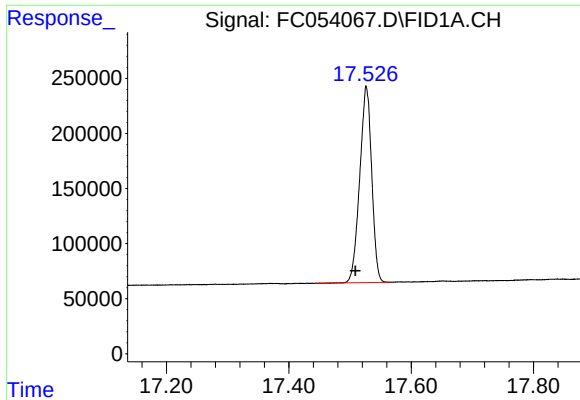
#15 n-Hexacosane (C26)

R.T.: 15.689 min
Delta R.T.: 0.016 min
Response: 2412449
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.639 min
Delta R.T.: 0.017 min
Response: 2400153
Conc: 18.18 ug/ml



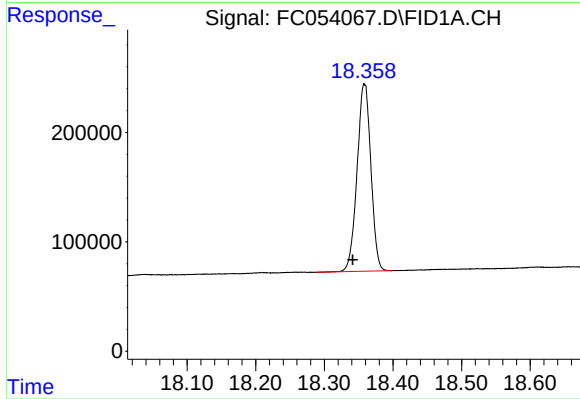
#17 n-Tricontane (C30)

R.T.: 17.527 min
Delta R.T.: 0.018 min
Response: 2417633
Conc: 18.44 ug/ml

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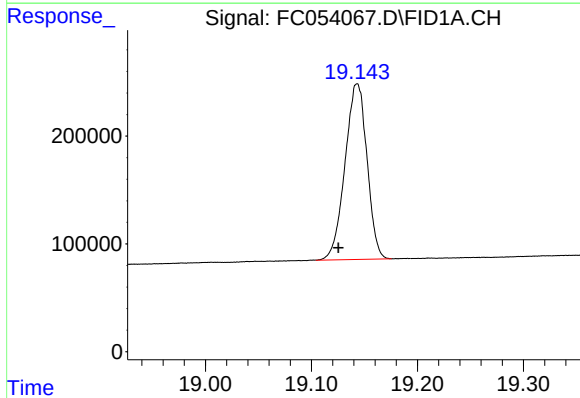
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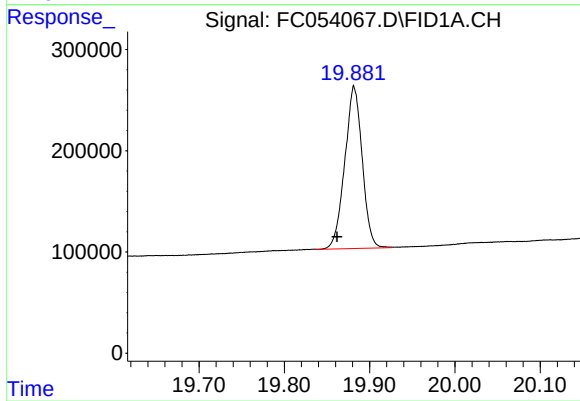
#18 n-Dotriacontane (C32)

R.T.: 18.358 min
Delta R.T.: 0.017 min
Response: 2397823
Conc: 18.59 ug/ml



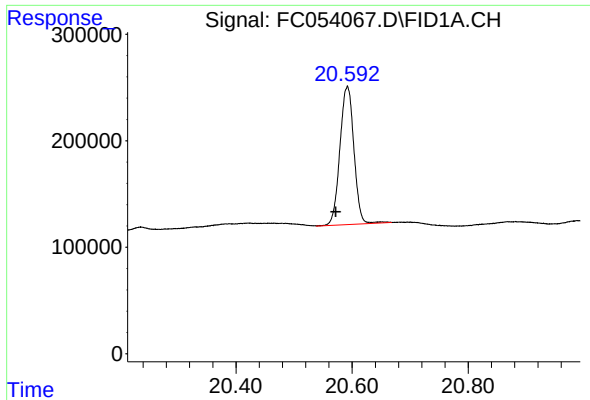
#19 n-Tetratriacontane (C34)

R.T.: 19.143 min
Delta R.T.: 0.018 min
Response: 2350864
Conc: 19.27 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.881 min
Delta R.T.: 0.019 min
Response: 2276227
Conc: 20.16 ug/ml m



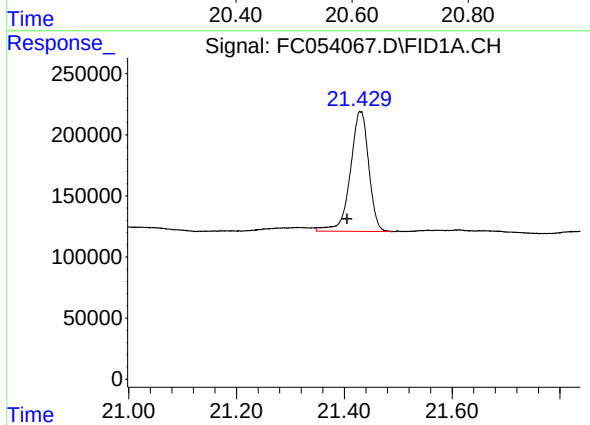
#21 n-Octatriacontane (C38)

R.T.: 20.591 min
Delta R.T.: 0.020 min
Response: 2171138
Conc: 21.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.429 min
Delta R.T.: 0.023 min
Response: 2323053
Conc: 23.02 ug/ml m