

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061121AL\
 Data File : FC054238.D
 Signal(s) : FID1A.CH
 Acq On : 12 Jun 2021 18:13
 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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 6/14/2021 12:26:14 PM

Integration File: autoint1.e
 Quant Time: Jun 14 01:36:18 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 061021.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 11 04:43:57 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)	11.347	3029318	19.948 ug/ml
Spiked Amount 50.000		Recovery =	39.90%
12) S 1-chlorooctadecane (S...	12.792	2311687	19.624 ug/ml
Spiked Amount 50.000		Recovery =	39.25%
Target Compounds			
1) T n-Nonane (C9)	3.158	2693296	20.929 ug/mlm
2) T n-Decane (C10)	4.214	2775759	21.654 ug/ml
3) T A~Naphthalene (C11.7)	5.780	3068995	21.247 ug/ml
4) T n-Dodecane (C12)	6.221	2796600	21.327 ug/ml
5) T A~2-methylnaphthalene...	6.832	3070383	21.267 ug/ml
6) T n-Tetradecane (C14)	8.010	2819536	21.266 ug/ml
7) T n-Hexadecane (C16)	9.606	2826158	20.893 ug/ml
8) T n-Octadecane (C18)	11.044	2848640	20.410 ug/ml
10) T n-Eicosane (C20)	12.351	2775358	19.989 ug/ml
11) T n-Heneicosane (C21)	12.961	2759915	19.757 ug/ml
13) T n-Docosane (C22)	13.547	2703374	19.537 ug/ml
14) T n-Tetracosane (C24)	14.648	2631686	19.110 ug/ml
15) T n-Hexacosane (C26)	15.668	2496204	18.532 ug/ml
16) T n-Octacosane (C28)	16.616	2417904	18.248 ug/ml
17) T n-Tricontane (C30)	17.503	2326459	18.100 ug/ml
18) T n-Dotriacontane (C32)	18.334	2234590	18.162 ug/mlm
19) T n-Tetratriacontane (C34)	19.117	2198892	18.796 ug/mlm
20) T n-Hexatriacontane (C36)	19.857	2145428	19.437 ug/ml
21) T n-Octatriacontane (C38)	20.565	2101258	20.555 ug/mlm
22) T n-Tetracontane (C40)	21.392	2146484	20.061 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

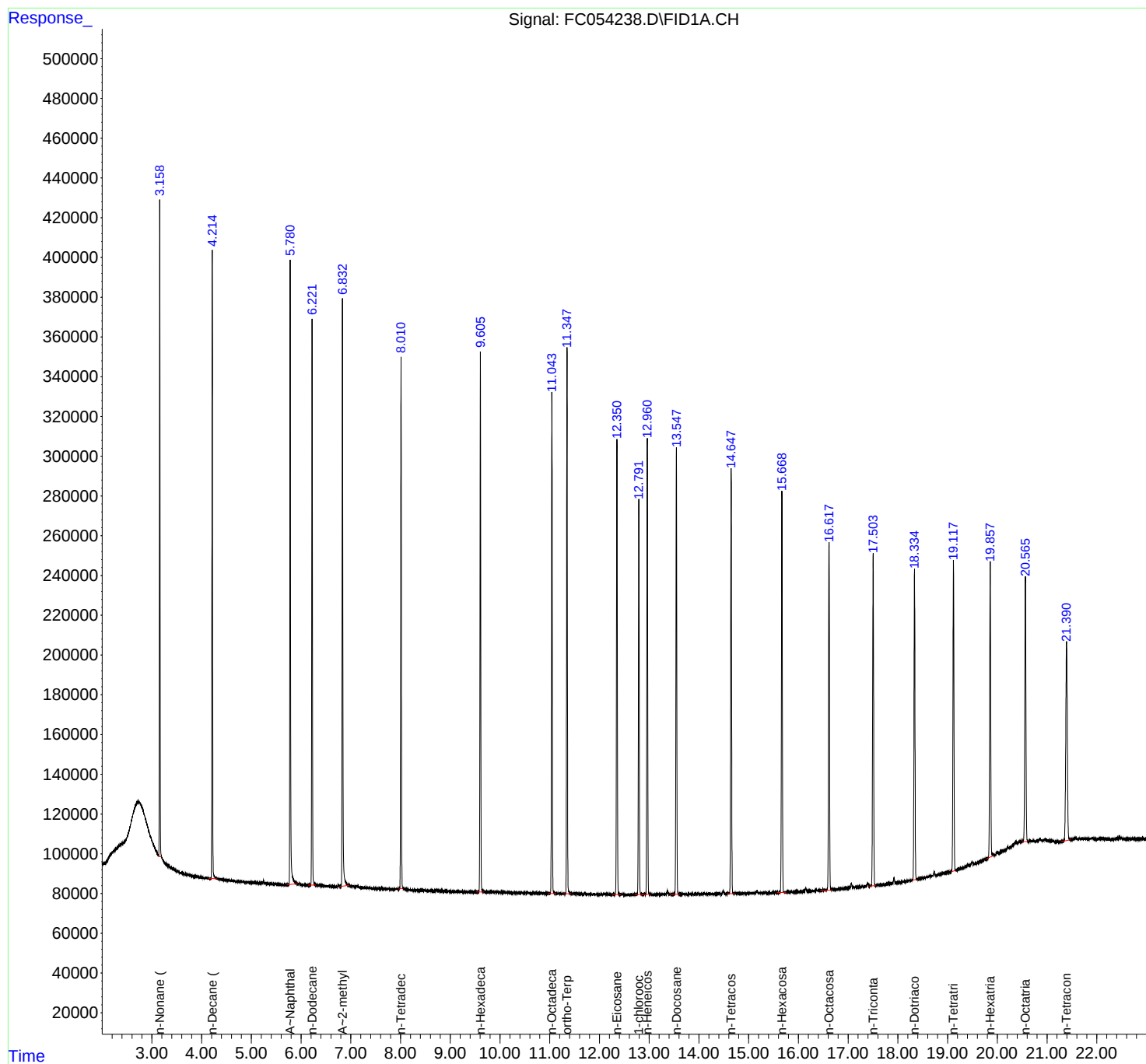
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

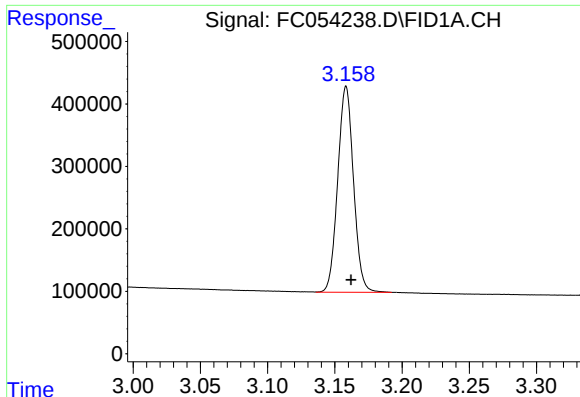
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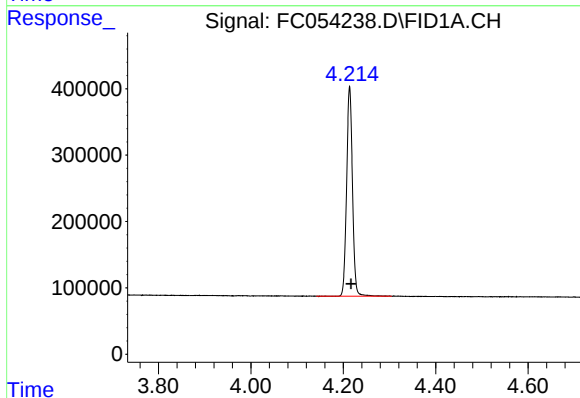
#1 n-Nonane (C9)

R.T.: 3.158 min
Delta R.T.: -0.004 min
Response: 2693296
Conc: 20.93 ug/ml m

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

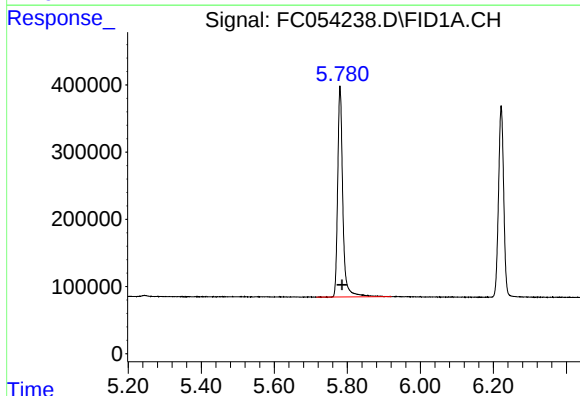
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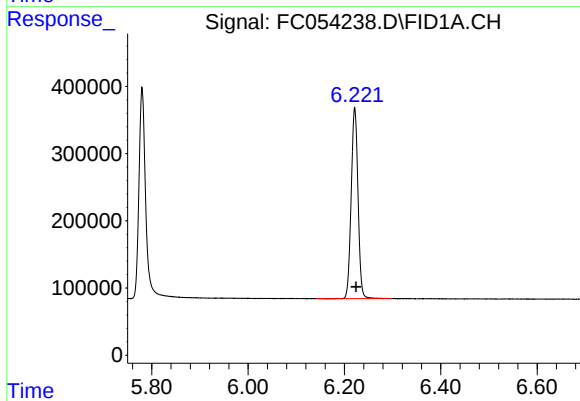
#2 n-Decane (C10)

R.T.: 4.214 min
Delta R.T.: -0.003 min
Response: 2775759
Conc: 21.65 ug/ml



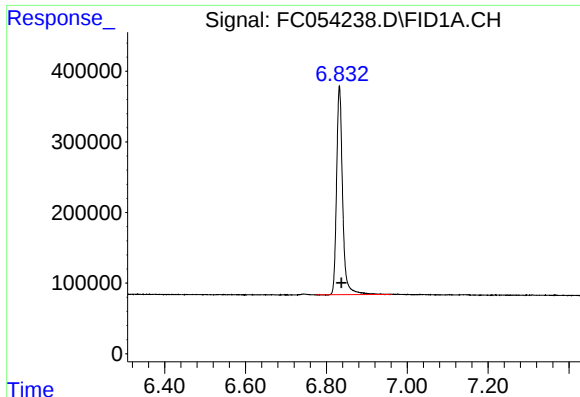
#3 A~Naphthalene (C11.7)

R.T.: 5.780 min
Delta R.T.: -0.005 min
Response: 3068995
Conc: 21.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.221 min
Delta R.T.: -0.002 min
Response: 2796600
Conc: 21.33 ug/ml



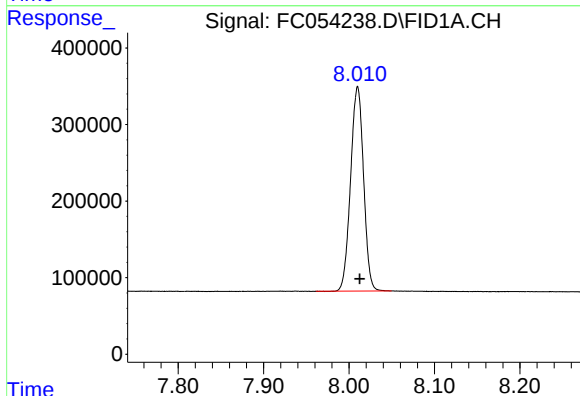
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.832 min
Delta R.T.: -0.005 min
Response: 3070383
Conc: 21.27 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

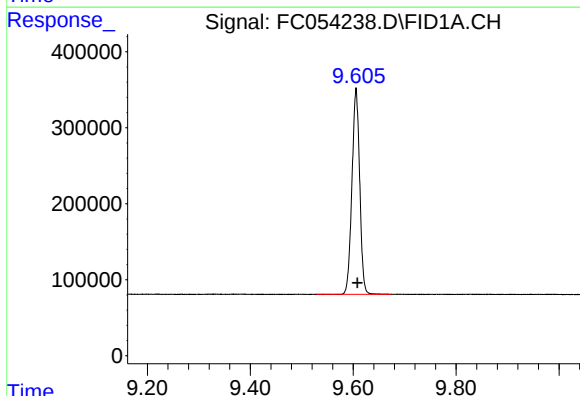
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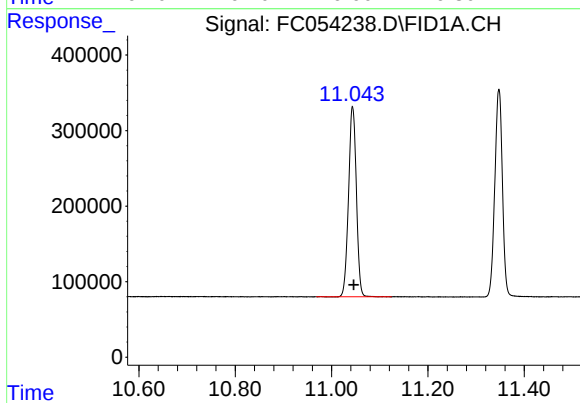
#6 n-Tetradecane (C14)

R.T.: 8.010 min
Delta R.T.: -0.002 min
Response: 2819536
Conc: 21.27 ug/ml



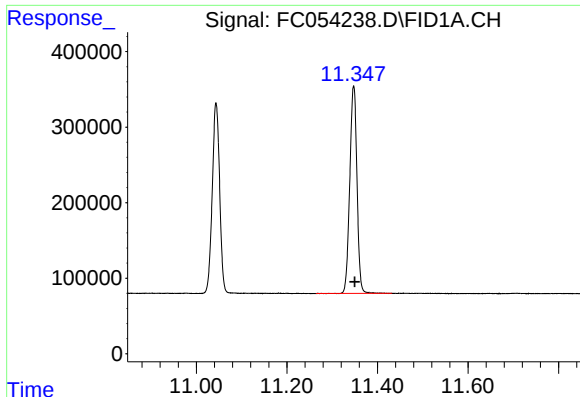
#7 n-Hexadecane (C16)

R.T.: 9.606 min
Delta R.T.: -0.003 min
Response: 2826158
Conc: 20.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.044 min
Delta R.T.: -0.003 min
Response: 2848640
Conc: 20.41 ug/ml



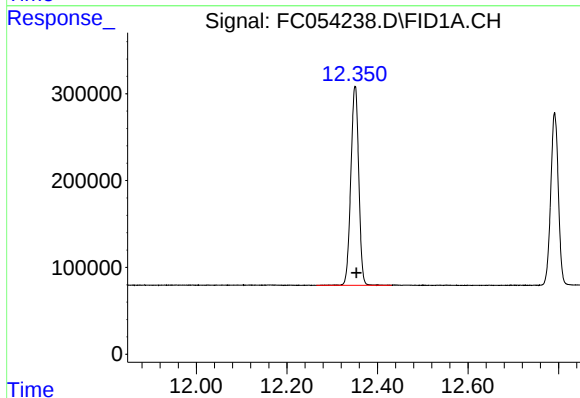
#9 ortho-Terphenyl (SURR)

R.T.: 11.347 min
Delta R.T.: -0.003 min
Response: 3029318
Conc: 19.95 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

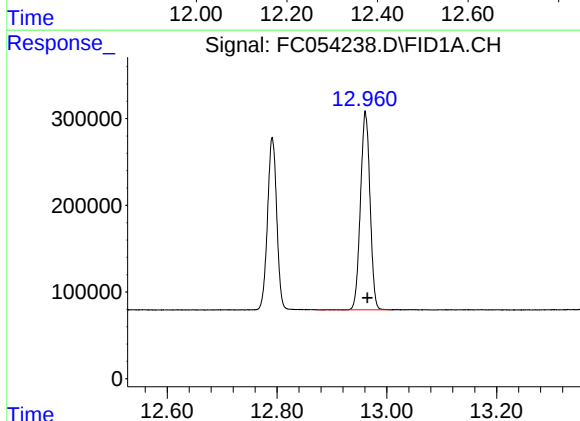
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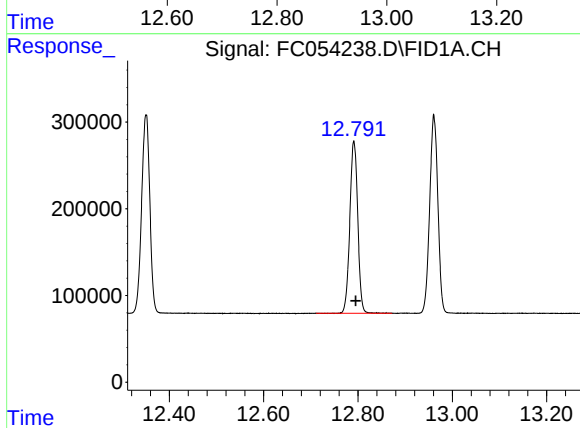
#10 n-Eicosane (C20)

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 2775358
Conc: 19.99 ug/ml



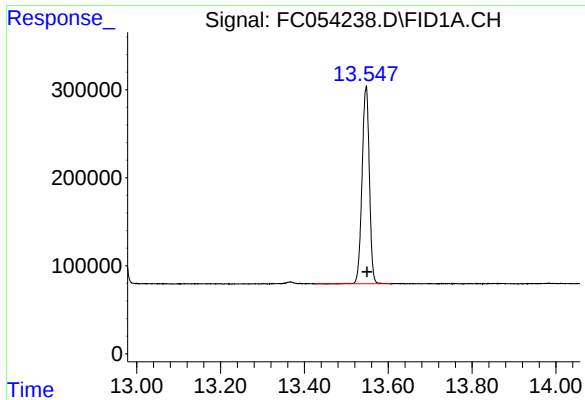
#11 n-Heneicosane (C21)

R.T.: 12.961 min
Delta R.T.: -0.003 min
Response: 2759915
Conc: 19.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.792 min
Delta R.T.: -0.003 min
Response: 2311687
Conc: 19.62 ug/ml



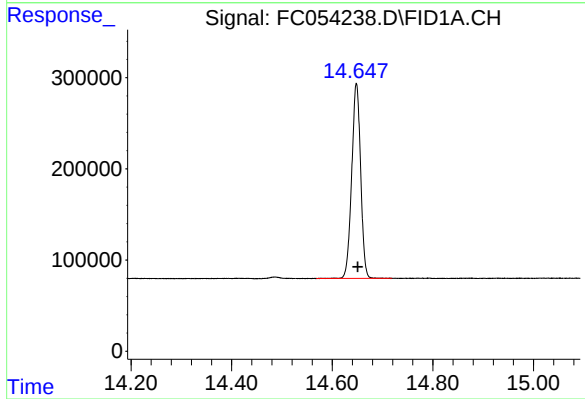
#13 n-Docosane (C22)

R.T.: 13.547 min
Delta R.T.: -0.002 min
Response: 2703374
Conc: 19.54 ug/ml

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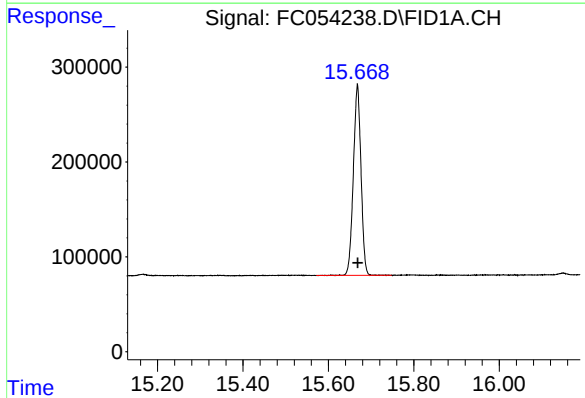
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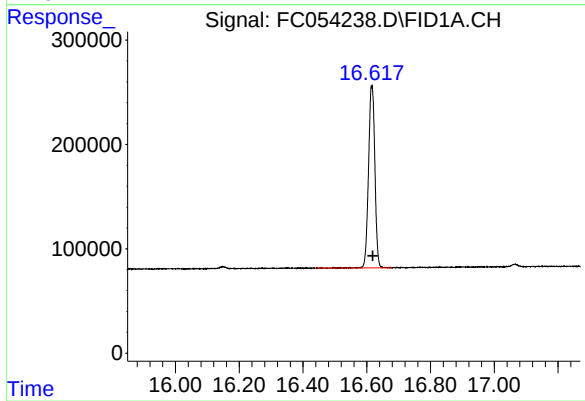
#14 n-Tetracosane (C24)

R.T.: 14.648 min
Delta R.T.: -0.003 min
Response: 2631686
Conc: 19.11 ug/ml



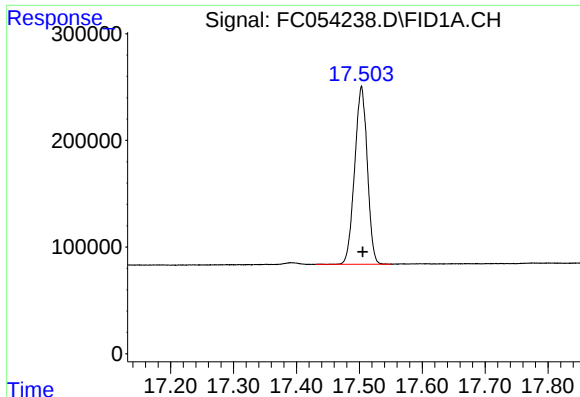
#15 n-Hexacosane (C26)

R.T.: 15.668 min
Delta R.T.: -0.001 min
Response: 2496204
Conc: 18.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.616 min
Delta R.T.: -0.003 min
Response: 2417904
Conc: 18.25 ug/ml



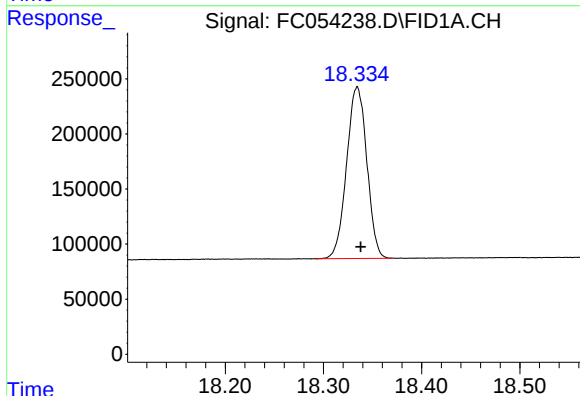
#17 n-Tricontane (C30)

R.T.: 17.503 min
Delta R.T.: -0.002 min
Response: 2326459
Conc: 18.10 ug/ml

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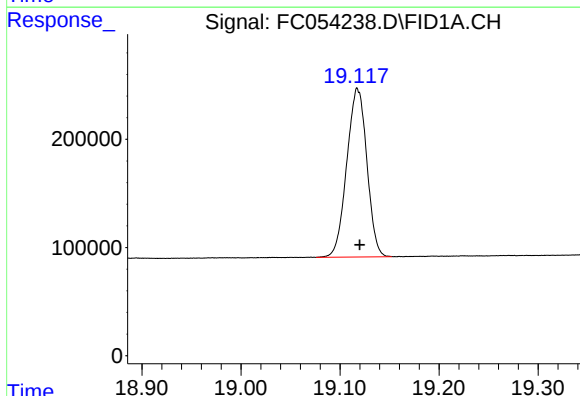
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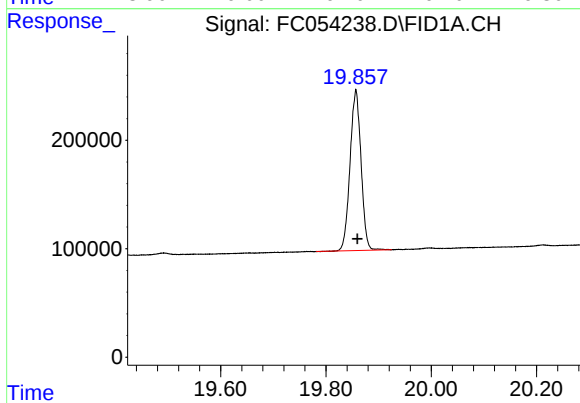
#18 n-Dotriacontane (C32)

R.T.: 18.334 min
Delta R.T.: -0.004 min
Response: 2234590
Conc: 18.16 ug/ml m



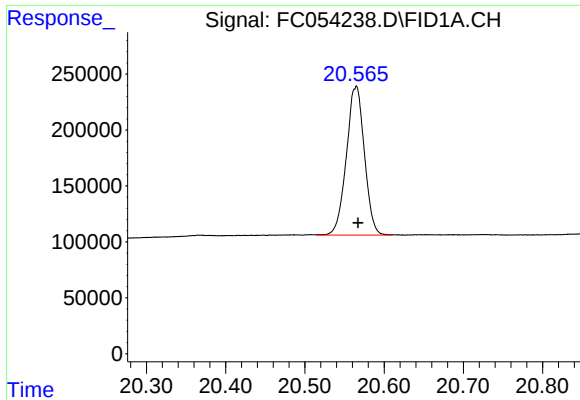
#19 n-Tetratriacontane (C34)

R.T.: 19.117 min
Delta R.T.: -0.003 min
Response: 2198892
Conc: 18.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.857 min
Delta R.T.: -0.003 min
Response: 2145428
Conc: 19.44 ug/ml



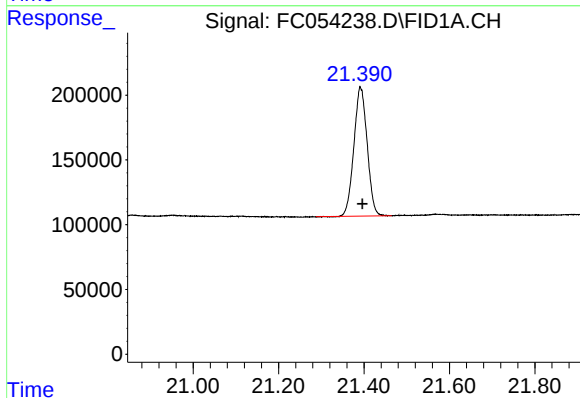
#21 n-Octatriacontane (C38)

R.T.: 20.565 min
Delta R.T.: -0.002 min
Response: 2101258
Conc: 20.56 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.392 min
Delta R.T.: -0.004 min
Response: 2146484
Conc: 20.06 ug/ml