

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062421AL\
 Data File : FC054423.D
 Signal(s) : FID1A.CH
 Acq On : 24 Jun 2021 12:23
 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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 6/25/2021 1:29:15 PM

Integration File: autoint1.e
 Quant Time: Jun 25 02:32:43 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)	11.335	2706405	17.822 ug/ml
Spiked Amount 50.000		Recovery =	35.64%
12) S 1-chlorooctadecane (S...	12.779	2060426	17.491 ug/ml
Spiked Amount 50.000		Recovery =	34.98%
Target Compounds			
1) T n-Nonane (C9)	3.149	2645781	20.559 ug/ml
2) T n-Decane (C10)	4.204	2691192	20.994 ug/ml
3) T A~Naphthalene (C11.7)	5.771	2896804	20.055 ug/ml
4) T n-Dodecane (C12)	6.212	2692971	20.536 ug/ml
5) T A~2-methylnaphthalene...	6.823	2882592	19.966 ug/ml
6) T n-Tetradecane (C14)	7.999	2682196	20.230 ug/ml
7) T n-Hexadecane (C16)	9.595	2637618	19.499 ug/ml
8) T n-Octadecane (C18)	11.032	2608733	18.691 ug/ml
10) T n-Eicosane (C20)	12.337	2488317	17.921 ug/ml
11) T n-Heneicosane (C21)	12.948	2465796	17.652 ug/ml
13) T n-Docosane (C22)	13.533	2398304	17.332 ug/ml
14) T n-Tetracosane (C24)	14.634	2342408	17.009 ug/ml
15) T n-Hexacosane (C26)	15.653	2244395	16.663 ug/ml
16) T n-Octacosane (C28)	16.601	2224671	16.789 ug/ml
17) T n-Tricontane (C30)	17.488	2247031	17.483 ug/ml
18) T n-Dotriacontane (C32)	18.319	2237538	18.186 ug/mlm
19) T n-Tetratriacontane (C34)	19.100	2227793	19.043 ug/mlm
20) T n-Hexatriacontane (C36)	19.840	2162137	19.588 ug/ml
21) T n-Octatriacontane (C38)	20.545	2096778	20.511 ug/mlm
22) T n-Tetracontane (C40)	21.368	2151068	20.104 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

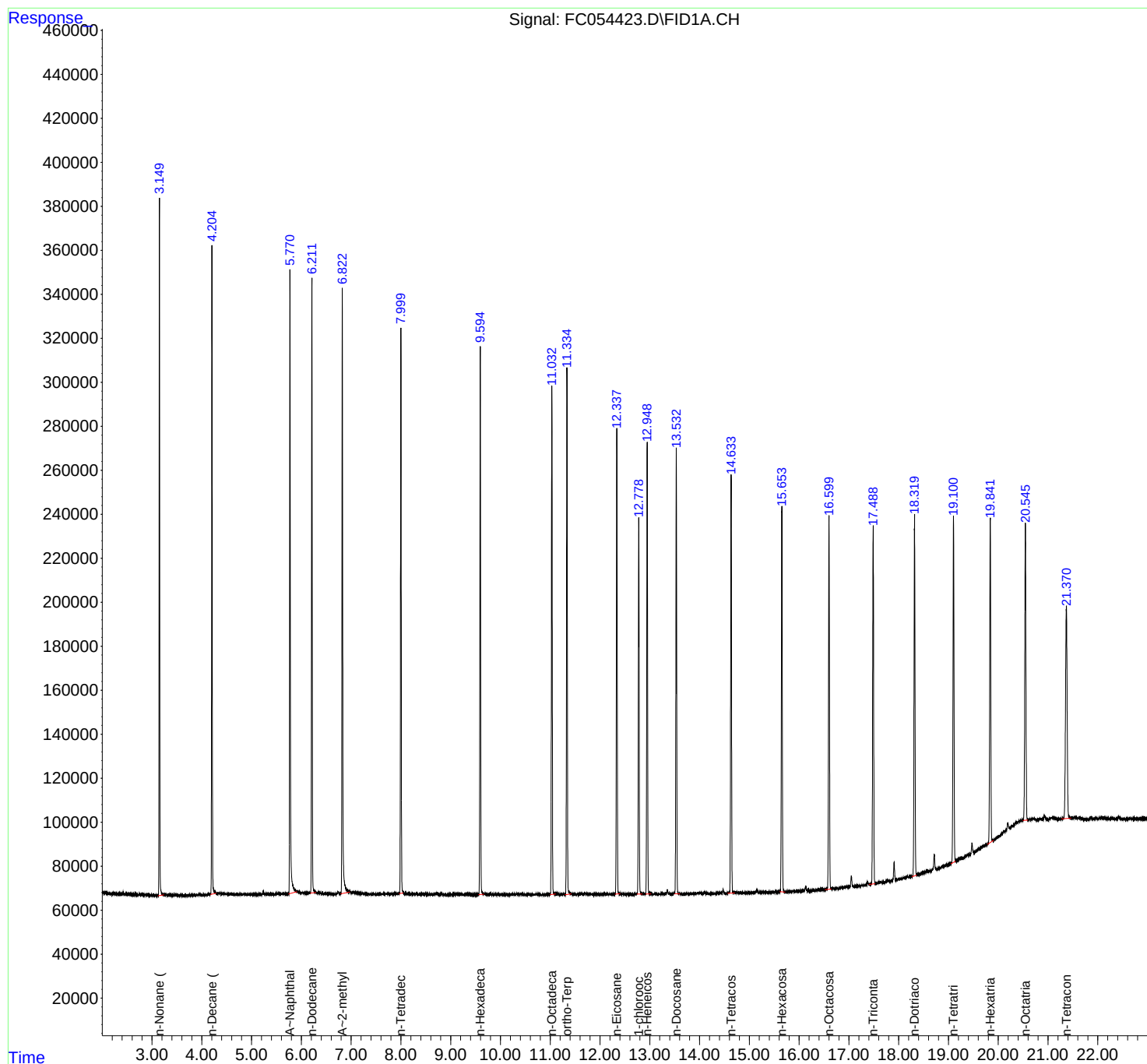
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

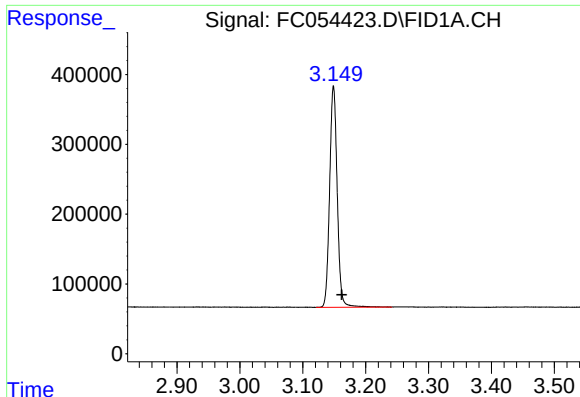
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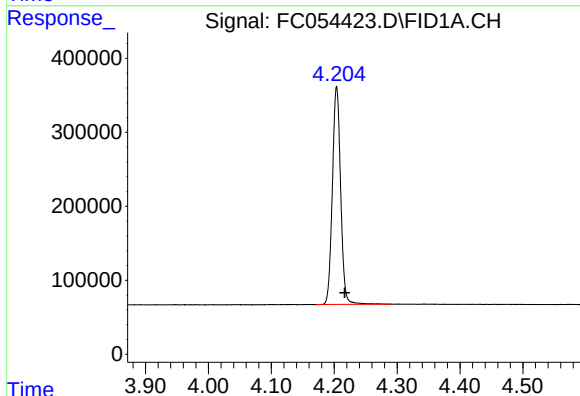
#1 n-Nonane (C9)

R.T.: 3.149 min
Delta R.T.: -0.013 min
Response: 2645781
Conc: 20.56 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

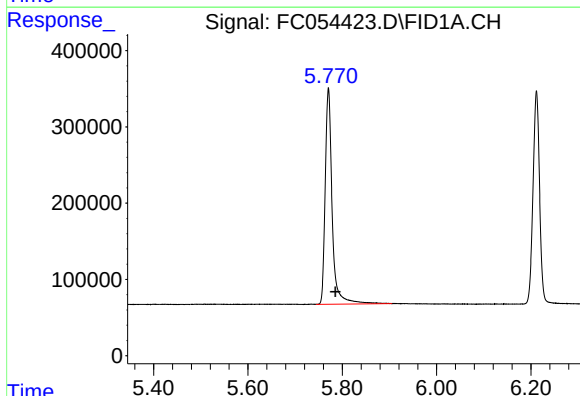
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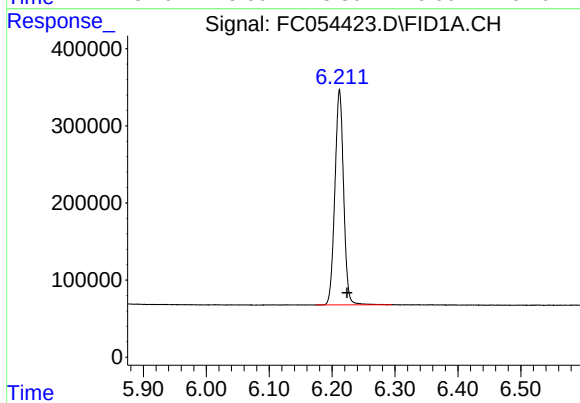
#2 n-Decane (C10)

R.T.: 4.204 min
Delta R.T.: -0.013 min
Response: 2691192
Conc: 20.99 ug/ml



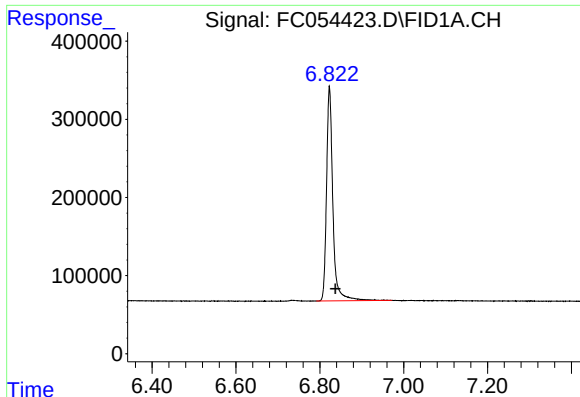
#3 A~Naphthalene (C11.7)

R.T.: 5.771 min
Delta R.T.: -0.015 min
Response: 2896804
Conc: 20.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.212 min
Delta R.T.: -0.012 min
Response: 2692971
Conc: 20.54 ug/ml



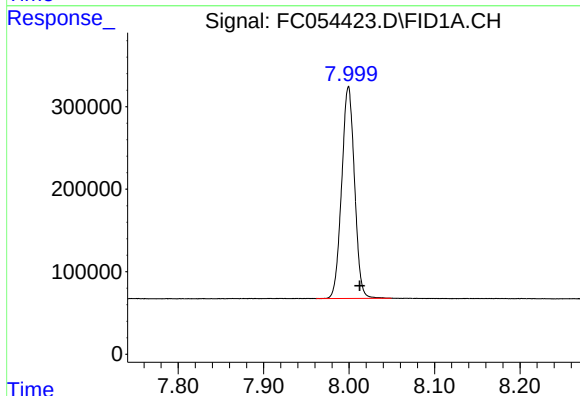
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.823 min
Delta R.T.: -0.014 min
Response: 2882592
Conc: 19.97 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

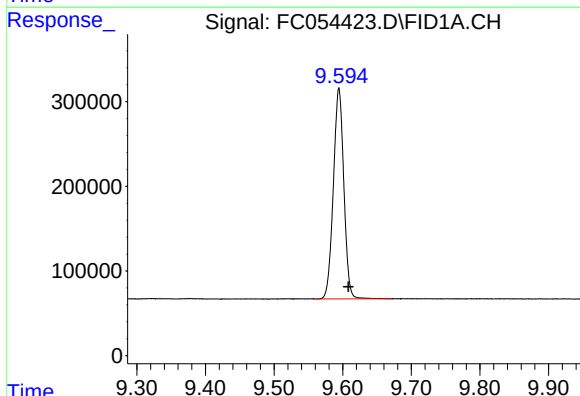
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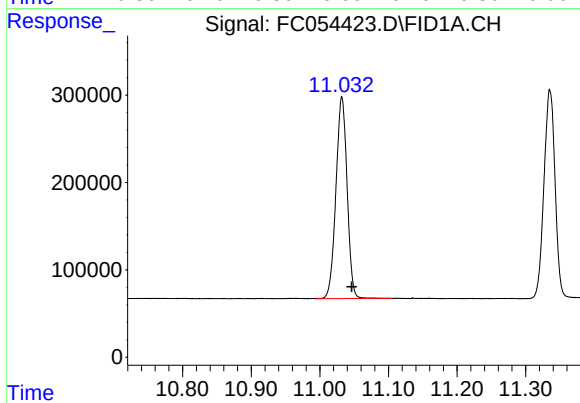
#6 n-Tetradecane (C14)

R.T.: 7.999 min
Delta R.T.: -0.013 min
Response: 2682196
Conc: 20.23 ug/ml



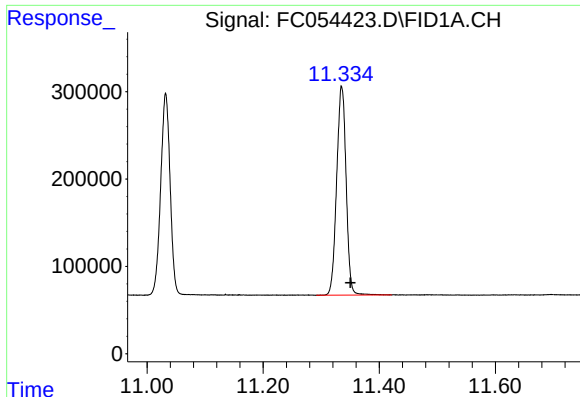
#7 n-Hexadecane (C16)

R.T.: 9.595 min
Delta R.T.: -0.014 min
Response: 2637618
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.032 min
Delta R.T.: -0.014 min
Response: 2608733
Conc: 18.69 ug/ml



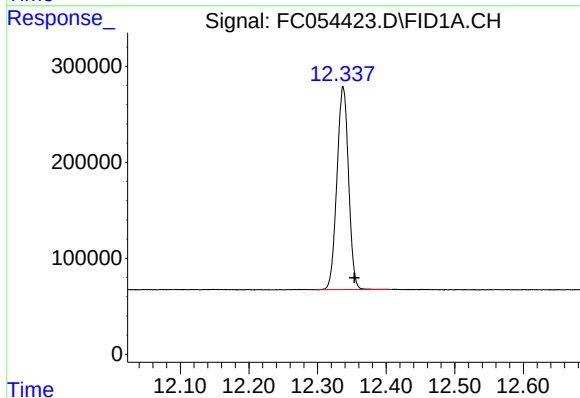
#9 ortho-Terphenyl (SURR)

R.T.: 11.335 min
Delta R.T.: -0.015 min
Response: 2706405
Conc: 17.82 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

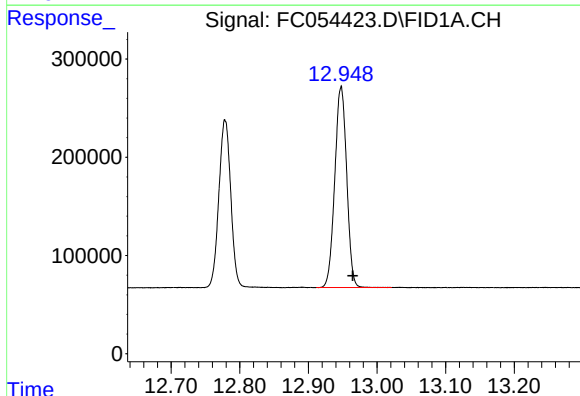
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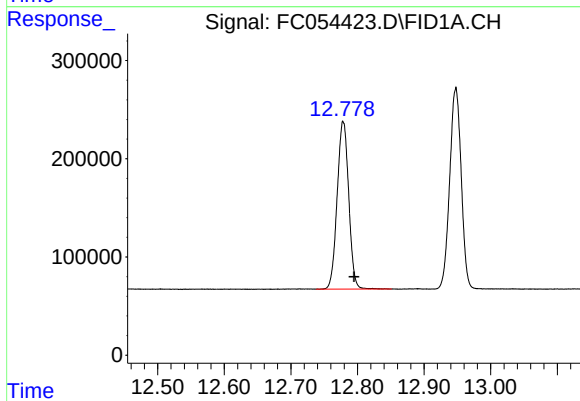
#10 n-Eicosane (C20)

R.T.: 12.337 min
Delta R.T.: -0.016 min
Response: 2488317
Conc: 17.92 ug/ml



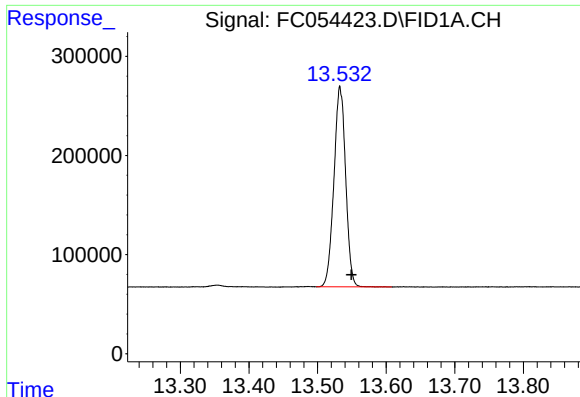
#11 n-Heneicosane (C21)

R.T.: 12.948 min
Delta R.T.: -0.017 min
Response: 2465796
Conc: 17.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.779 min
Delta R.T.: -0.016 min
Response: 2060426
Conc: 17.49 ug/ml



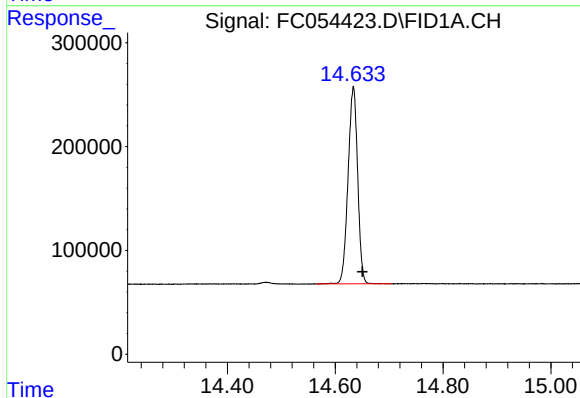
#13 n-Docosane (C22)

R.T.: 13.533 min
Delta R.T.: -0.016 min
Response: 2398304
Conc: 17.33 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

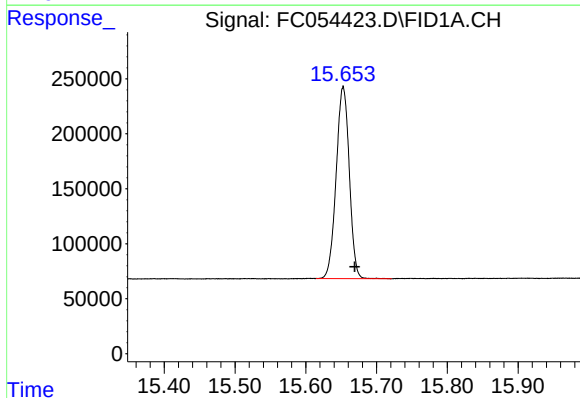
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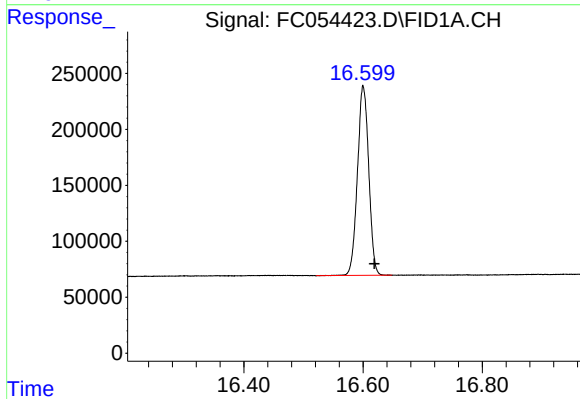
#14 n-Tetracosane (C24)

R.T.: 14.634 min
Delta R.T.: -0.017 min
Response: 2342408
Conc: 17.01 ug/ml



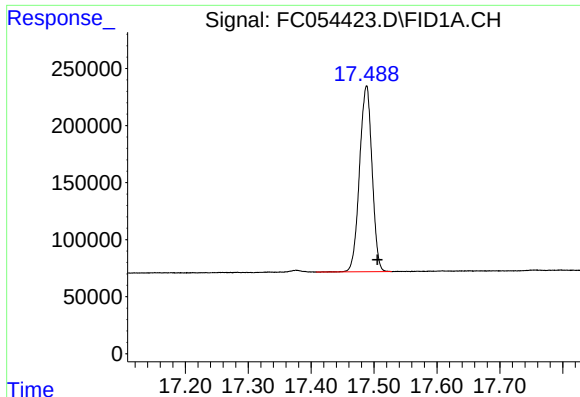
#15 n-Hexacosane (C26)

R.T.: 15.653 min
Delta R.T.: -0.016 min
Response: 2244395
Conc: 16.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.601 min
Delta R.T.: -0.018 min
Response: 2224671
Conc: 16.79 ug/ml



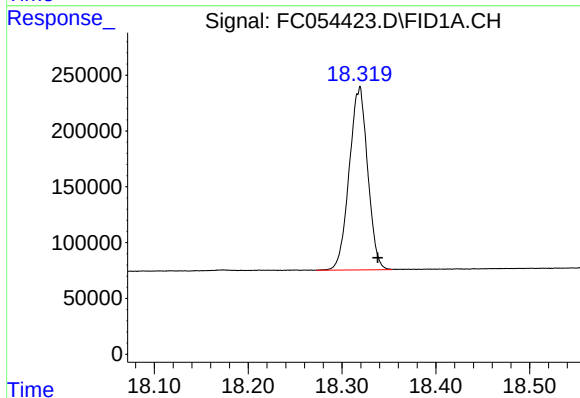
#17 n-Tricontane (C30)

R.T.: 17.488 min
Delta R.T.: -0.018 min
Response: 2247031
Conc: 17.48 ug/ml

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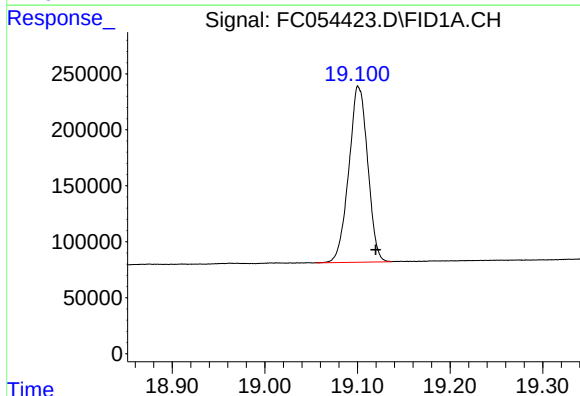
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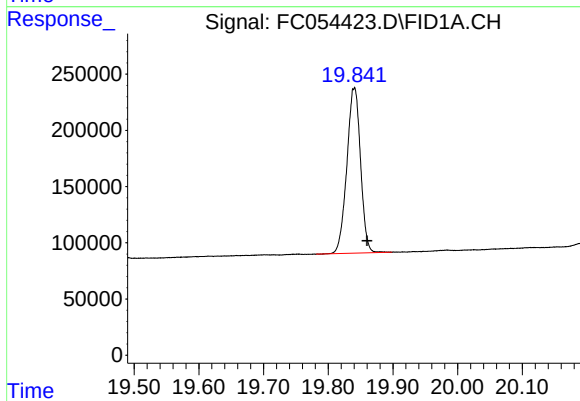
#18 n-Dotriacontane (C32)

R.T.: 18.319 min
Delta R.T.: -0.019 min
Response: 2237538
Conc: 18.19 ug/ml m



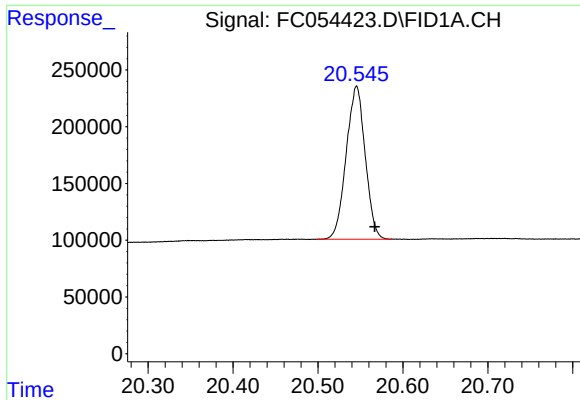
#19 n-Tetratriacontane (C34)

R.T.: 19.100 min
Delta R.T.: -0.020 min
Response: 2227793
Conc: 19.04 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.840 min
Delta R.T.: -0.020 min
Response: 2162137
Conc: 19.59 ug/ml



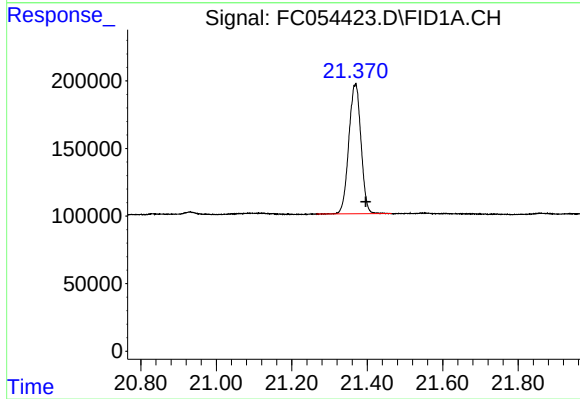
#21 n-Octatriacontane (C38)

R.T.: 20.545 min
Delta R.T.: -0.022 min
Response: 2096778
Conc: 20.51 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.368 min
Delta R.T.: -0.028 min
Response: 2151068
Conc: 20.10 ug/ml