

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101119AL\
 Data File : FC043952.D
 Signal(s) : FID1A.CH
 Acq On : 12 Oct 2019 18:33
 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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 10/14/2019 3:02:27 PM

Integration File: autoint1.e
 Quant Time: Oct 14 00:26:13 2019
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 092519.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 12 00:05:39 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)	11.568	2986051	19.673 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
12) S 1-chlorooctadecane (S...	12.988	2264196	19.097 ug/ml
Spiked Amount 50.000		Recovery =	38.19%
Target Compounds			
1) T n-Nonane (C9)	3.421	2801592	23.172 ug/ml
2) T n-Decane (C10)	4.473	2844237	23.498 ug/ml
3) T A~Naphthalene (C11.7)	6.053	2748870	23.348 ug/ml
4) T n-Dodecane (C12)	6.464	2956505	23.375 ug/ml
5) T A~2-methylnaphthalene...	7.097	2723831	22.604 ug/ml
6) T n-Tetradecane (C14)	8.237	2948283	22.905 ug/ml
7) T n-Hexadecane (C16)	9.820	2921916	22.191 ug/ml
8) T n-Octadecane (C18)	11.248	2863007	20.991 ug/ml
10) T n-Eicosane (C20)	12.545	2770284	19.848 ug/ml
11) T n-Heneicosane (C21)	13.152	2737463	19.262 ug/ml
13) T n-Docosane (C22)	13.733	2663708	18.747 ug/ml
14) T n-Tetracosane (C24)	14.827	2579051	17.965 ug/ml
15) T n-Hexacosane (C26)	15.842	2507420	17.535 ug/ml
16) T n-Octacosane (C28)	16.784	2487656	17.549 ug/ml
17) T n-Tricontane (C30)	17.666	2520404	17.971 ug/ml
18) T n-Dotriacontane (C32)	18.494	2475307	18.634 ug/ml
19) T n-Tetratriacontane (C34)	19.273	2444464	19.565 ug/ml
20) T n-Hexatriacontane (C36)	20.009	2363778	20.451 ug/mlm
21) T n-Octatriacontane (C38)	20.730	2255869	21.195 ug/ml
22) T n-Tetracontane (C40)	21.606	2353430	22.508 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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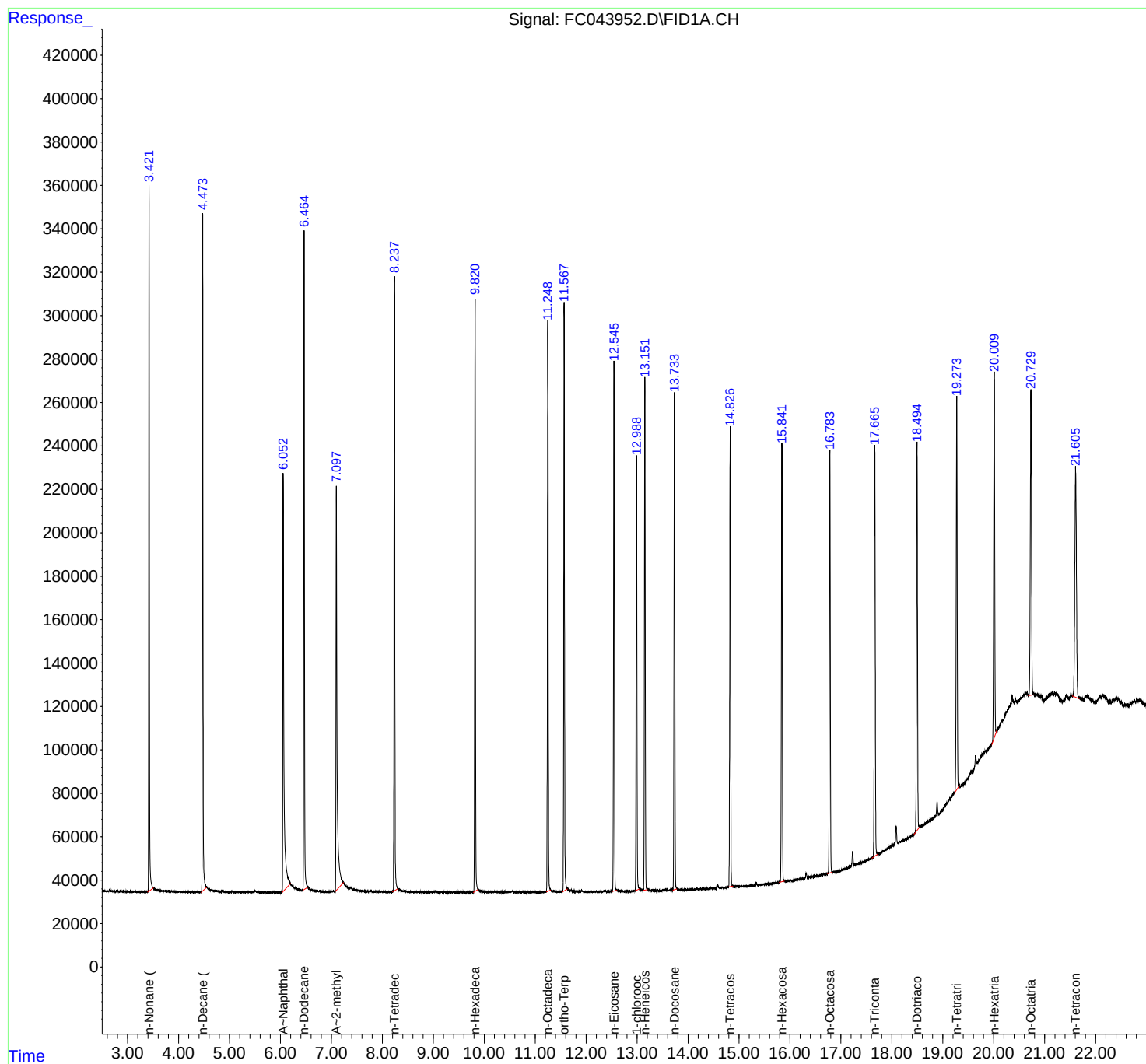
Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

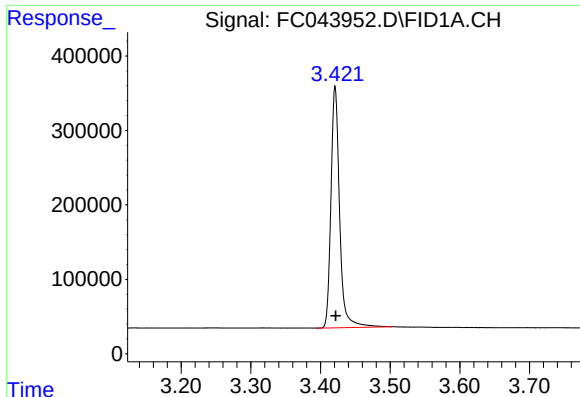
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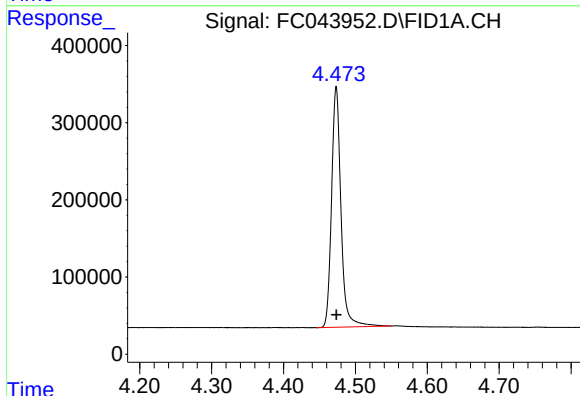
#1 n-Nonane (C9)

R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 2801592
Conc: 23.17 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

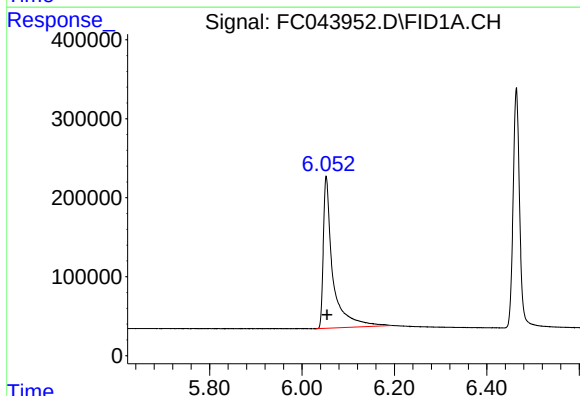
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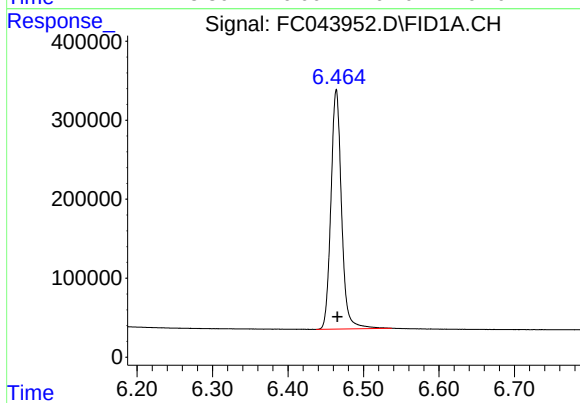
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 2844237
Conc: 23.50 ug/ml



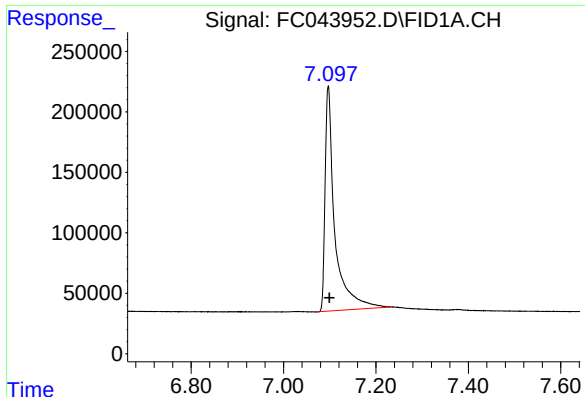
#3 A~Naphthalene (C11.7)

R.T.: 6.053 min
Delta R.T.: -0.002 min
Response: 2748870
Conc: 23.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.464 min
Delta R.T.: -0.002 min
Response: 2956505
Conc: 23.38 ug/ml



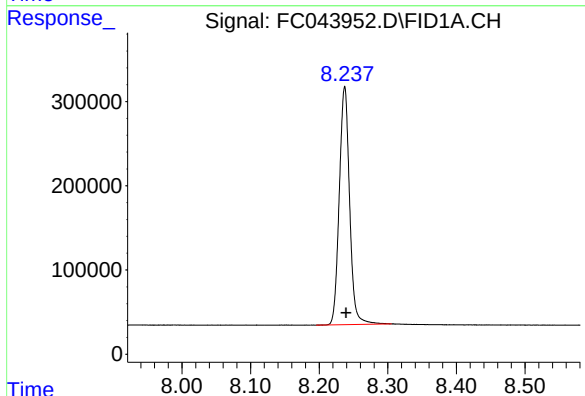
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.097 min
Delta R.T.: -0.002 min
Response: 2723831
Conc: 22.60 ug/ml

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20 PPM ALIPHATIC HC STD

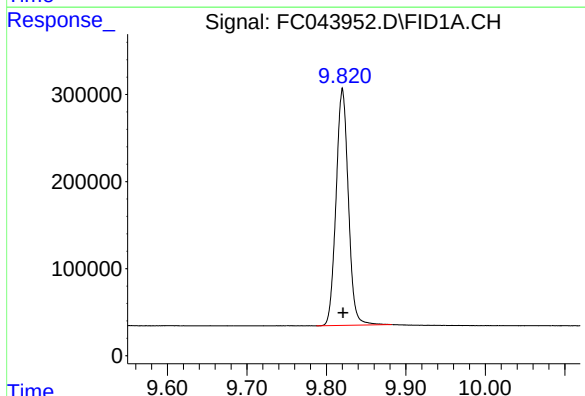
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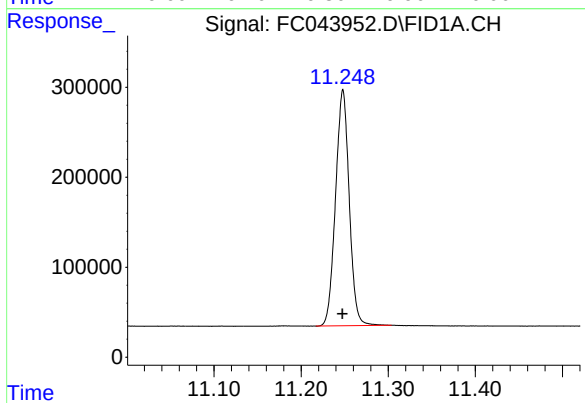
#6 n-Tetradecane (C14)

R.T.: 8.237 min
Delta R.T.: -0.002 min
Response: 2948283
Conc: 22.90 ug/ml



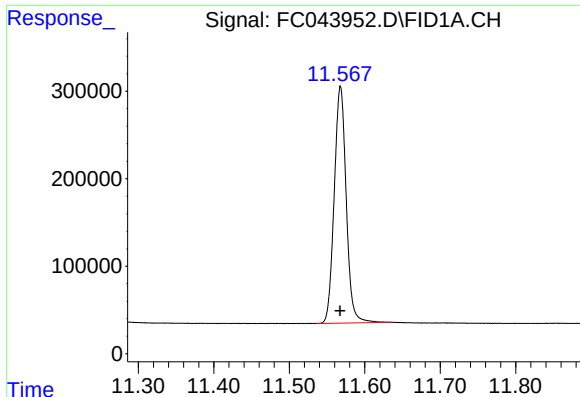
#7 n-Hexadecane (C16)

R.T.: 9.820 min
Delta R.T.: 0.000 min
Response: 2921916
Conc: 22.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 2863007
Conc: 20.99 ug/ml



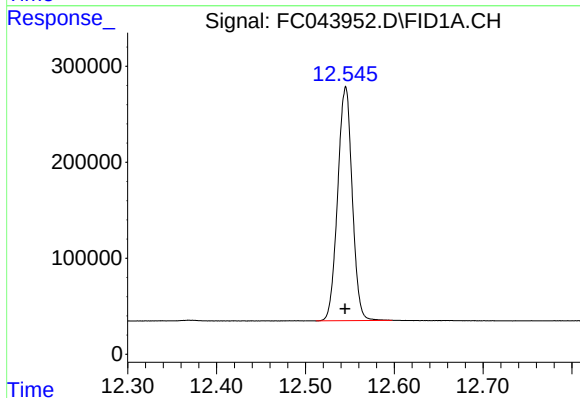
#9 ortho-Terphenyl (SURR)

R.T.: 11.568 min
Delta R.T.: 0.000 min
Response: 2986051
Conc: 19.67 ug/ml

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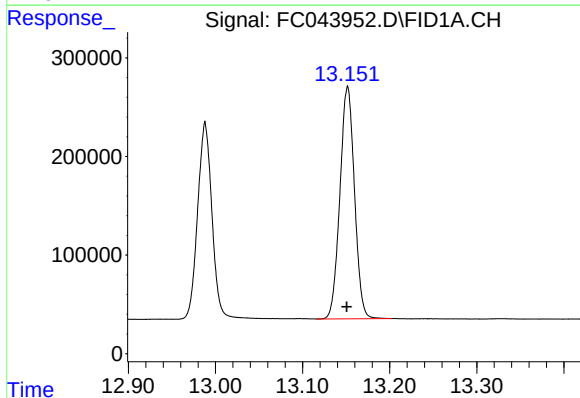
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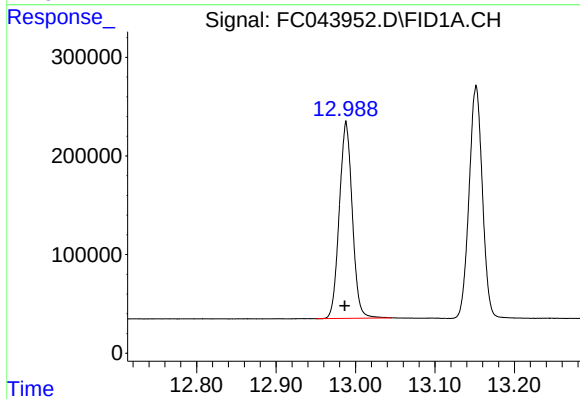
#10 n-Eicosane (C20)

R.T.: 12.545 min
Delta R.T.: 0.000 min
Response: 2770284
Conc: 19.85 ug/ml



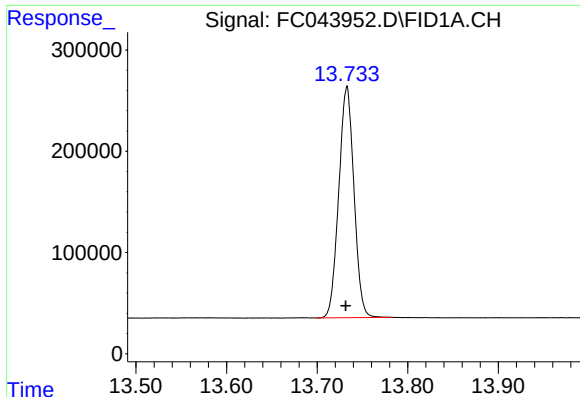
#11 n-Heneicosane (C21)

R.T.: 13.152 min
Delta R.T.: 0.000 min
Response: 2737463
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.988 min
Delta R.T.: 0.002 min
Response: 2264196
Conc: 19.10 ug/ml



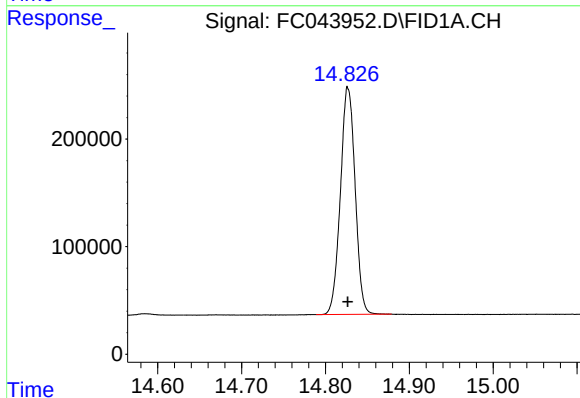
#13 n-Docosane (C22)

R.T.: 13.733 min
Delta R.T.: 0.001 min
Response: 2663708
Conc: 18.75 ug/ml

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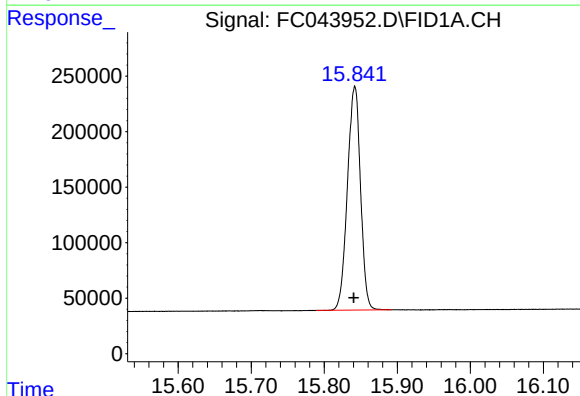
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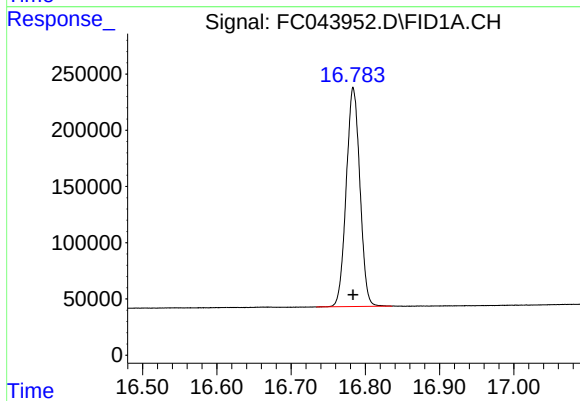
#14 n-Tetracosane (C24)

R.T.: 14.827 min
Delta R.T.: 0.000 min
Response: 2579051
Conc: 17.96 ug/ml



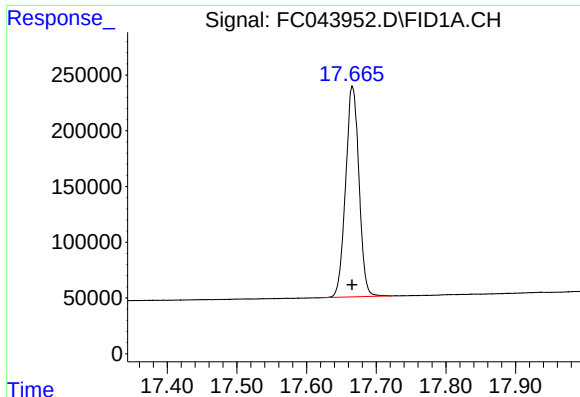
#15 n-Hexacosane (C26)

R.T.: 15.842 min
Delta R.T.: 0.001 min
Response: 2507420
Conc: 17.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.784 min
Delta R.T.: 0.000 min
Response: 2487656
Conc: 17.55 ug/ml



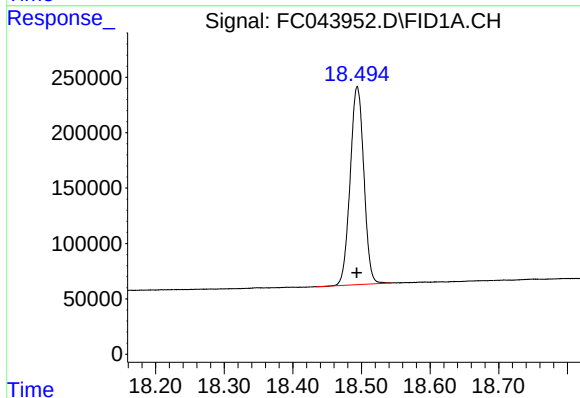
#17 n-Tricontane (C30)

R.T.: 17.666 min
Delta R.T.: 0.000 min
Response: 2520404
Conc: 17.97 ug/ml

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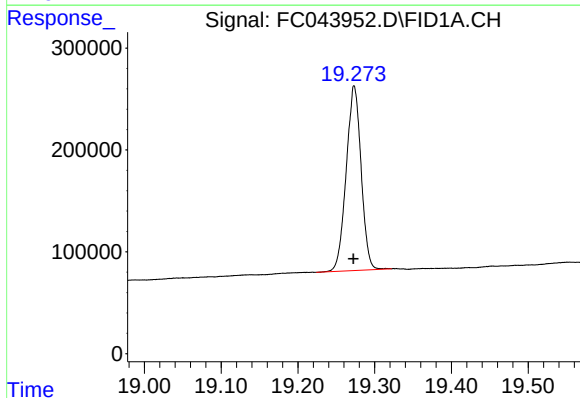
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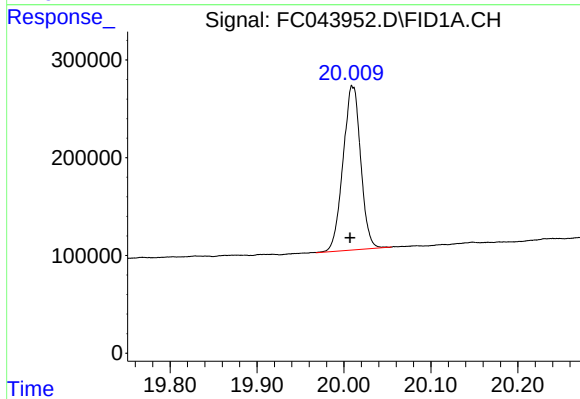
#18 n-Dotriacontane (C32)

R.T.: 18.494 min
Delta R.T.: 0.001 min
Response: 2475307
Conc: 18.63 ug/ml



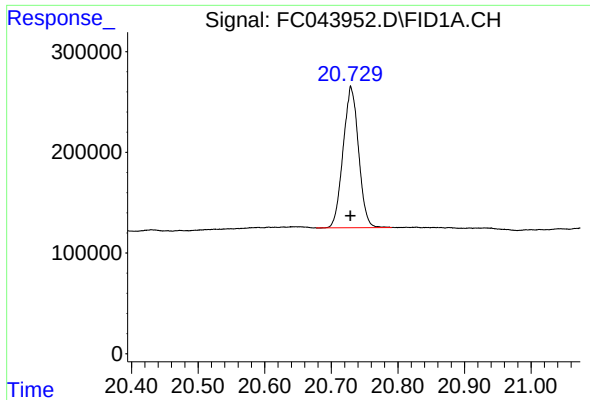
#19 n-Tetratriacontane (C34)

R.T.: 19.273 min
Delta R.T.: 0.000 min
Response: 2444464
Conc: 19.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.009 min
Delta R.T.: 0.002 min
Response: 2363778
Conc: 20.45 ug/ml m



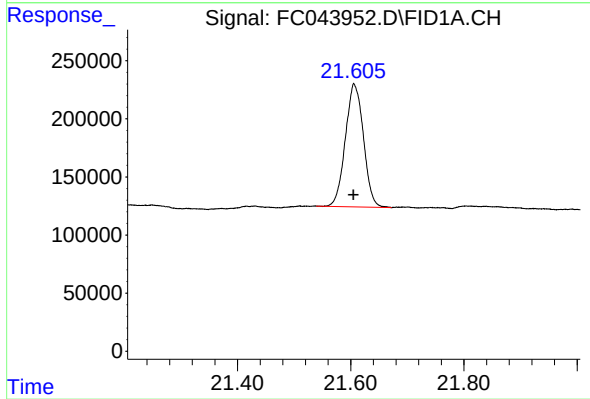
#21 n-Octatriacontane (C38)

R.T.: 20.730 min
Delta R.T.: 0.000 min
Response: 2255869
Conc: 21.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: 0.001 min
Response: 2353430
Conc: 22.51 ug/ml