

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062521AL\
 Data File : FC054453.D
 Signal(s) : FID1A.CH
 Acq On : 26 Jun 2021 1:11
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 6/28/2021 12:56:38 PM

Integration File: autoint1.e
 Quant Time: Jun 26 02:18:10 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Alaphatic EPH 062521.M
 Quant Title : GC Extractables
 QLast Update : Sat Jun 26 02:10:35 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)	11.331	2861014	20.209 ug/ml
Spiked Amount 50.000		Recovery =	40.42%
12) S 1-chlorooctadecane (S...	12.774	2260216	20.275 ug/ml
Spiked Amount 50.000		Recovery =	40.55%
Target Compounds			
1) T n-Nonane (C9)	3.145	2392599	20.346 ug/ml
2) T n-Decane (C10)	4.200	2403710	20.243 ug/ml
3) T A~Naphthalene (C11.7)	5.766	2682055	20.400 ug/ml
4) T n-Dodecane (C12)	6.207	2438140	20.343 ug/ml
5) T A~2-methylnaphthalene...	6.818	2705617	20.494 ug/ml
6) T n-Tetradecane (C14)	7.995	2472219	20.291 ug/ml
7) T n-Hexadecane (C16)	9.590	2526326	20.282 ug/ml
8) T n-Octadecane (C18)	11.028	2618083	20.270 ug/ml
10) T n-Eicosane (C20)	12.333	2634831	20.249 ug/ml
11) T n-Heneicosane (C21)	12.944	2680359	20.188 ug/ml
13) T n-Docosane (C22)	13.529	2680297	20.232 ug/ml
14) T n-Tetracosane (C24)	14.629	2738931	20.233 ug/ml
15) T n-Hexacosane (C26)	15.648	2737957	20.205 ug/ml
16) T n-Octacosane (C28)	16.595	2773911	20.210 ug/ml
17) T n-Tricontane (C30)	17.480	2774673	20.033 ug/ml
18) T n-Dotriacontane (C32)	18.314	2731980	19.969 ug/ml
19) T n-Tetratriacontane (C34)	19.095	2660169	19.688 ug/ml
20) T n-Hexatriacontane (C36)	19.834	2502934	20.277 ug/mlm
21) T n-Octatriacontane (C38)	20.539	2299031	20.324 ug/ml
22) T n-Tetracontane (C40)	21.359	2305311	20.396 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 : 13 Sample Multiplier: 1

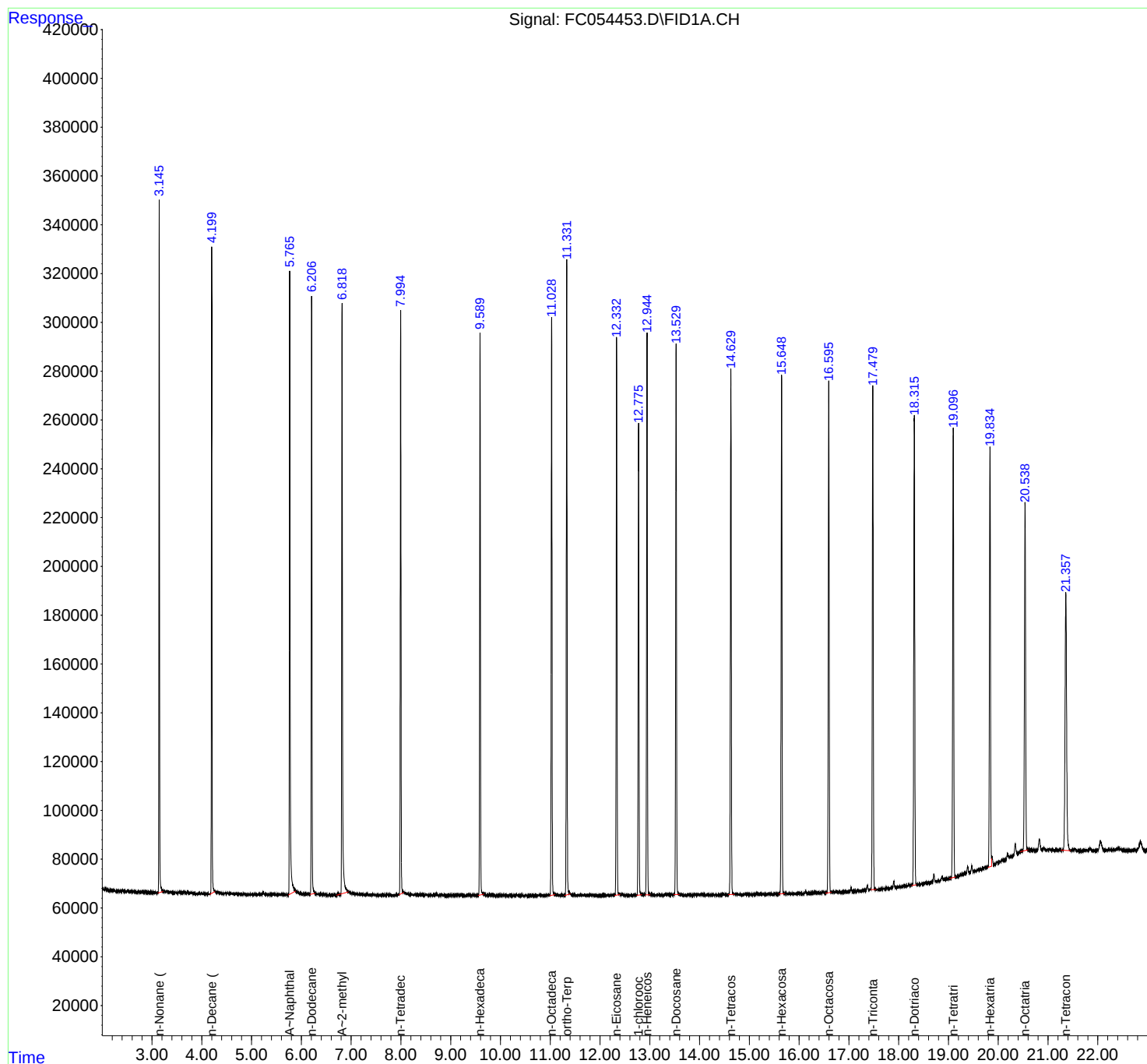
Instrument :
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20 PPM ALIPHATIC HC STD

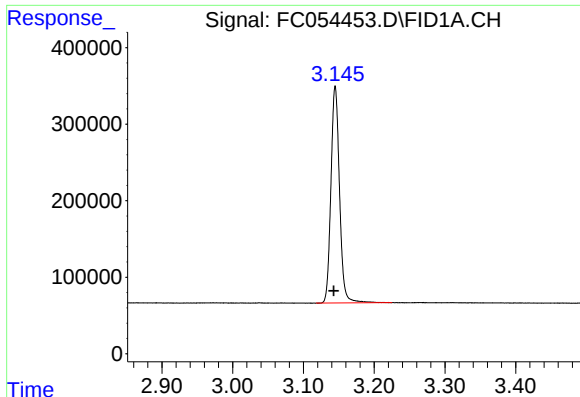
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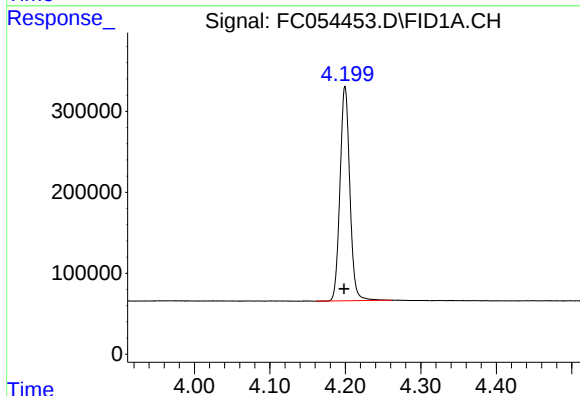
#1 n-Nonane (C9)

R.T.: 3.145 min
Delta R.T.: 0.002 min
Response: 2392599
Conc: 20.35 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

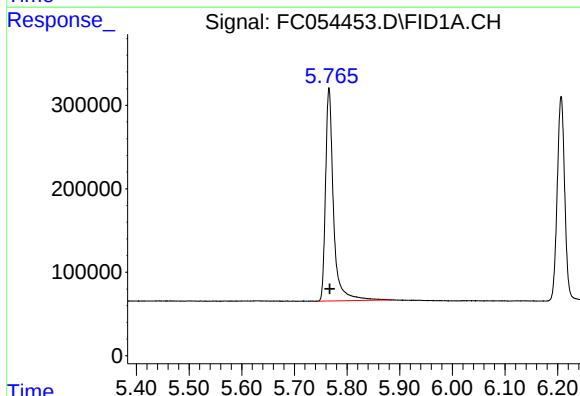
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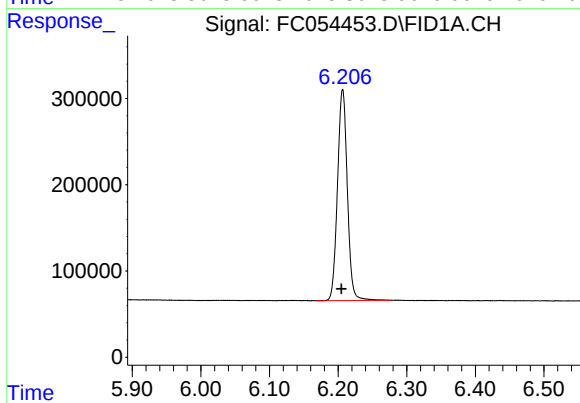
#2 n-Decane (C10)

R.T.: 4.200 min
Delta R.T.: 0.002 min
Response: 2403710
Conc: 20.24 ug/ml



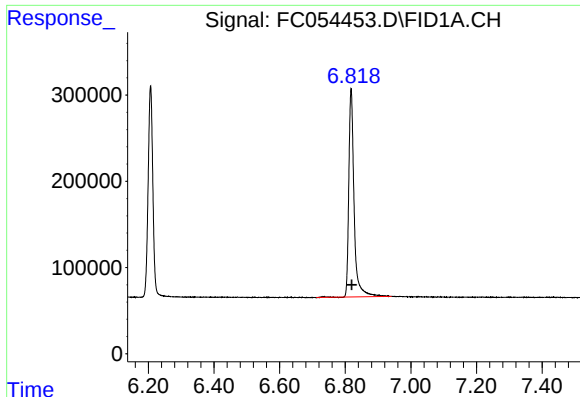
#3 A~Naphthalene (C11.7)

R.T.: 5.766 min
Delta R.T.: -0.001 min
Response: 2682055
Conc: 20.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.207 min
Delta R.T.: 0.002 min
Response: 2438140
Conc: 20.34 ug/ml



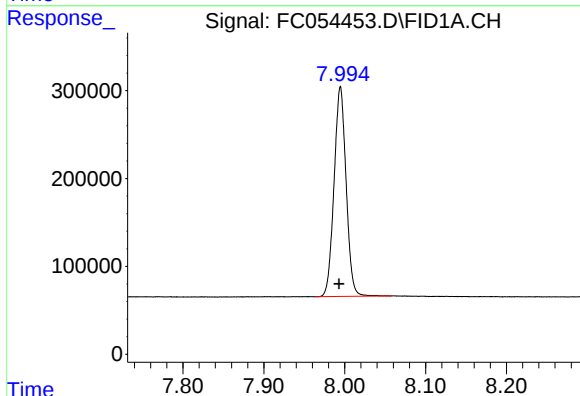
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.818 min
Delta R.T.: -0.001 min
Response: 2705617
Conc: 20.49 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

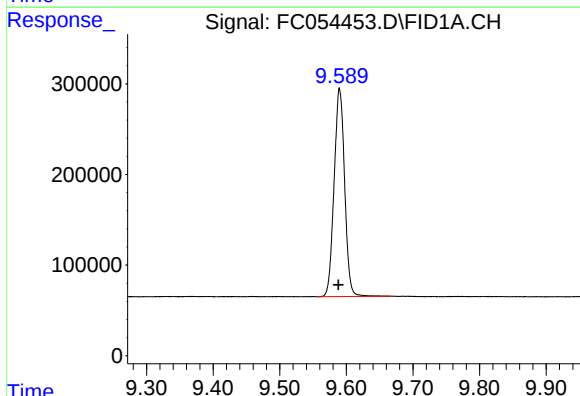
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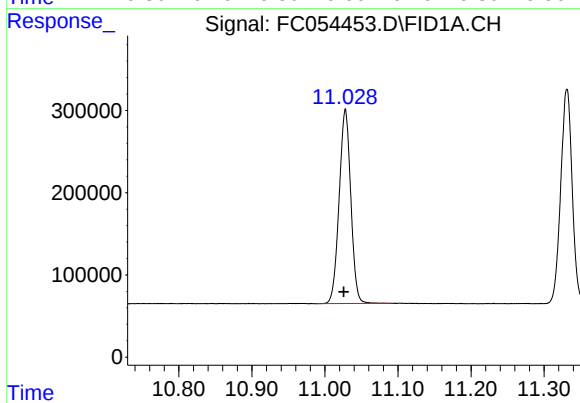
#6 n-Tetradecane (C14)

R.T.: 7.995 min
Delta R.T.: 0.002 min
Response: 2472219
Conc: 20.29 ug/ml



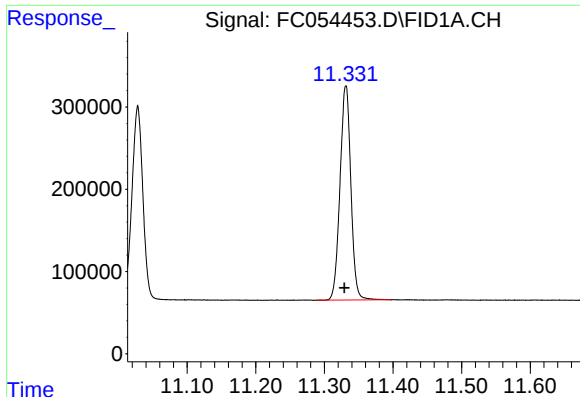
#7 n-Hexadecane (C16)

R.T.: 9.590 min
Delta R.T.: 0.002 min
Response: 2526326
Conc: 20.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.028 min
Delta R.T.: 0.002 min
Response: 2618083
Conc: 20.27 ug/ml



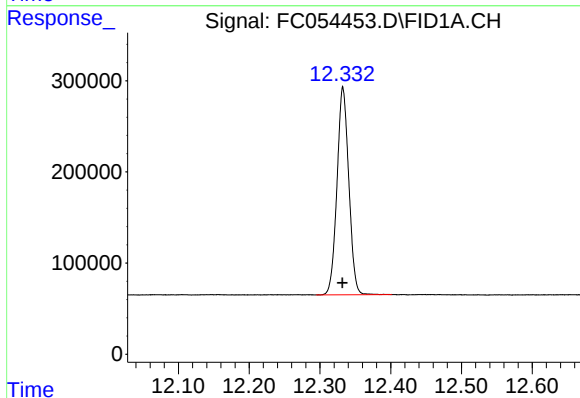
#9 ortho-Terphenyl (SURR)

R.T.: 11.331 min
Delta R.T.: 0.002 min
Response: 2861014
Conc: 20.21 ug/ml

Instrument :
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ClientSampleId :
20 PPM ALIPHATIC HC STD

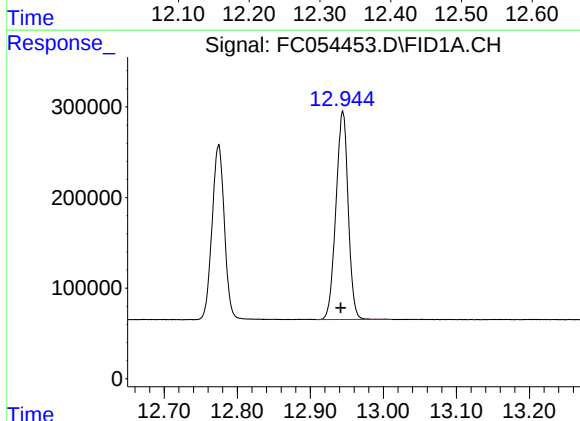
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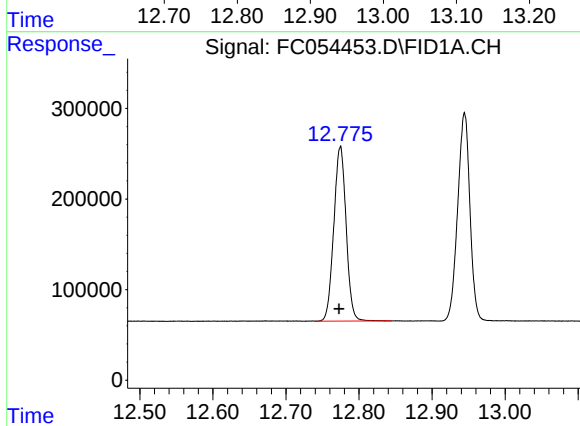
#10 n-Eicosane (C20)

R.T.: 12.333 min
Delta R.T.: 0.000 min
Response: 2634831
Conc: 20.25 ug/ml



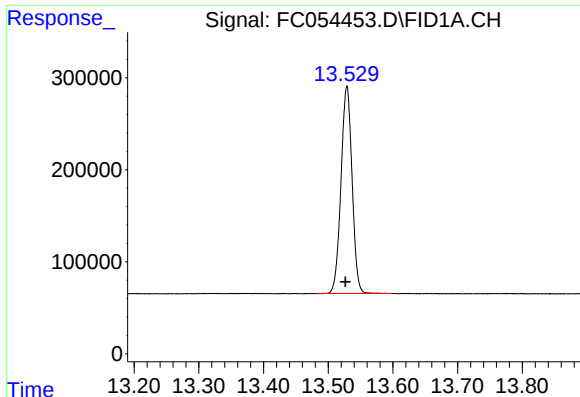
#11 n-Heneicosane (C21)

R.T.: 12.944 min
Delta R.T.: 0.003 min
Response: 2680359
Conc: 20.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.774 min
Delta R.T.: 0.002 min
Response: 2260216
Conc: 20.28 ug/ml



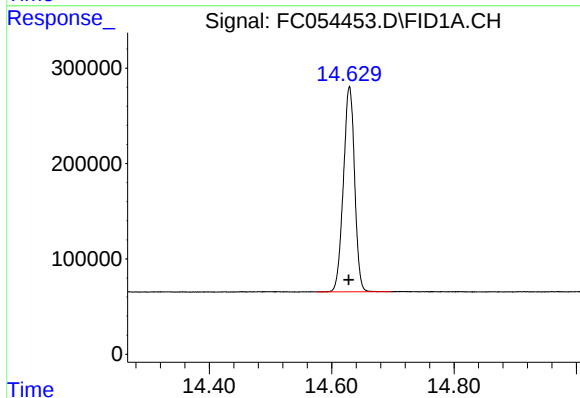
#13 n-Docosane (C22)

R.T.: 13.529 min
Delta R.T.: 0.002 min
Response: 2680297
Conc: 20.23 ug/ml

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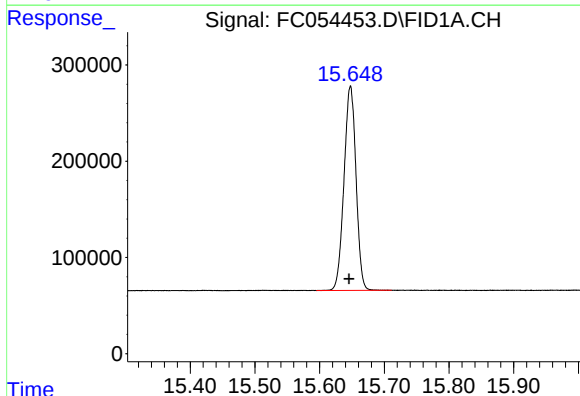
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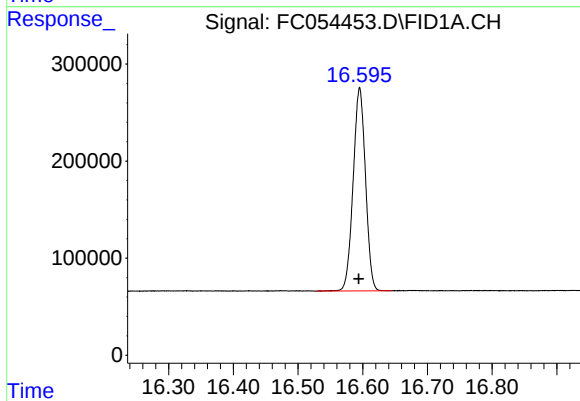
#14 n-Tetracosane (C24)

R.T.: 14.629 min
Delta R.T.: 0.001 min
Response: 2738931
Conc: 20.23 ug/ml



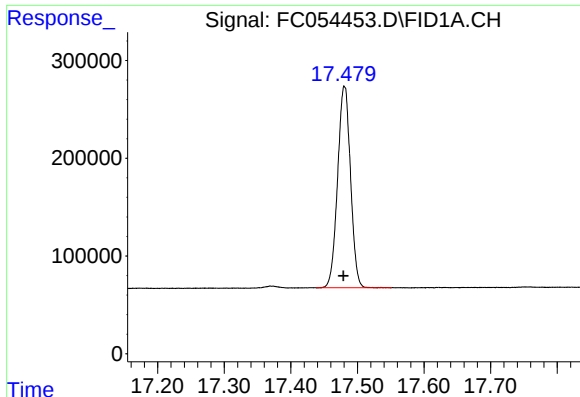
#15 n-Hexacosane (C26)

R.T.: 15.648 min
Delta R.T.: 0.002 min
Response: 2737957
Conc: 20.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.595 min
Delta R.T.: 0.002 min
Response: 2773911
Conc: 20.21 ug/ml



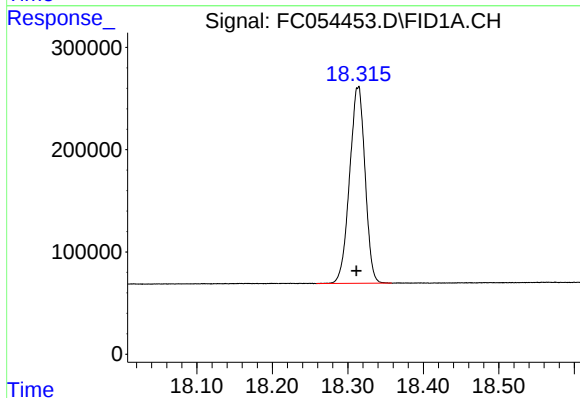
#17 n-Tricontane (C30)

R.T.: 17.480 min
Delta R.T.: 0.001 min
Response: 2774673
Conc: 20.03 ug/ml

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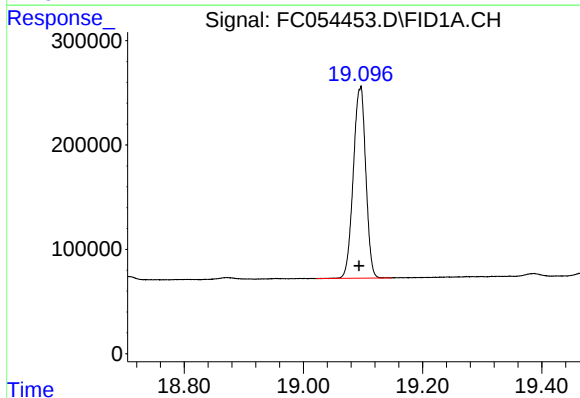
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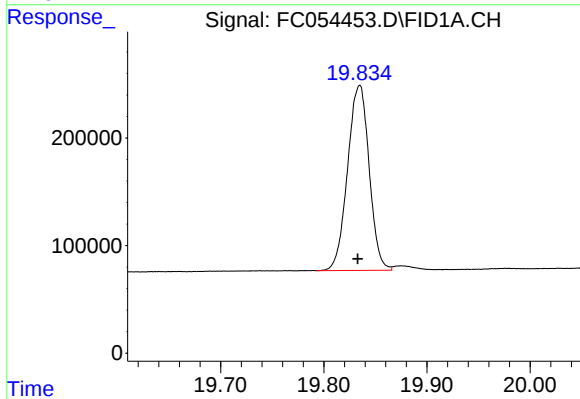
#18 n-Dotriacontane (C32)

R.T.: 18.314 min
Delta R.T.: 0.002 min
Response: 2731980
Conc: 19.97 ug/ml



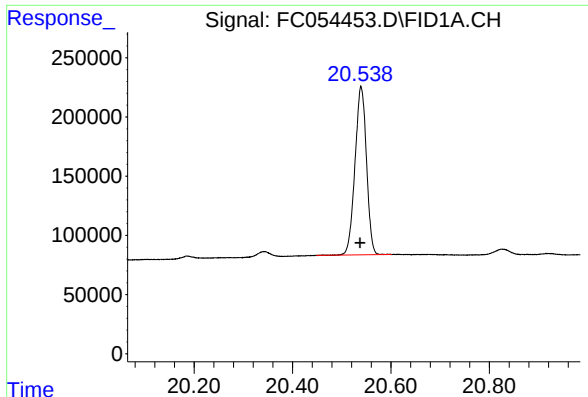
#19 n-Tetratriacontane (C34)

R.T.: 19.095 min
Delta R.T.: 0.002 min
Response: 2660169
Conc: 19.69 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.834 min
Delta R.T.: 0.002 min
Response: 2502934
Conc: 20.28 ug/ml m



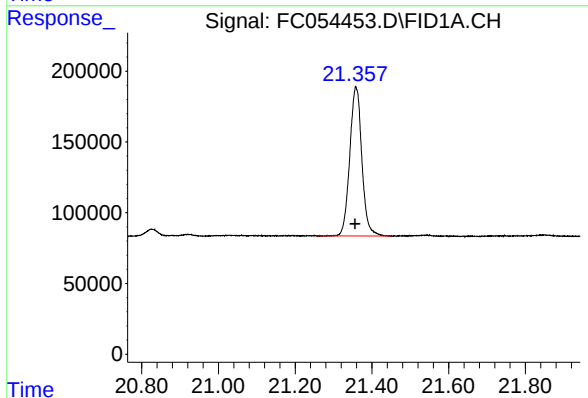
#21 n-Octatriacontane (C38)

R.T.: 20.539 min
Delta R.T.: 0.002 min
Response: 2299031
Conc: 20.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.359 min
Delta R.T.: 0.003 min
Response: 2305311
Conc: 20.40 ug/ml