

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC090221AL\
 Data File : FC055486.D
 Signal(s) : FID1A.CH
 Acq On : 02 Sep 2021 13:46
 Operator : AJ\MA
 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

mohammad
 9/7/2021 8:06:41 AM

Integration File: autoint1.e
 Quant Time: Sep 03 01:04:41 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 083021.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 31 01:45:39 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)	11.655	2715931	21.740 ug/ml
Spiked Amount 50.000		Recovery =	43.48%
12) S 1-chlorooctadecane (S...	13.089	2114361	21.364 ug/ml
Spiked Amount 50.000		Recovery =	42.73%
Target Compounds			
1) T n-Nonane (C9)	3.397	2415538	22.347 ug/ml
2) T n-Decane (C10)	4.468	2472300	22.673 ug/ml
3) T A~Naphthalene (C11.7)	6.059	2797267	22.701 ug/ml
4) T n-Dodecane (C12)	6.490	2488215	22.724 ug/ml
5) T A~2-methylnaphthalene...	7.118	2829324	22.735 ug/ml
6) T n-Tetradecane (C14)	8.288	2519038	22.617 ug/ml
7) T n-Hexadecane (C16)	9.890	2525601	22.347 ug/ml
8) T n-Octadecane (C18)	11.333	2562882	22.013 ug/ml
10) T n-Eicosane (C20)	12.644	2508911	21.472 ug/ml
11) T n-Heneicosane (C21)	13.257	2518607	21.399 ug/ml
13) T n-Docosane (C22)	13.842	2470379	21.177 ug/ml
14) T n-Tetracosane (C24)	14.945	2409194	20.687 ug/ml
15) T n-Hexacosane (C26)	15.968	2291394	20.227 ug/ml
16) T n-Octacosane (C28)	16.916	2182995	19.728 ug/ml
17) T n-Tricontane (C30)	17.804	2082153	19.581 ug/ml
18) T n-Dotriacontane (C32)	18.636	2025155	20.207 ug/ml
19) T n-Tetratriacontane (C34)	19.419	1944562	20.604 ug/mlm
20) T n-Hexatriacontane (C36)	20.157	1861335	21.438 ug/mlm
21) T n-Octatriacontane (C38)	20.908	1788795	21.946 ug/mlm
22) T n-Tetracontane (C40)	21.844	1935099	24.094 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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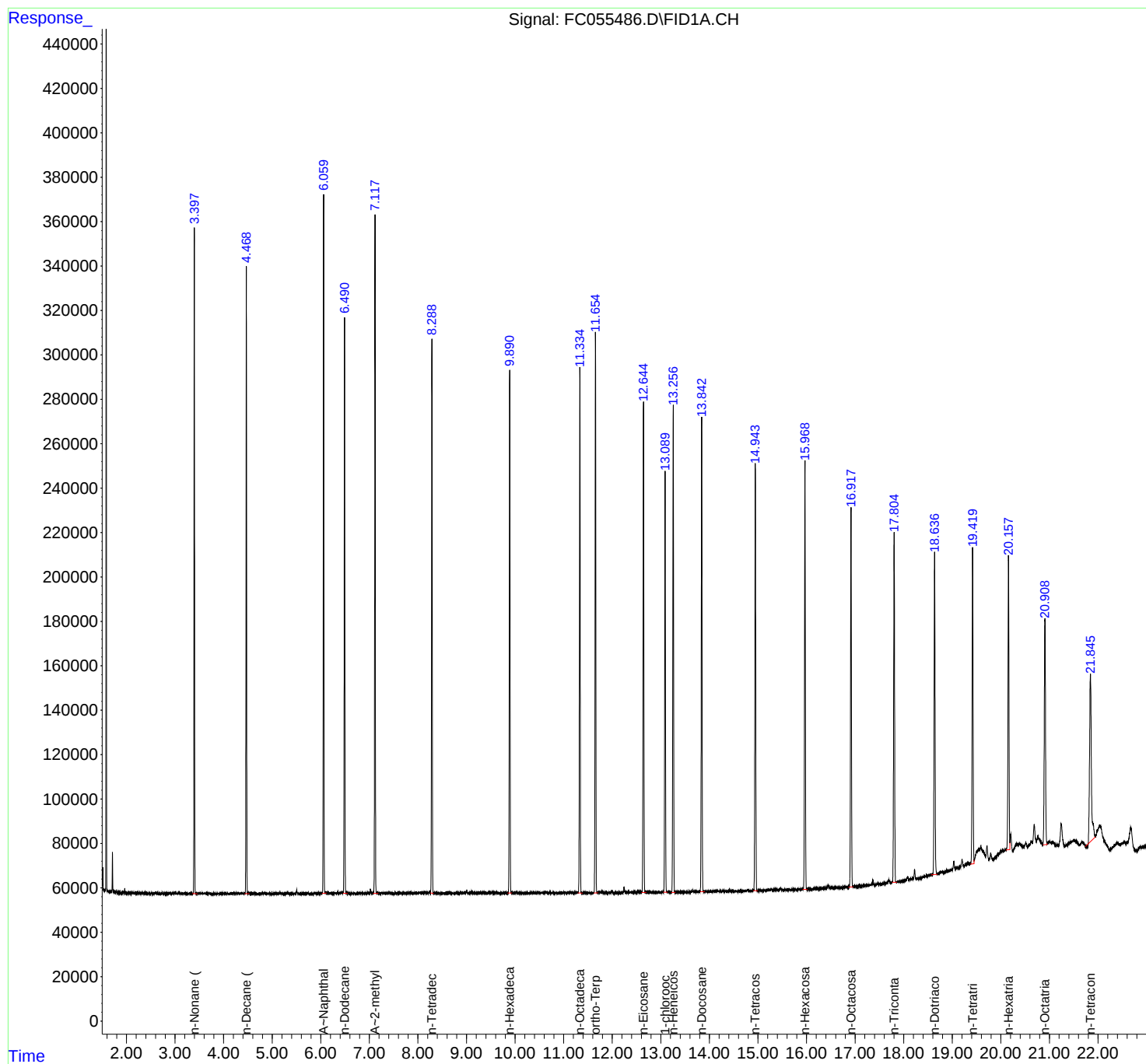
Instrument :
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20 PPM ALIPHATIC HC STD

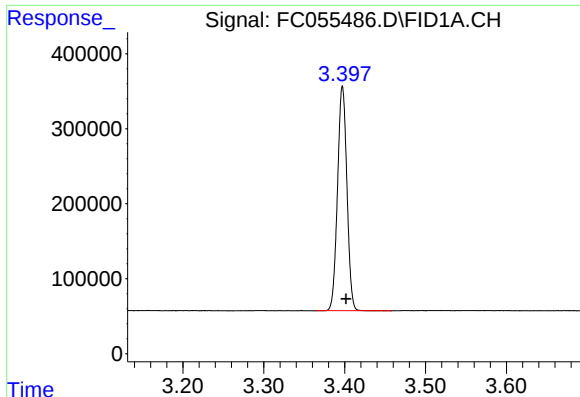
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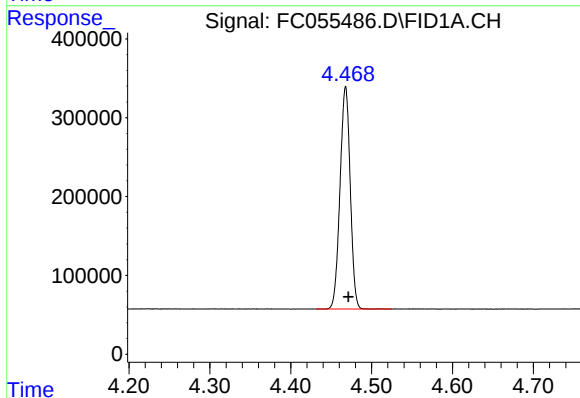
#1 n-Nonane (C9)

R.T.: 3.397 min
Delta R.T.: -0.005 min
Response: 2415538
Conc: 22.35 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

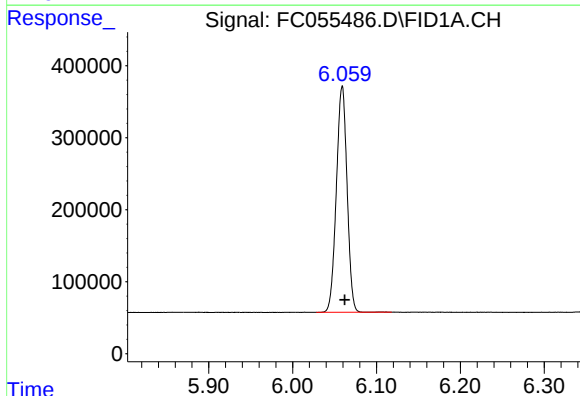
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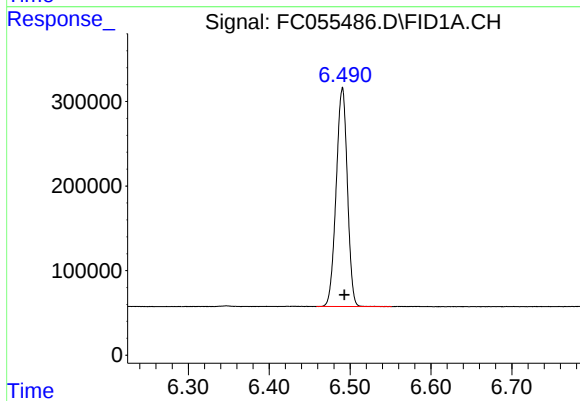
#2 n-Decane (C10)

R.T.: 4.468 min
Delta R.T.: -0.003 min
Response: 2472300
Conc: 22.67 ug/ml



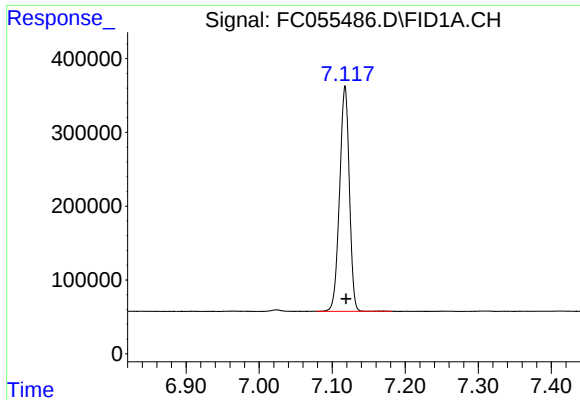
#3 A~Naphthalene (C11.7)

R.T.: 6.059 min
Delta R.T.: -0.003 min
Response: 2797267
Conc: 22.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.490 min
Delta R.T.: -0.003 min
Response: 2488215
Conc: 22.72 ug/ml



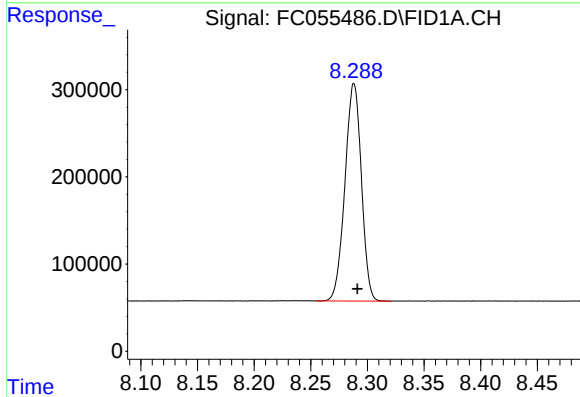
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.118 min
Delta R.T.: -0.002 min
Response: 2829324
Conc: 22.74 ug/ml

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20 PPM ALIPHATIC HC STD

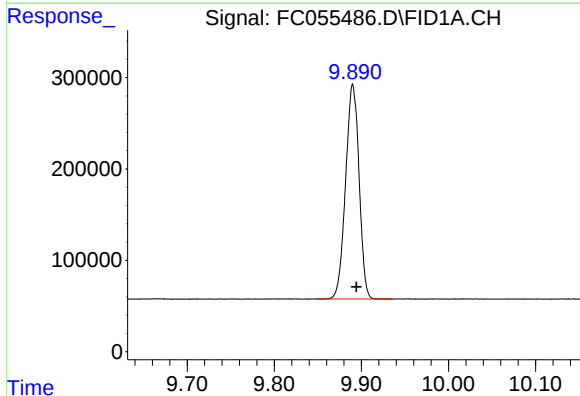
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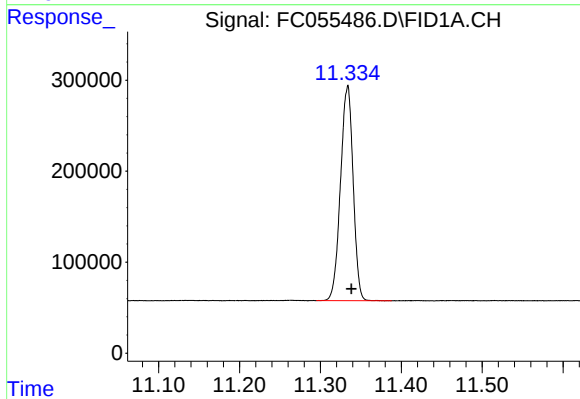
#6 n-Tetradecane (C14)

R.T.: 8.288 min
Delta R.T.: -0.003 min
Response: 2519038
Conc: 22.62 ug/ml



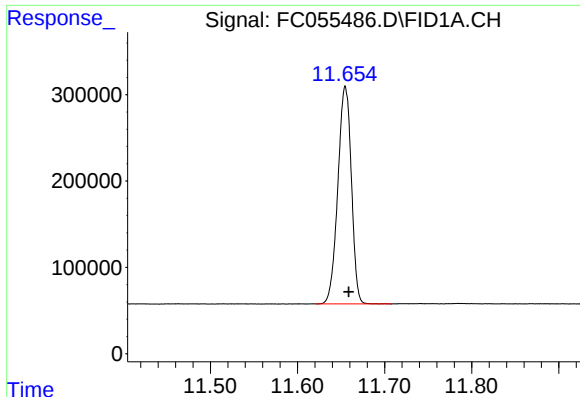
#7 n-Hexadecane (C16)

R.T.: 9.890 min
Delta R.T.: -0.004 min
Response: 2525601
Conc: 22.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.333 min
Delta R.T.: -0.005 min
Response: 2562882
Conc: 22.01 ug/ml



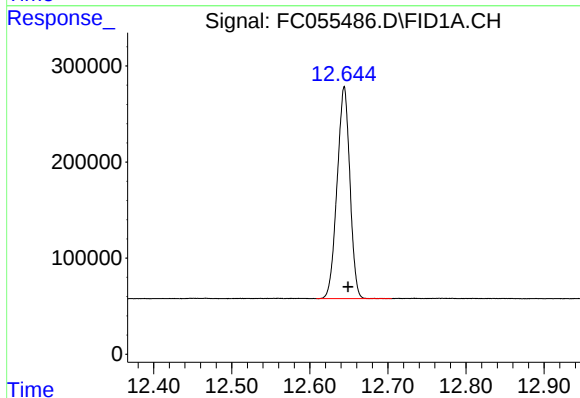
#9 ortho-Terphenyl (SURR)

R.T.: 11.655 min
Delta R.T.: -0.004 min
Response: 2715931
Conc: 21.74 ug/ml

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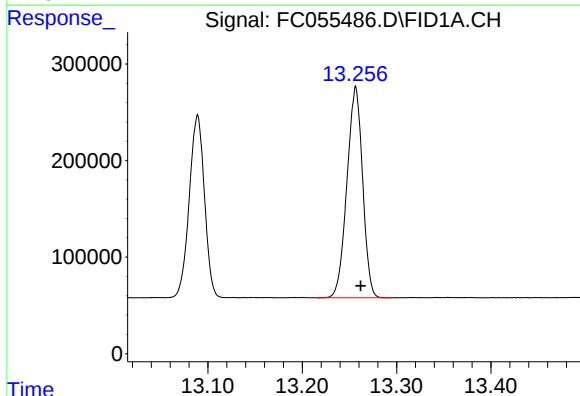
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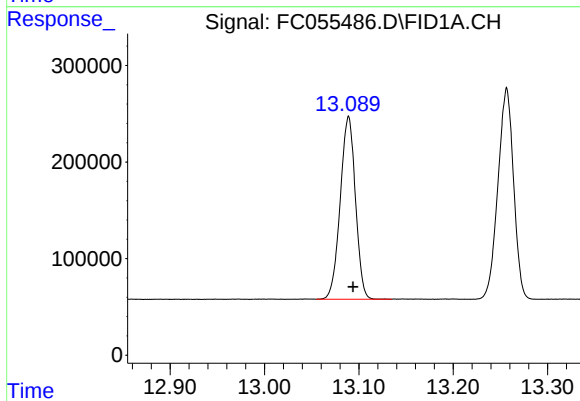
#10 n-Eicosane (C20)

R.T.: 12.644 min
Delta R.T.: -0.005 min
Response: 2508911
Conc: 21.47 ug/ml



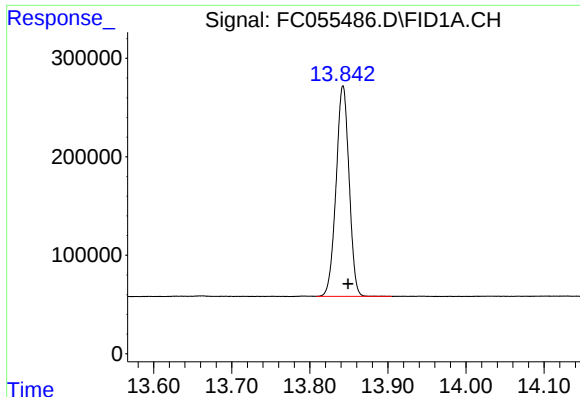
#11 n-Heneicosane (C21)

R.T.: 13.257 min
Delta R.T.: -0.005 min
Response: 2518607
Conc: 21.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.089 min
Delta R.T.: -0.005 min
Response: 2114361
Conc: 21.36 ug/ml



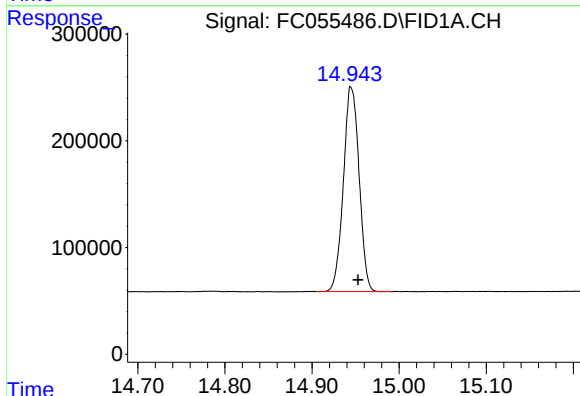
#13 n-Docosane (C22)

R.T.: 13.842 min
Delta R.T.: -0.006 min
Response: 2470379
Conc: 21.18 ug/ml

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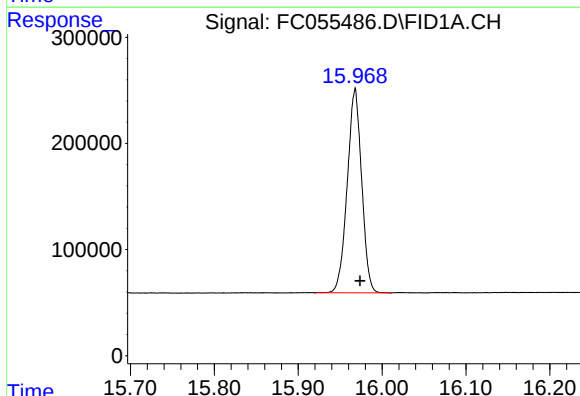
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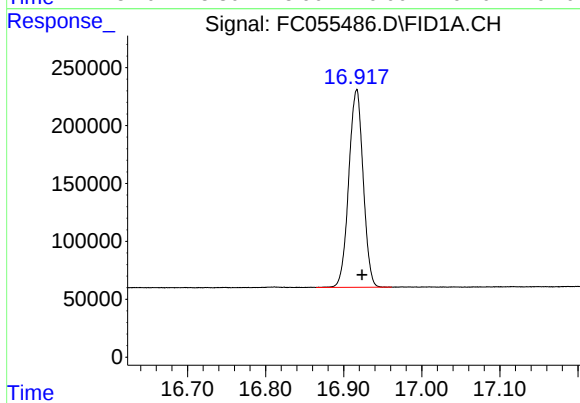
#14 n-Tetracosane (C24)

R.T.: 14.945 min
Delta R.T.: -0.007 min
Response: 2409194
Conc: 20.69 ug/ml



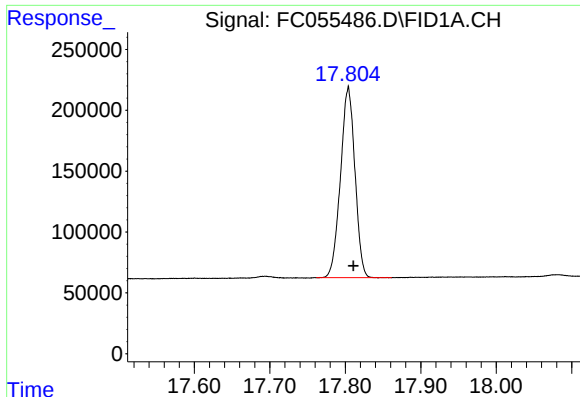
#15 n-Hexacosane (C26)

R.T.: 15.968 min
Delta R.T.: -0.006 min
Response: 2291394
Conc: 20.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.916 min
Delta R.T.: -0.007 min
Response: 2182995
Conc: 19.73 ug/ml



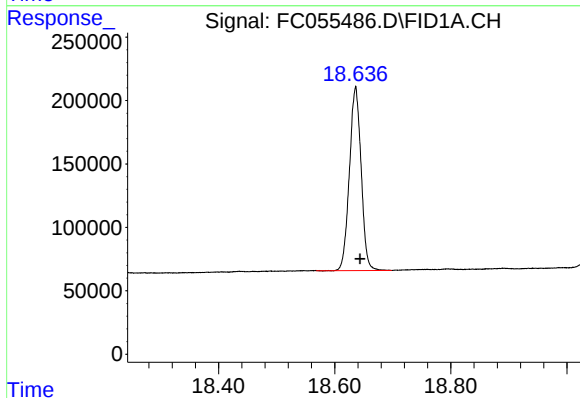
#17 n-Tricontane (C30)

R.T.: 17.804 min
Delta R.T.: -0.007 min
Response: 2082153
Conc: 19.58 ug/ml

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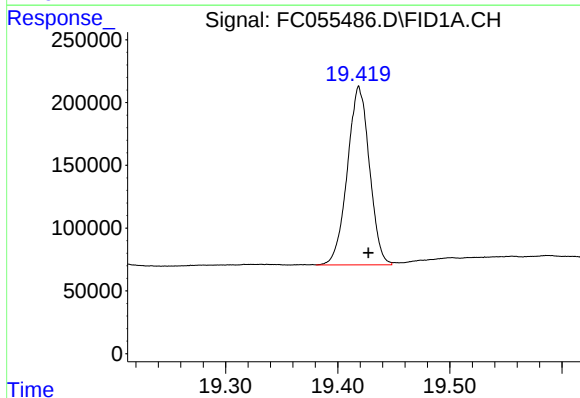
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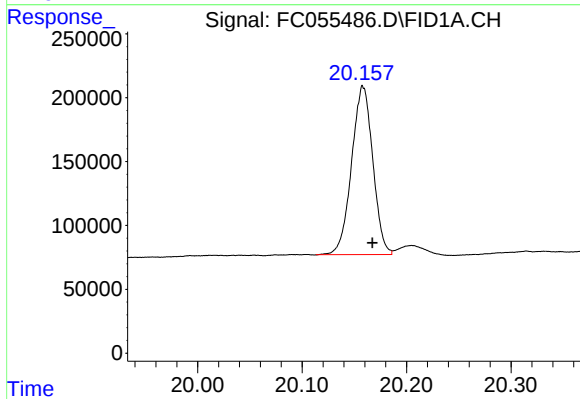
#18 n-Dotriacontane (C32)

R.T.: 18.636 min
Delta R.T.: -0.008 min
Response: 2025155
Conc: 20.21 ug/ml



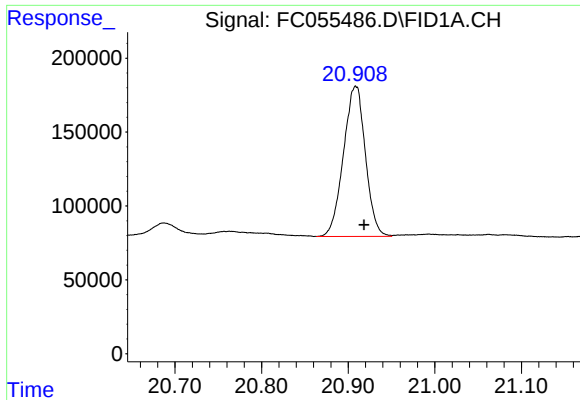
#19 n-Tetratriacontane (C34)

R.T.: 19.419 min
Delta R.T.: -0.009 min
Response: 1944562
Conc: 20.60 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.157 min
Delta R.T.: -0.010 min
Response: 1861335
Conc: 21.44 ug/ml m



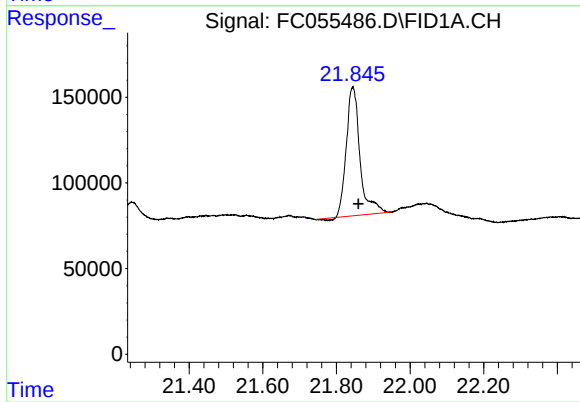
#21 n-Octatriacontane (C38)

R.T.: 20.908 min
Delta R.T.: -0.010 min
Response: 1788795
Conc: 21.95 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.844 min
Delta R.T.: -0.016 min
Response: 1935099
Conc: 24.09 ug/ml