

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032522AL\
 Data File : FC058887.D
 Signal(s) : FID1A.CH
 Acq On : 25 Mar 2022 18:16
 Operator : UA/NP
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/26/2022
 Supervised By :mohammad ahmed 03/30/2022

Integration File: autoint1.e
 Quant Time: Mar 25 23:08:54 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032522.M
 Quant Title : GC Extractables
 QLast Update : Fri Mar 25 23:07:34 2022
 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)	11.099	699523	4.538 ug/ml
Spiked Amount 50.000		Recovery =	9.08%
12) S 1-chlorooctadecane (S...	12.549	544620	4.549 ug/ml
Spiked Amount 50.000		Recovery =	9.10%
Target Compounds			
1) T n-Nonane (C9)	2.961	571982	4.356 ug/ml
2) T n-Decane (C10)	4.002	579665	4.412 ug/ml
3) T A~Naphthalene (C11.7)	5.555	498399	3.604 ug/ml
4) T n-Dodecane (C12)	6.000	604740	4.412 ug/ml
5) T A~2-methylnaphthalene...	6.603	520991	3.742 ug/mlm
6) T n-Tetradecane (C14)	7.782	623629	4.483 ug/ml
7) T n-Hexadecane (C16)	9.375	648689	4.580 ug/ml
8) T n-Octadecane (C18)	10.809	644025	4.518 ug/ml
10) T n-Eicosane (C20)	12.111	641906	4.581 ug/ml
11) T n-Heneicosane (C21)	12.719	638320	4.573 ug/ml
13) T n-Docosane (C22)	13.303	638619	4.615 ug/ml
14) T n-Tetracosane (C24)	14.401	622759	4.619 ug/ml
15) T n-Hexacosane (C26)	15.417	593561	4.588 ug/ml
16) T n-Octacosane (C28)	16.362	588629	4.649 ug/ml
17) T n-Tricontane (C30)	17.246	576950	4.768 ug/mlm
18) T n-Dotriacontane (C32)	18.076	542175	4.757 ug/ml
19) T n-Tetratriacontane (C34)	18.858	507561	4.726 ug/ml
20) T n-Hexatriacontane (C36)	19.595	478928	4.712 ug/ml
21) T n-Octatriacontane (C38)	20.293	455208	4.647 ug/ml
22) T n-Tetracontane (C40)	21.036	455261	4.591 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

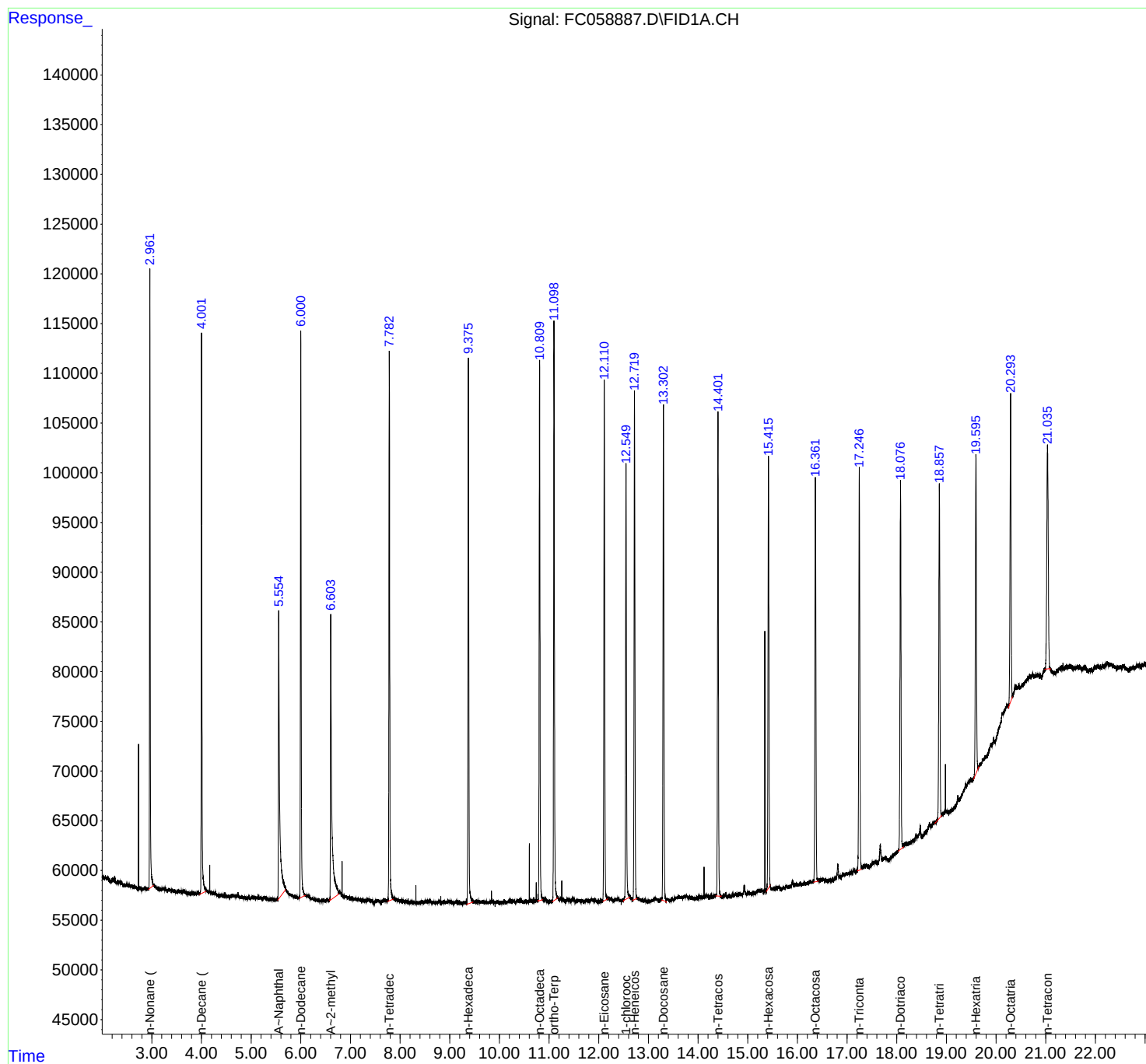
Instrument :
FID_C
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5 PPM ALIPHATIC HC STD5

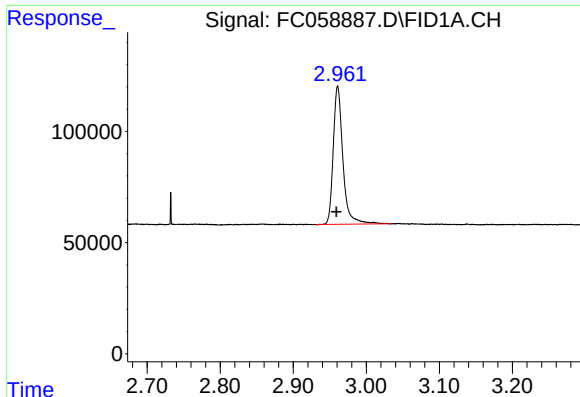
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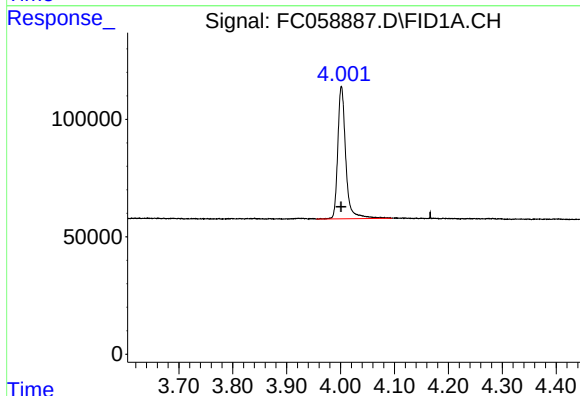
#1 n-Nonane (C9)

R.T.: 2.961 min
Delta R.T.: 0.002 min
Response: 571982
Conc: 4.36 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

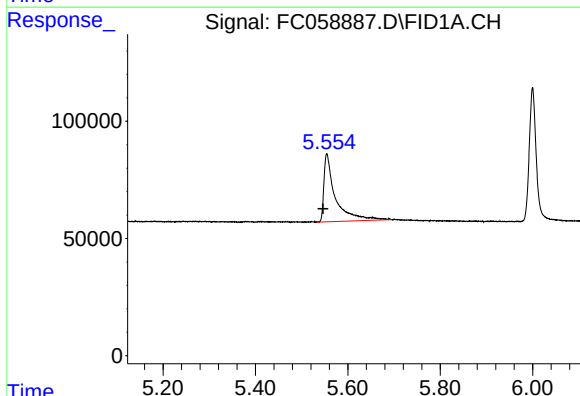
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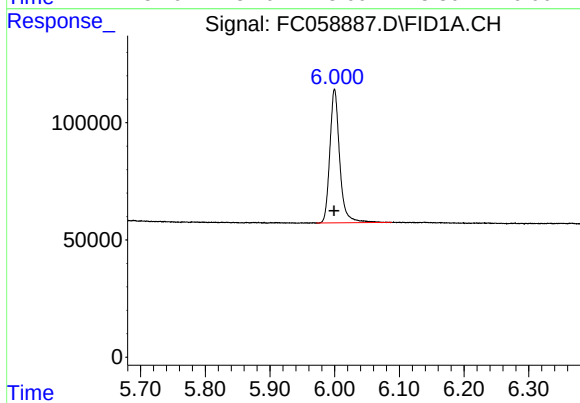
#2 n-Decane (C10)

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 579665
Conc: 4.41 ug/ml



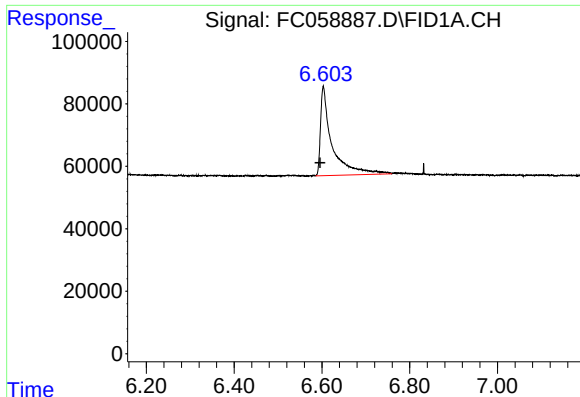
#3 A~Naphthalene (C11.7)

R.T.: 5.555 min
Delta R.T.: 0.009 min
Response: 498399
Conc: 3.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 604740
Conc: 4.41 ug/ml



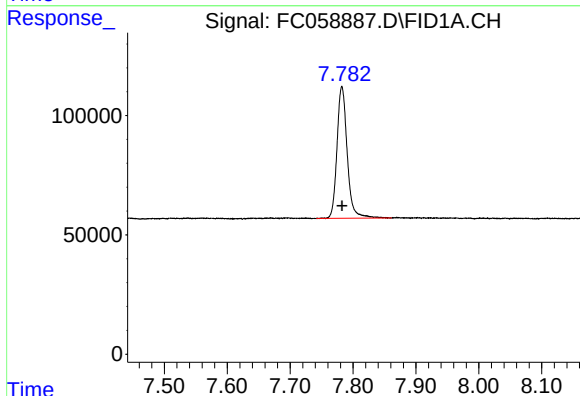
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.603 min
Delta R.T.: 0.007 min
Response: 520991
Conc: 3.74 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

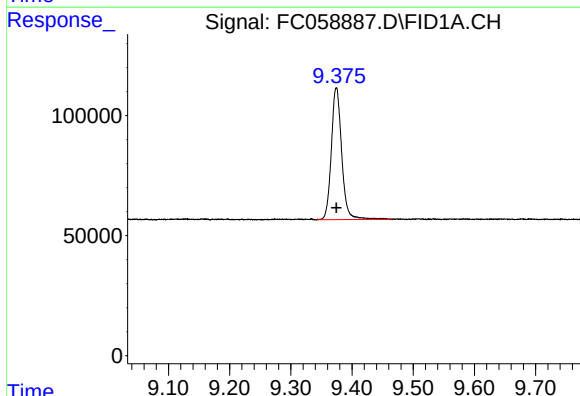
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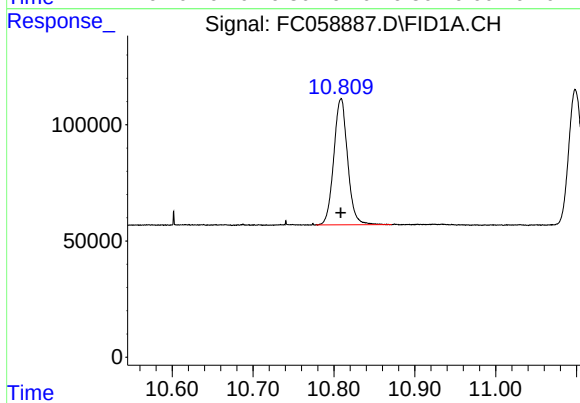
#6 n-Tetradecane (C14)

R.T.: 7.782 min
Delta R.T.: 0.000 min
Response: 623629
Conc: 4.48 ug/ml



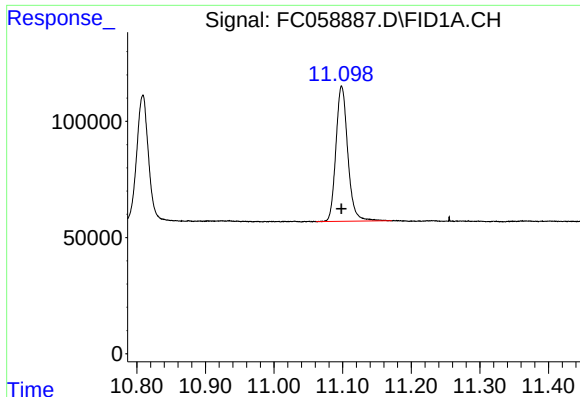
#7 n-Hexadecane (C16)

R.T.: 9.375 min
Delta R.T.: 0.000 min
Response: 648689
Conc: 4.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.809 min
Delta R.T.: 0.000 min
Response: 644025
Conc: 4.52 ug/ml



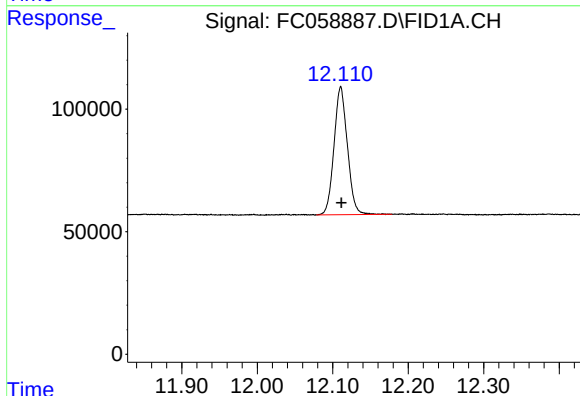
#9 ortho-Terphenyl (SURR)

R.T.: 11.099 min
Delta R.T.: 0.000 min
Response: 699523
Conc: 4.54 ug/ml

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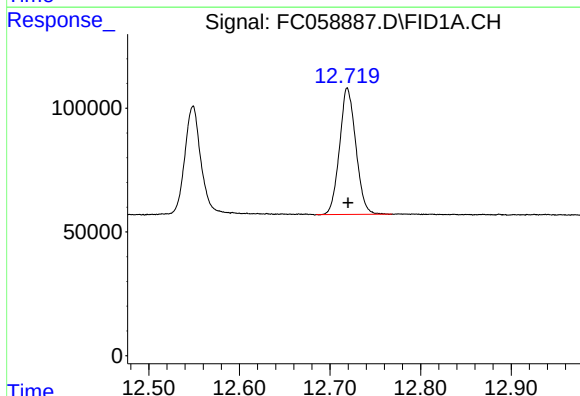
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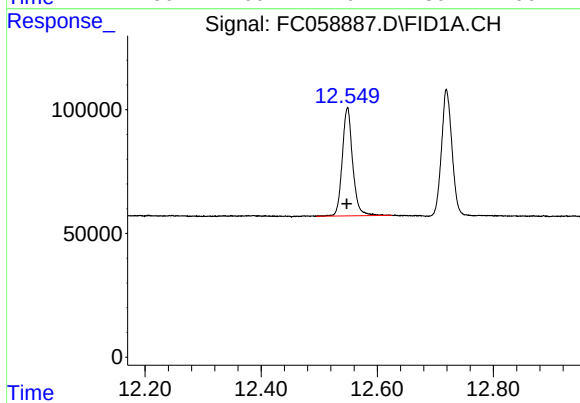
#10 n-Eicosane (C20)

R.T.: 12.111 min
Delta R.T.: 0.000 min
Response: 641906
Conc: 4.58 ug/ml



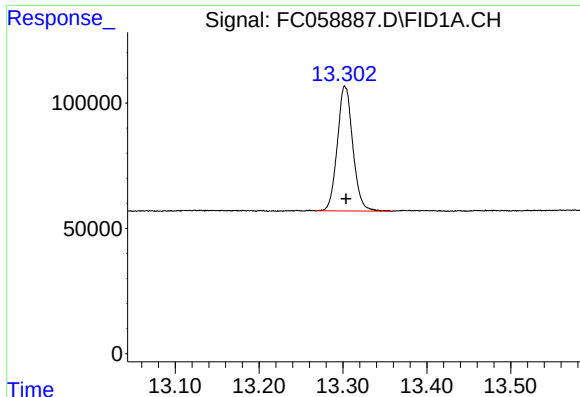
#11 n-Heneicosane (C21)

R.T.: 12.719 min
Delta R.T.: 0.000 min
Response: 638320
Conc: 4.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.549 min
Delta R.T.: 0.000 min
Response: 544620
Conc: 4.55 ug/ml



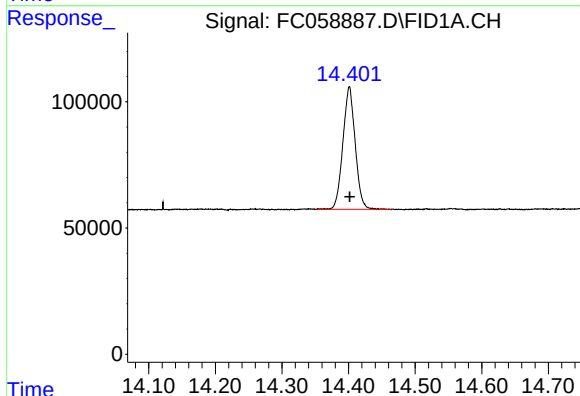
#13 n-Docosane (C22)

R.T.: 13.303 min
Delta R.T.: -0.001 min
Response: 638619
Conc: 4.62 ug/ml

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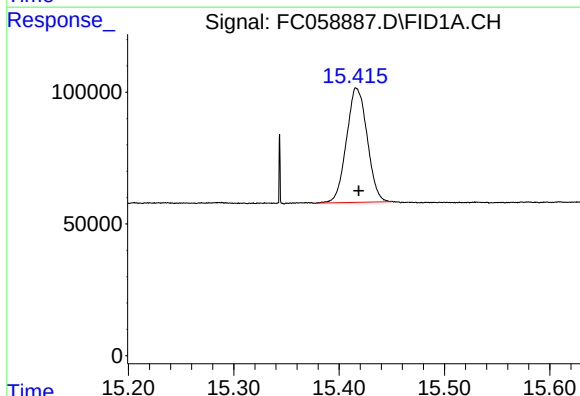
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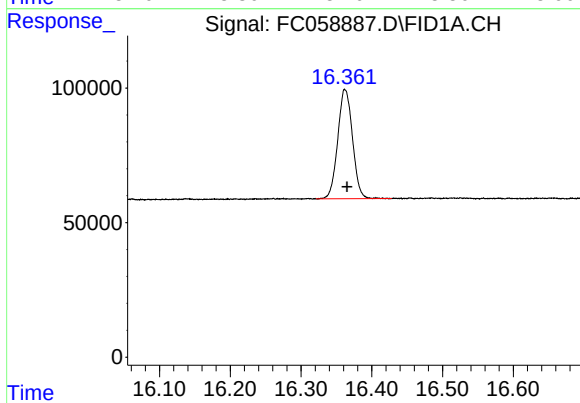
#14 n-Tetracosane (C24)

R.T.: 14.401 min
Delta R.T.: 0.000 min
Response: 622759
Conc: 4.62 ug/ml



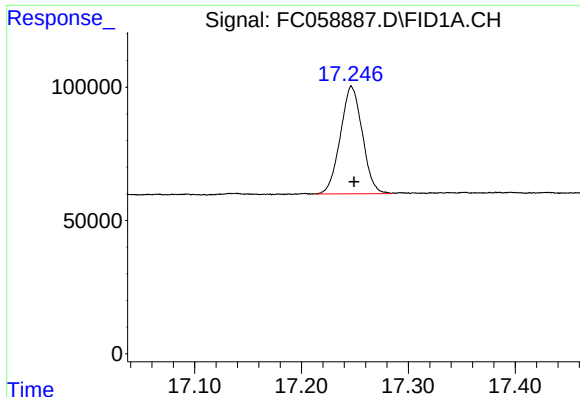
#15 n-Hexacosane (C26)

R.T.: 15.417 min
Delta R.T.: -0.001 min
Response: 593561
Conc: 4.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.362 min
Delta R.T.: -0.003 min
Response: 588629
Conc: 4.65 ug/ml



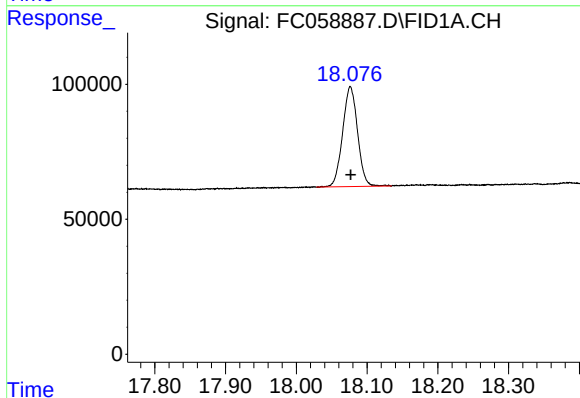
#17 n-Tricontane (C30)

R.T.: 17.246 min
Delta R.T.: -0.003 min
Response: 576950
Conc: 4.77 ug/ml

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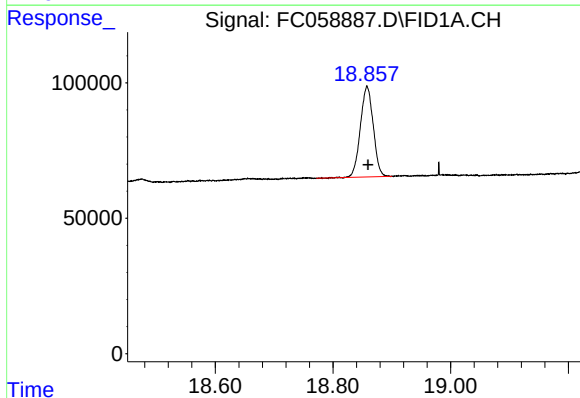
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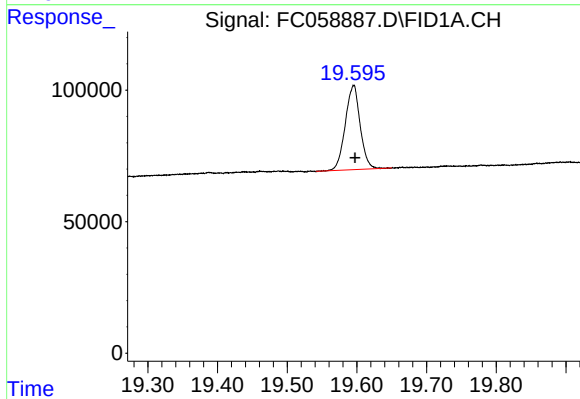
#18 n-Dotriacontane (C32)

R.T.: 18.076 min
Delta R.T.: 0.000 min
Response: 542175
Conc: 4.76 ug/ml



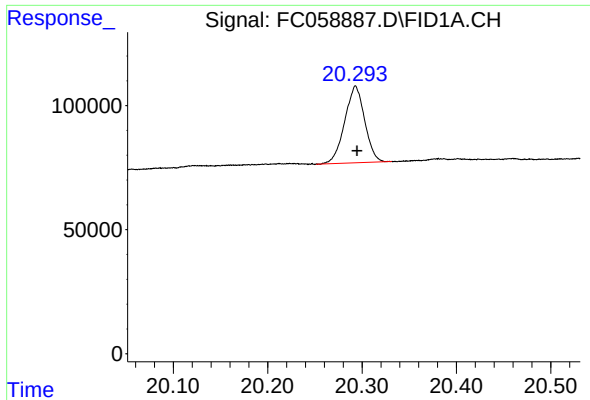
#19 n-Tetratriacontane (C34)

R.T.: 18.858 min
Delta R.T.: -0.001 min
Response: 507561
Conc: 4.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.595 min
Delta R.T.: -0.003 min
Response: 478928
Conc: 4.71 ug/ml



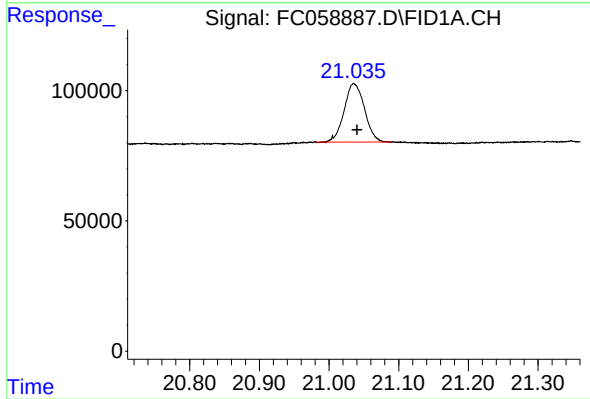
#21 n-Octatriacontane (C38)

R.T.: 20.293 min
Delta R.T.: -0.002 min
Response: 455208
Conc: 4.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.036 min
Delta R.T.: -0.004 min
Response: 455261
Conc: 4.59 ug/ml