

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081621AL\
 Data File : FD038575.D
 Signal(s) : FID2B.CH
 Acq On : 16 Aug 2021 22:10
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 8/17/2021 3:46:23 PM

Integration File: autoint1.e
 Quant Time: Aug 17 03:51:44 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 080321.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 04 03:20:37 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)	11.362	2682649	19.653 ug/ml
Spiked Amount 50.000		Recovery =	39.31%
12) S 1-chlorooctadecane (S...	12.800	2111176	19.633 ug/ml
Spiked Amount 50.000		Recovery =	39.27%
Target Compounds			
1) T n-Nonane (C9)	3.191	2362996	20.128 ug/ml
2) T n-Decane (C10)	4.243	2403262	20.383 ug/ml
3) T A~Naphthalene (C11.7)	5.808	2666475	20.427 ug/ml
4) T n-Dodecane (C12)	6.245	2430340	20.467 ug/ml
5) T A~2-methylnaphthalene...	6.858	2700260	20.635 ug/ml
6) T n-Tetradecane (C14)	8.030	2473784	20.354 ug/ml
7) T n-Hexadecane (C16)	9.623	2500483	20.460 ug/ml
8) T n-Octadecane (C18)	11.057	2554227	20.287 ug/ml
10) T n-Eicosane (C20)	12.359	2516810	19.966 ug/ml
11) T n-Heneicosane (C21)	12.968	2528642	19.809 ug/ml
13) T n-Docosane (C22)	13.552	2505081	19.678 ug/ml
14) T n-Tetracosane (C24)	14.650	2500271	19.437 ug/ml
15) T n-Hexacosane (C26)	15.666	2387588	18.748 ug/ml
16) T n-Octacosane (C28)	16.611	2301417	18.038 ug/ml
17) T n-Tricontane (C30)	17.494	2185411	17.249 ug/ml
18) T n-Dotriacontane (C32)	18.321	2057369	16.743 ug/ml
19) T n-Tetratriacontane (C34)	19.100	1977222	16.567 ug/mlm
20) T n-Hexatriacontane (C36)	19.837	1907347	17.113 ug/mlm
21) T n-Octatriacontane (C38)	20.537	1851760	17.912 ug/mlm
22) T n-Tetracontane (C40)	21.345	1892926	18.860 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 52 Sample Multiplier: 1

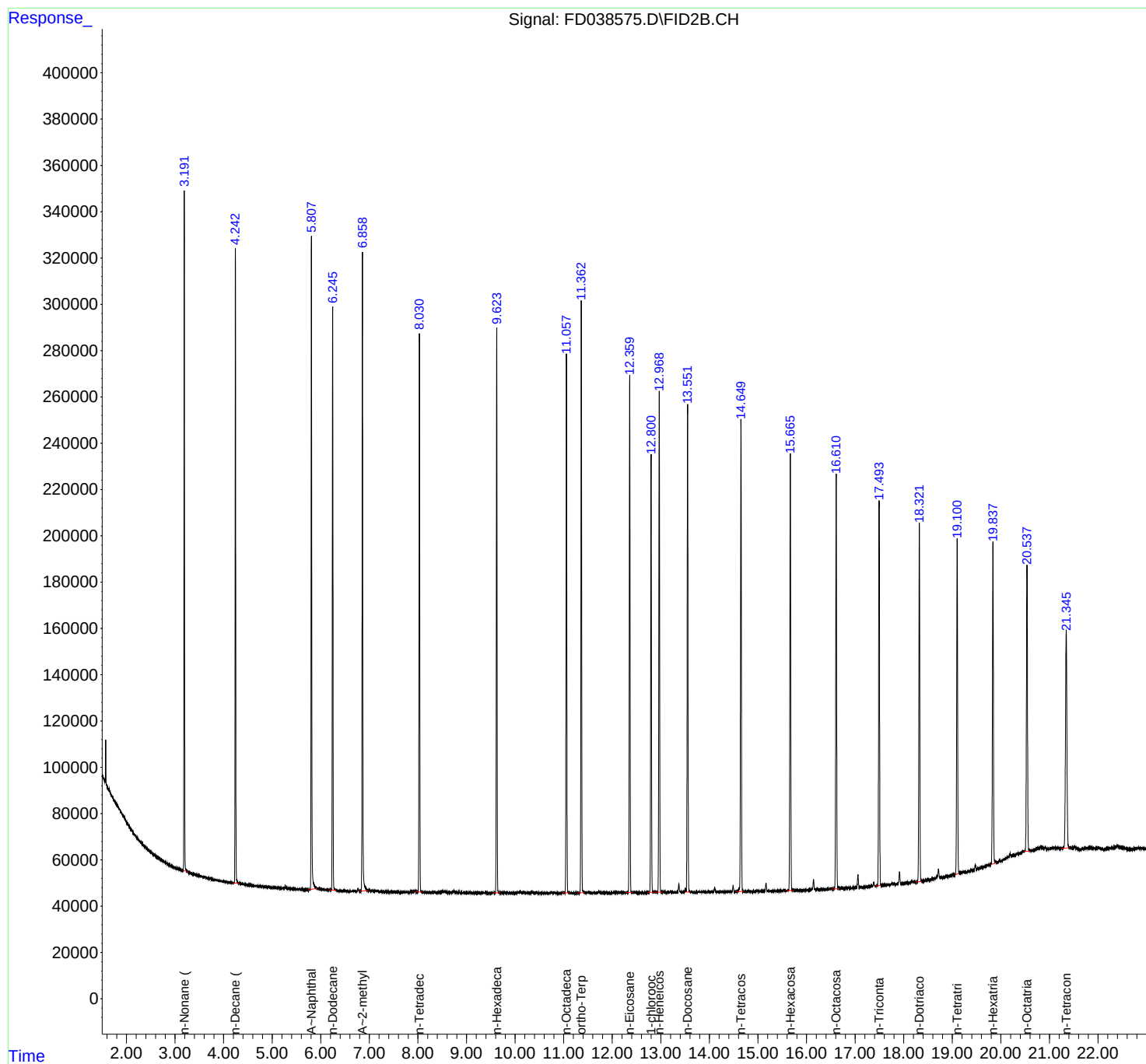
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20 PPM ALIPHATIC HC STD

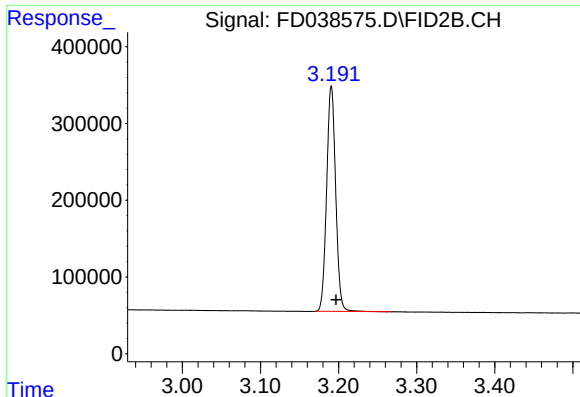
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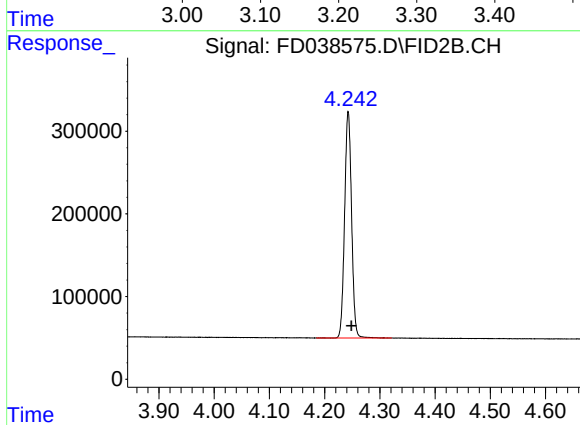
#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.006 min
Response: 2362996
Conc: 20.13 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

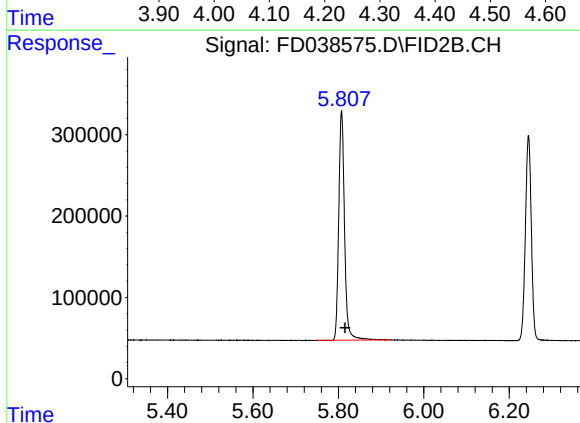
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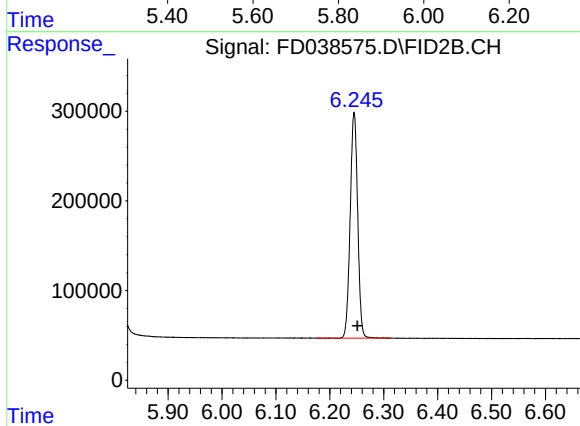
#2 n-Decane (C10)

R.T.: 4.243 min
Delta R.T.: -0.006 min
Response: 2403262
Conc: 20.38 ug/ml



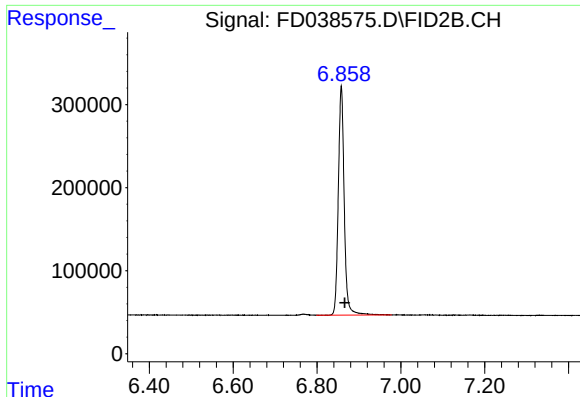
#3 A~Naphthalene (C11.7)

R.T.: 5.808 min
Delta R.T.: -0.008 min
Response: 2666475
Conc: 20.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.245 min
Delta R.T.: -0.006 min
Response: 2430340
Conc: 20.47 ug/ml



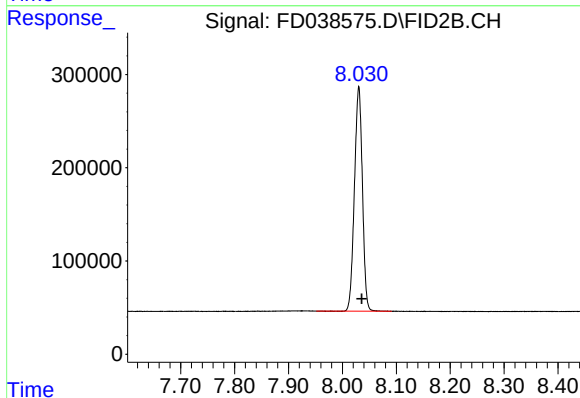
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.858 min
Delta R.T.: -0.008 min
Response: 2700260
Conc: 20.64 ug/ml

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20 PPM ALIPHATIC HC STD

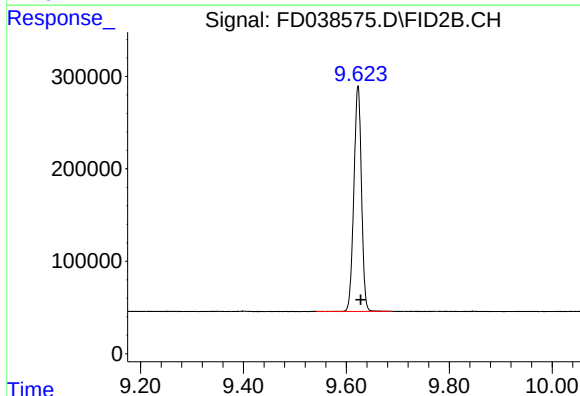
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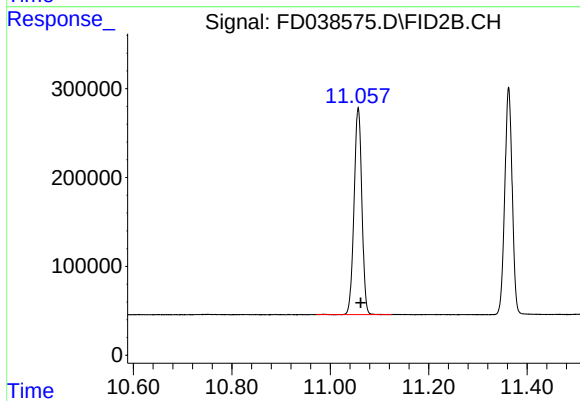
#6 n-Tetradecane (C14)

R.T.: 8.030 min
Delta R.T.: -0.005 min
Response: 2473784
Conc: 20.35 ug/ml



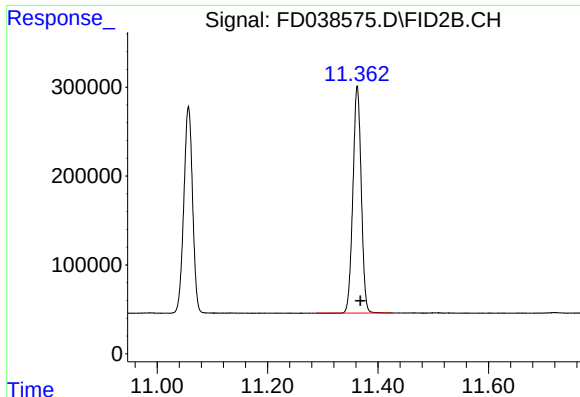
#7 n-Hexadecane (C16)

R.T.: 9.623 min
Delta R.T.: -0.005 min
Response: 2500483
Conc: 20.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.057 min
Delta R.T.: -0.005 min
Response: 2554227
Conc: 20.29 ug/ml



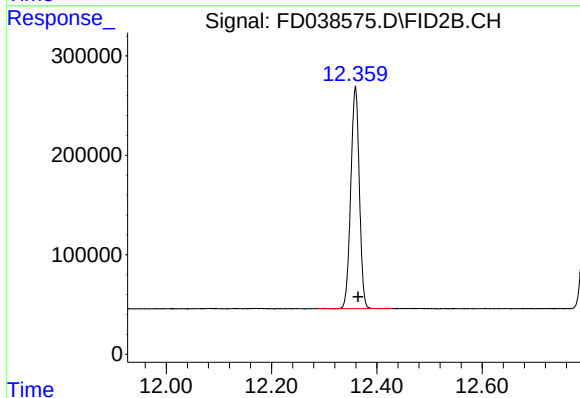
#9 ortho-Terphenyl (SURR)

R.T.: 11.362 min
Delta R.T.: -0.006 min
Response: 2682649
Conc: 19.65 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

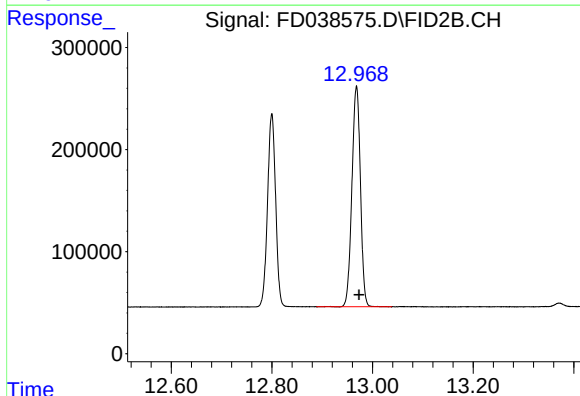
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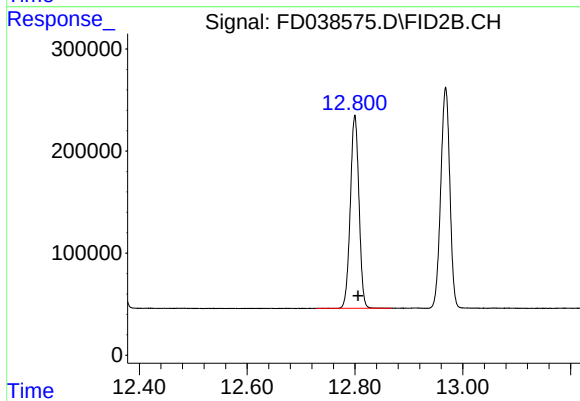
#10 n-Eicosane (C20)

R.T.: 12.359 min
Delta R.T.: -0.005 min
Response: 2516810
Conc: 19.97 ug/ml



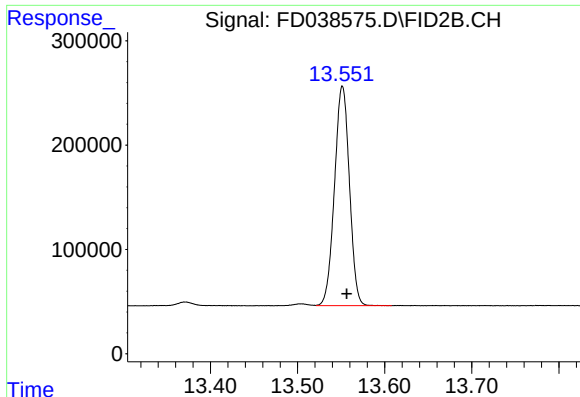
#11 n-Heneicosane (C21)

R.T.: 12.968 min
Delta R.T.: -0.005 min
Response: 2528642
Conc: 19.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.800 min
Delta R.T.: -0.006 min
Response: 2111176
Conc: 19.63 ug/ml



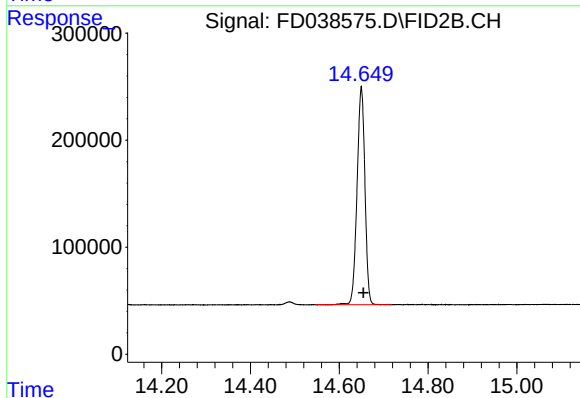
#13 n-Docosane (C22)

R.T.: 13.552 min
Delta R.T.: -0.005 min
Response: 2505081
Conc: 19.68 ug/ml

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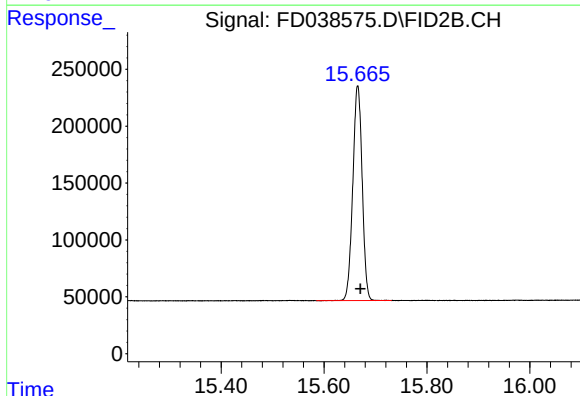
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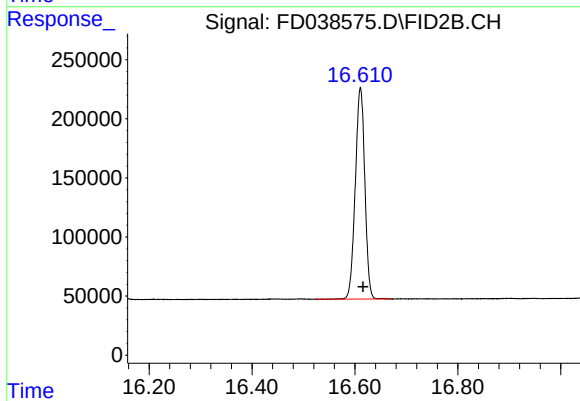
#14 n-Tetracosane (C24)

R.T.: 14.650 min
Delta R.T.: -0.005 min
Response: 2500271
Conc: 19.44 ug/ml



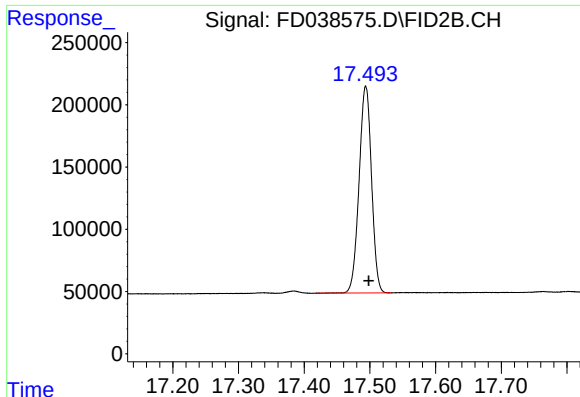
#15 n-Hexacosane (C26)

R.T.: 15.666 min
Delta R.T.: -0.005 min
Response: 2387588
Conc: 18.75 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.611 min
Delta R.T.: -0.005 min
Response: 2301417
Conc: 18.04 ug/ml



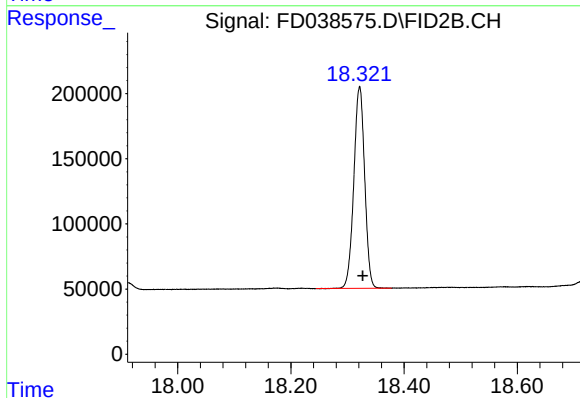
#17 n-Tricontane (C30)

R.T.: 17.494 min
Delta R.T.: -0.005 min
Response: 2185411
Conc: 17.25 ug/ml

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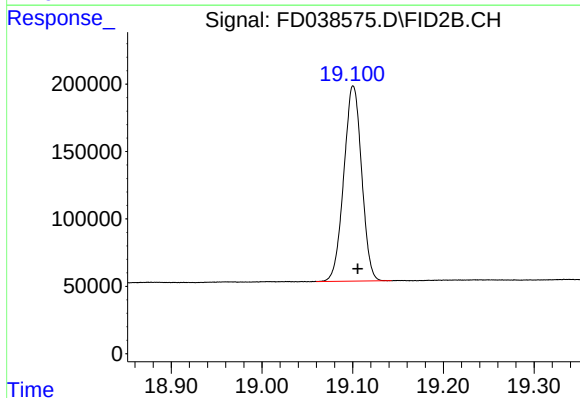
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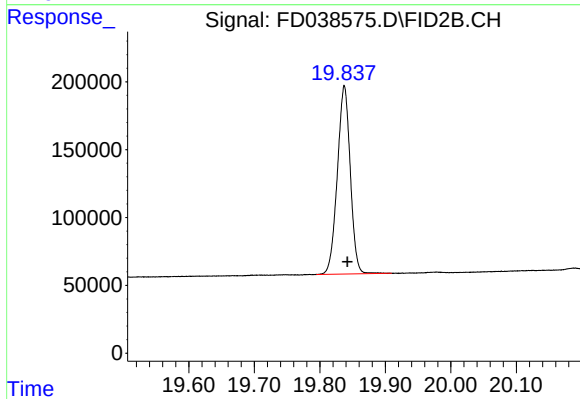
#18 n-Dotriacontane (C32)

R.T.: 18.321 min
Delta R.T.: -0.006 min
Response: 2057369
Conc: 16.74 ug/ml



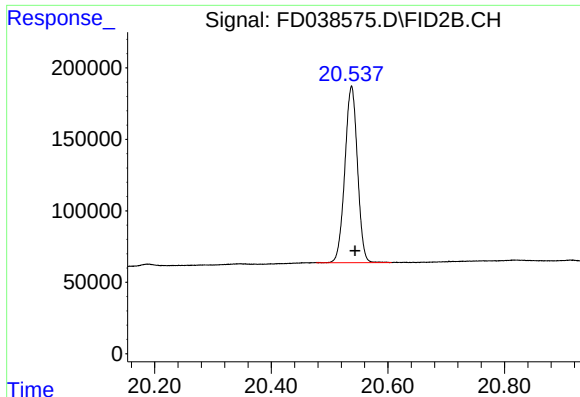
#19 n-Tetratriacontane (C34)

R.T.: 19.100 min
Delta R.T.: -0.006 min
Response: 1977222
Conc: 16.57 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.837 min
Delta R.T.: -0.006 min
Response: 1907347
Conc: 17.11 ug/ml m



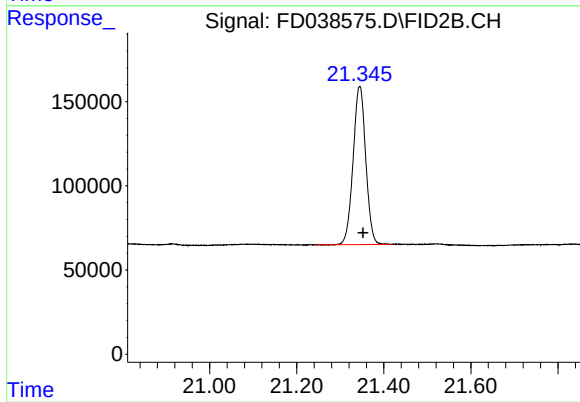
#21 n-Octatriacontane (C38)

R.T.: 20.537 min
Delta R.T.: -0.006 min
Response: 1851760
Conc: 17.91 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.345 min
Delta R.T.: -0.008 min
Response: 1892926
Conc: 18.86 ug/ml