

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081221AL\
 Data File : FD038524.D
 Signal(s) : FID2B.CH
 Acq On : 12 Aug 2021 12:30
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 8/13/2021 10:10:02 AM

Integration File: autoint1.e
 Quant Time: Aug 13 02:04:33 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)	11.367	2587935	18.959 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
12) S 1-chlorooctadecane (S...	12.804	1999437	18.594 ug/ml
Spiked Amount 50.000		Recovery =	37.19%
Target Compounds			
1) T n-Nonane (C9)	3.191	2459693	20.951 ug/ml
2) T n-Decane (C10)	4.244	2518139	21.358 ug/ml
3) T A~Naphthalene (C11.7)	5.809	2776914	21.273 ug/ml
4) T n-Dodecane (C12)	6.248	2540196	21.393 ug/ml
5) T A~2-methylnaphthalene...	6.861	2788031	21.306 ug/ml
6) T n-Tetradecane (C14)	8.033	2560453	21.068 ug/ml
7) T n-Hexadecane (C16)	9.625	2534209	20.736 ug/ml
8) T n-Octadecane (C18)	11.060	2530880	20.102 ug/ml
10) T n-Eicosane (C20)	12.364	2420917	19.205 ug/ml
11) T n-Heneicosane (C21)	12.973	2392301	18.741 ug/ml
13) T n-Docosane (C22)	13.556	2343506	18.409 ug/ml
14) T n-Tetracosane (C24)	14.653	2289025	17.795 ug/ml
15) T n-Hexacosane (C26)	15.669	2175224	17.081 ug/ml
16) T n-Octacosane (C28)	16.614	2126906	16.671 ug/ml
17) T n-Tricontane (C30)	17.497	2084113	16.450 ug/ml
18) T n-Dotriacontane (C32)	18.326	2039019	16.594 ug/ml
19) T n-Tetratriacontane (C34)	19.105	2060078	17.261 ug/mlm
20) T n-Hexatriacontane (C36)	19.841	2070170	18.574 ug/mlm
21) T n-Octatriacontane (C38)	20.542	2128512	20.589 ug/mlm
22) T n-Tetracontane (C40)	21.353	2276950	22.686 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 53 Sample Multiplier: 1

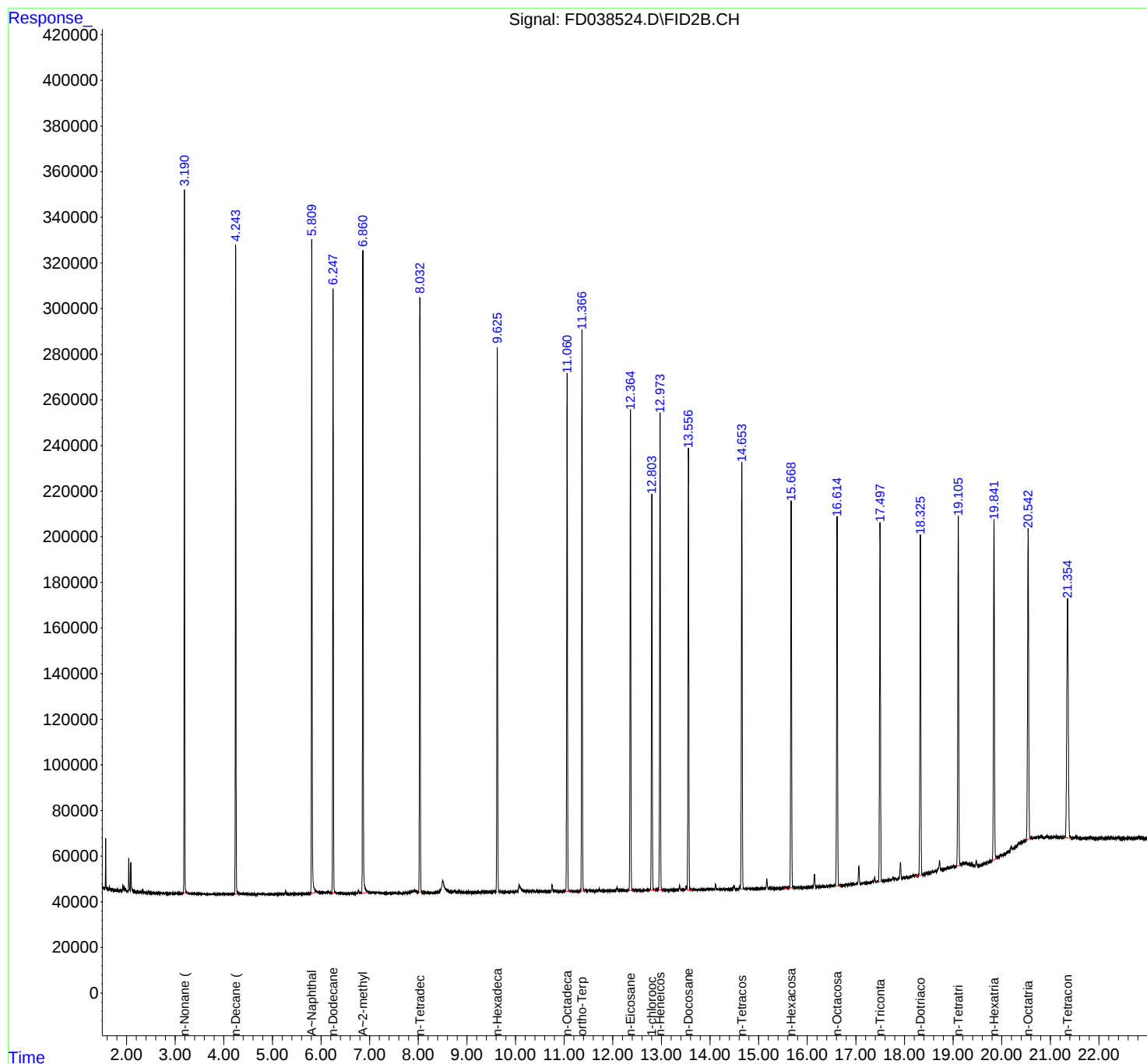
Instrument :
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20 PPM ALIPHATIC HC STD

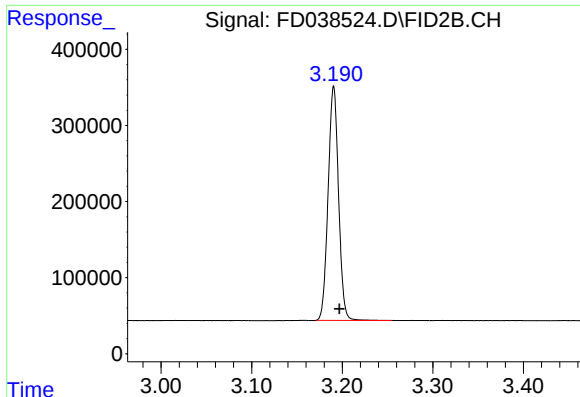
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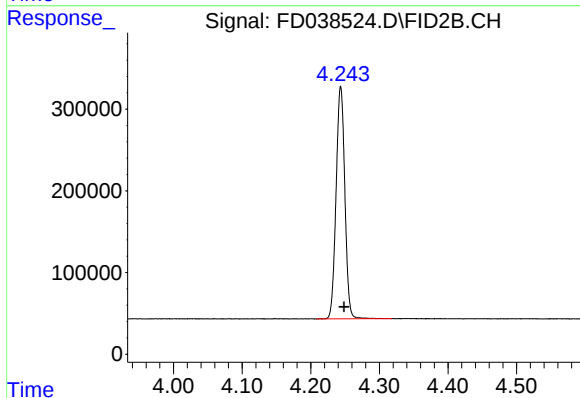
#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.006 min
Response: 2459693
Conc: 20.95 ug/ml

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20 PPM ALIPHATIC HC STD

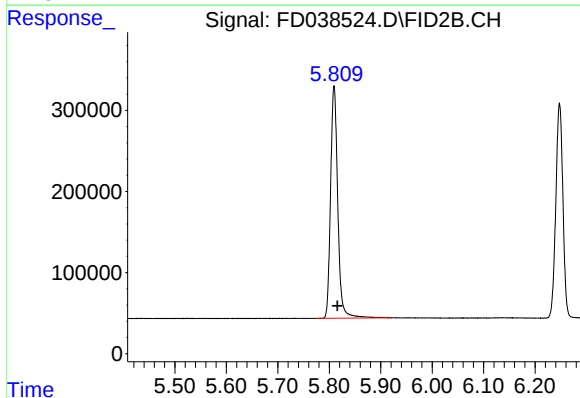
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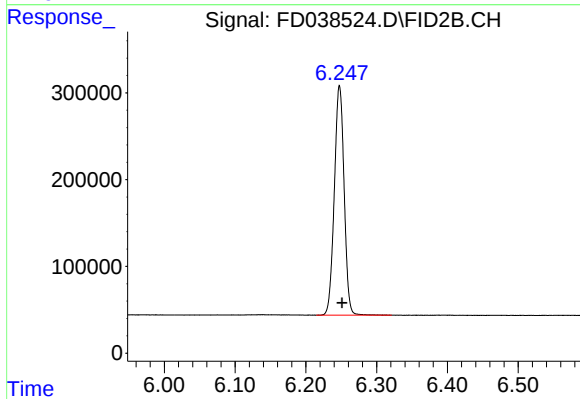
#2 n-Decane (C10)

R.T.: 4.244 min
Delta R.T.: -0.005 min
Response: 2518139
Conc: 21.36 ug/ml



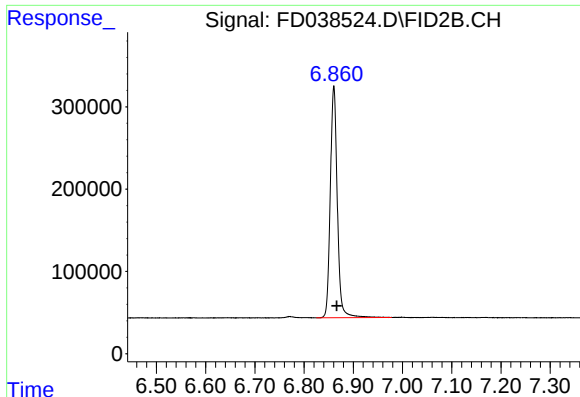
#3 A~Naphthalene (C11.7)

R.T.: 5.809 min
Delta R.T.: -0.006 min
Response: 2776914
Conc: 21.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 2540196
Conc: 21.39 ug/ml



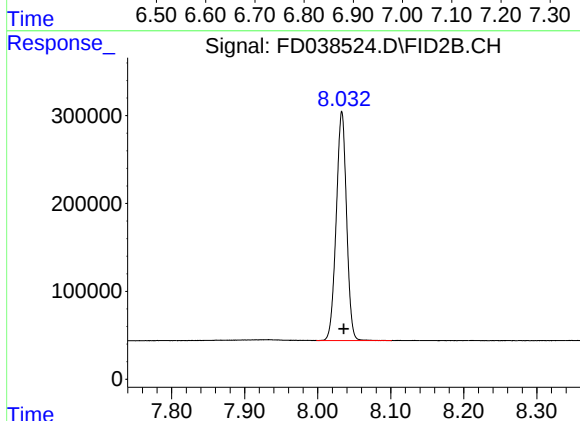
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.861 min
Delta R.T.: -0.006 min
Response: 2788031
Conc: 21.31 ug/ml

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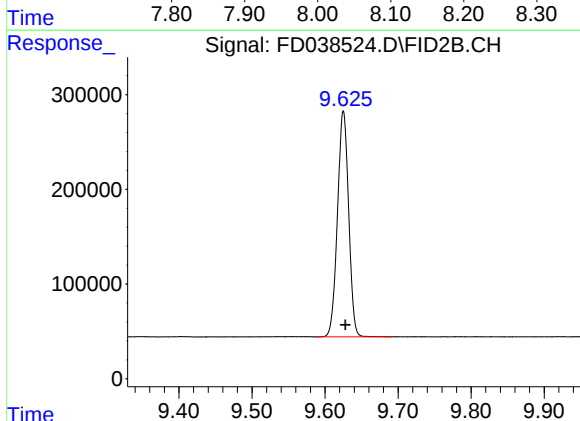
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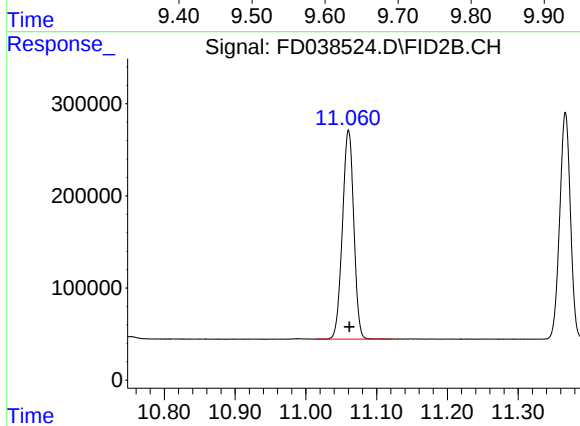
#6 n-Tetradecane (C14)

R.T.: 8.033 min
Delta R.T.: -0.003 min
Response: 2560453
Conc: 21.07 ug/ml



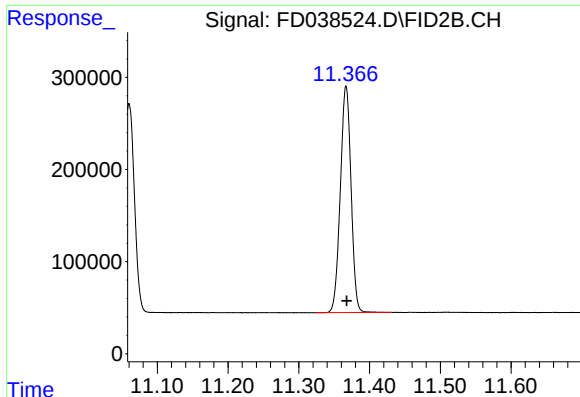
#7 n-Hexadecane (C16)

R.T.: 9.625 min
Delta R.T.: -0.003 min
Response: 2534209
Conc: 20.74 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.060 min
Delta R.T.: -0.002 min
Response: 2530880
Conc: 20.10 ug/ml



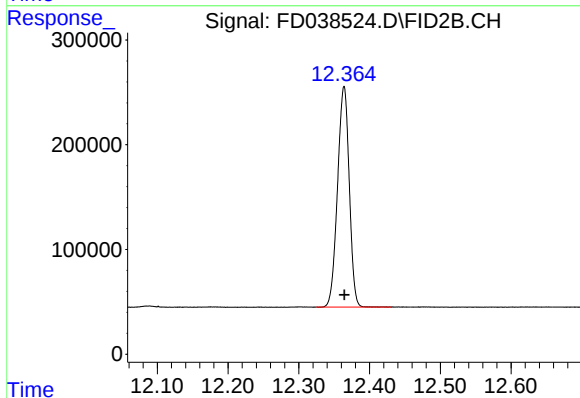
#9 ortho-Terphenyl (SURR)

R.T.: 11.367 min
Delta R.T.: -0.001 min
Response: 2587935
Conc: 18.96 ug/ml

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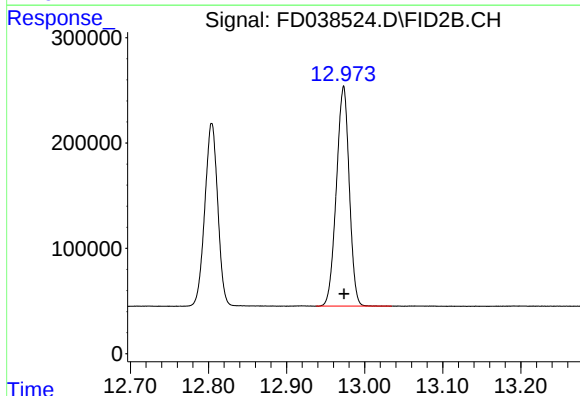
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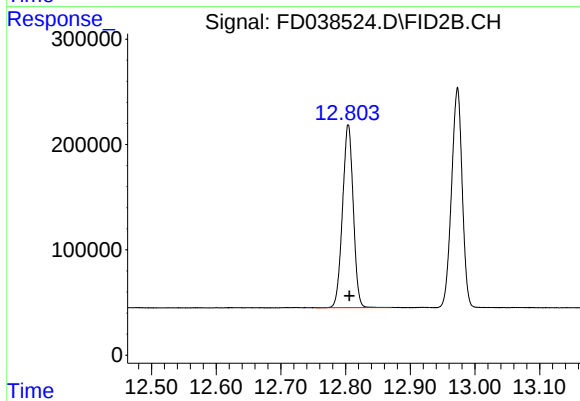
#10 n-Eicosane (C20)

R.T.: 12.364 min
Delta R.T.: 0.000 min
Response: 2420917
Conc: 19.21 ug/ml



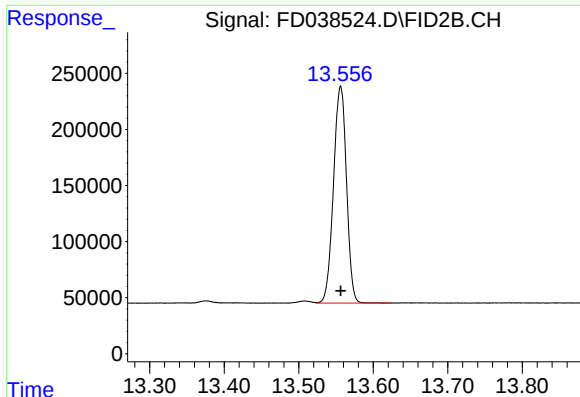
#11 n-Heneicosane (C21)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 2392301
Conc: 18.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.804 min
Delta R.T.: -0.002 min
Response: 1999437
Conc: 18.59 ug/ml



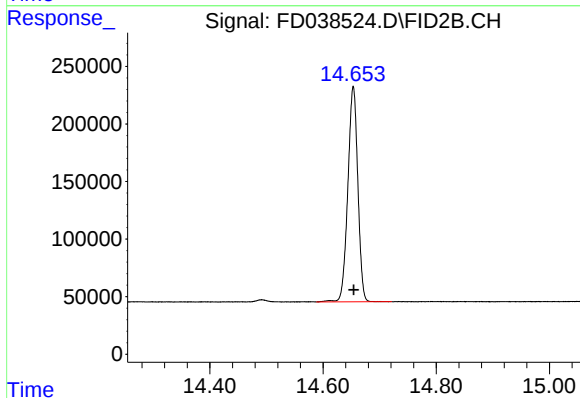
#13 n-Docosane (C22)

R.T.: 13.556 min
Delta R.T.: 0.000 min
Response: 2343506
Conc: 18.41 ug/ml

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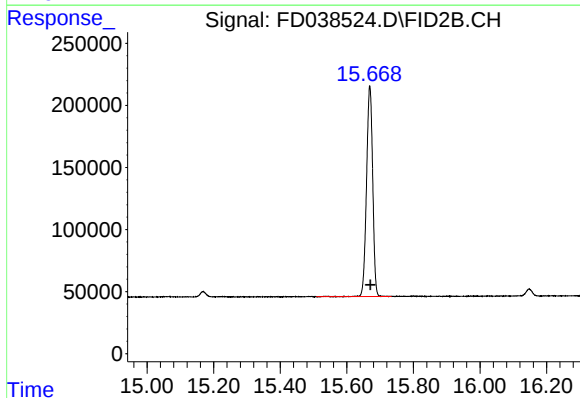
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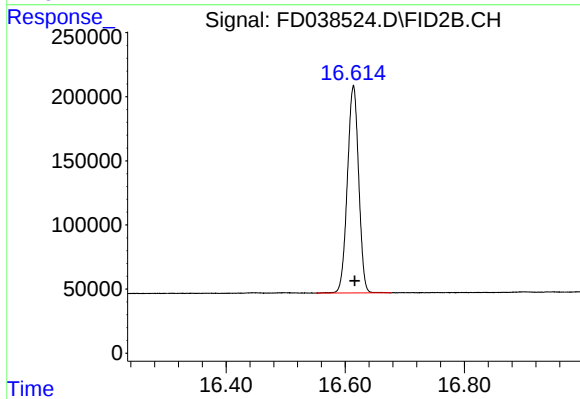
#14 n-Tetracosane (C24)

R.T.: 14.653 min
Delta R.T.: 0.000 min
Response: 2289025
Conc: 17.80 ug/ml



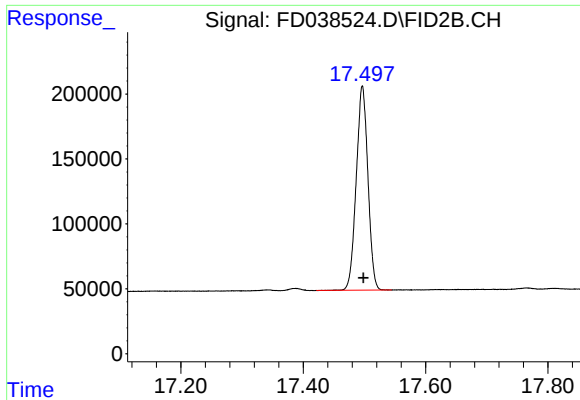
#15 n-Hexacosane (C26)

R.T.: 15.669 min
Delta R.T.: -0.002 min
Response: 2175224
Conc: 17.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.614 min
Delta R.T.: -0.002 min
Response: 2126906
Conc: 16.67 ug/ml



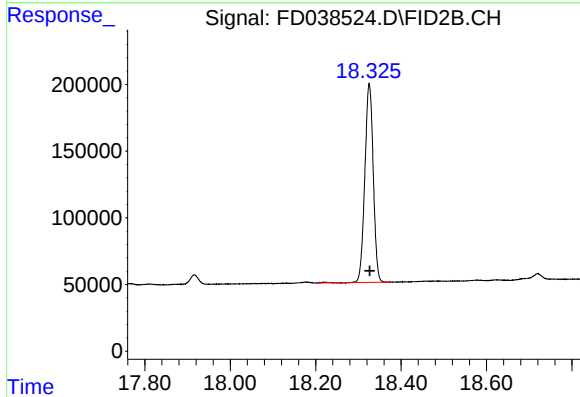
#17 n-Tricontane (C30)

R.T.: 17.497 min
Delta R.T.: -0.001 min
Response: 2084113
Conc: 16.45 ug/ml

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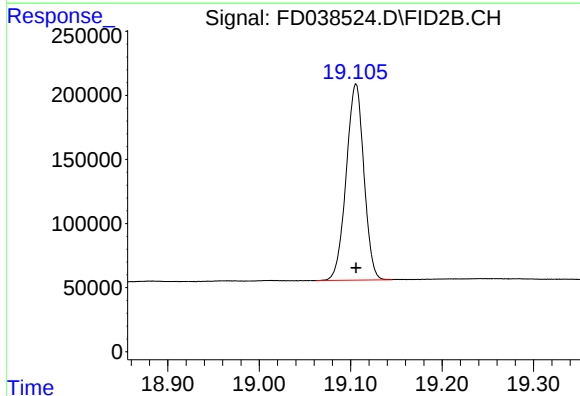
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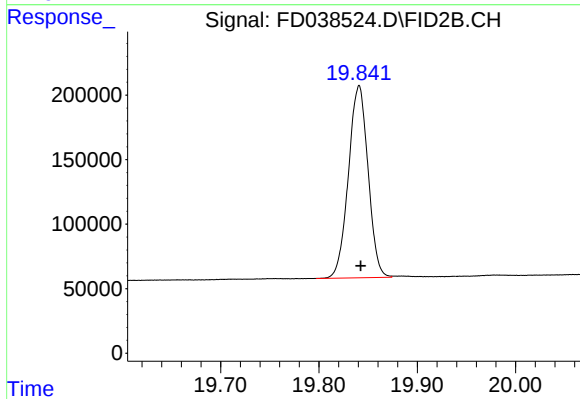
#18 n-Dotriacontane (C32)

R.T.: 18.326 min
Delta R.T.: -0.001 min
Response: 2039019
Conc: 16.59 ug/ml



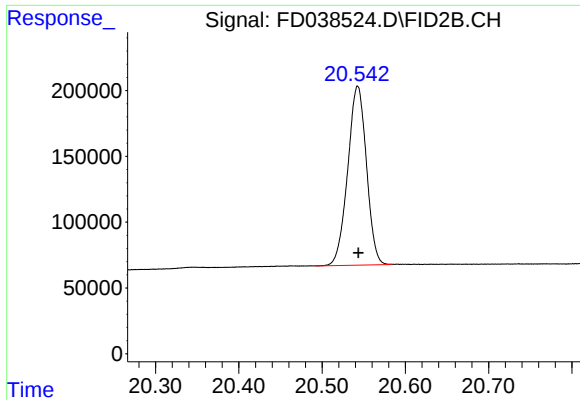
#19 n-Tetratriacontane (C34)

R.T.: 19.105 min
Delta R.T.: 0.000 min
Response: 2060078
Conc: 17.26 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.841 min
Delta R.T.: -0.002 min
Response: 2070170
Conc: 18.57 ug/ml m



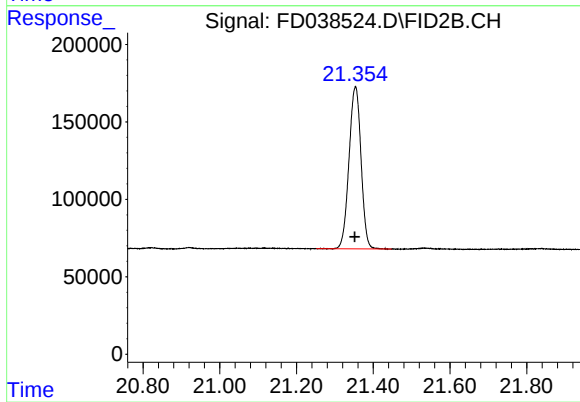
#21 n-Octatriacontane (C38)

R.T.: 20.542 min
Delta R.T.: -0.002 min
Response: 2128512
Conc: 20.59 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.353 min
Delta R.T.: 0.001 min
Response: 2276950
Conc: 22.69 ug/ml