

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081621AL\
 Data File : FD038559.D
 Signal(s) : FID2B.CH
 Acq On : 16 Aug 2021 11:01
 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 3:46:02 PM

Integration File: autoint1.e
 Quant Time: Aug 17 03:48:08 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)	11.363	2502006	18.329 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
12) S 1-chlorooctadecane (S...	12.799	1938535	18.027 ug/ml
Spiked Amount 50.000		Recovery =	36.05%
Target Compounds			
1) T n-Nonane (C9)	3.189	2315450	19.723 ug/ml
2) T n-Decane (C10)	4.242	2373798	20.133 ug/ml
3) T A~Naphthalene (C11.7)	5.808	2626280	20.119 ug/ml
4) T n-Dodecane (C12)	6.245	2394917	20.169 ug/ml
5) T A~2-methylnaphthalene...	6.858	2637579	20.156 ug/ml
6) T n-Tetradecane (C14)	8.031	2424148	19.946 ug/ml
7) T n-Hexadecane (C16)	9.623	2414951	19.760 ug/ml
8) T n-Octadecane (C18)	11.057	2425898	19.268 ug/ml
10) T n-Eicosane (C20)	12.359	2338548	18.552 ug/ml
11) T n-Heneicosane (C21)	12.967	2325292	18.216 ug/ml
13) T n-Docosane (C22)	13.551	2261916	17.768 ug/ml
14) T n-Tetracosane (C24)	14.648	2181243	16.957 ug/ml
15) T n-Hexacosane (C26)	15.664	2054472	16.133 ug/ml
16) T n-Octacosane (C28)	16.608	1982281	15.537 ug/ml
17) T n-Tricontane (C30)	17.493	1918678	15.144 ug/ml
18) T n-Dotriacontane (C32)	18.321	1867610	15.199 ug/ml
19) T n-Tetratriacontane (C34)	19.101	1861563	15.597 ug/ml
20) T n-Hexatriacontane (C36)	19.836	1868291	16.763 ug/mlm
21) T n-Octatriacontane (C38)	20.538	1960804	18.967 ug/ml
22) T n-Tetracontane (C40)	21.346	2043924	20.364 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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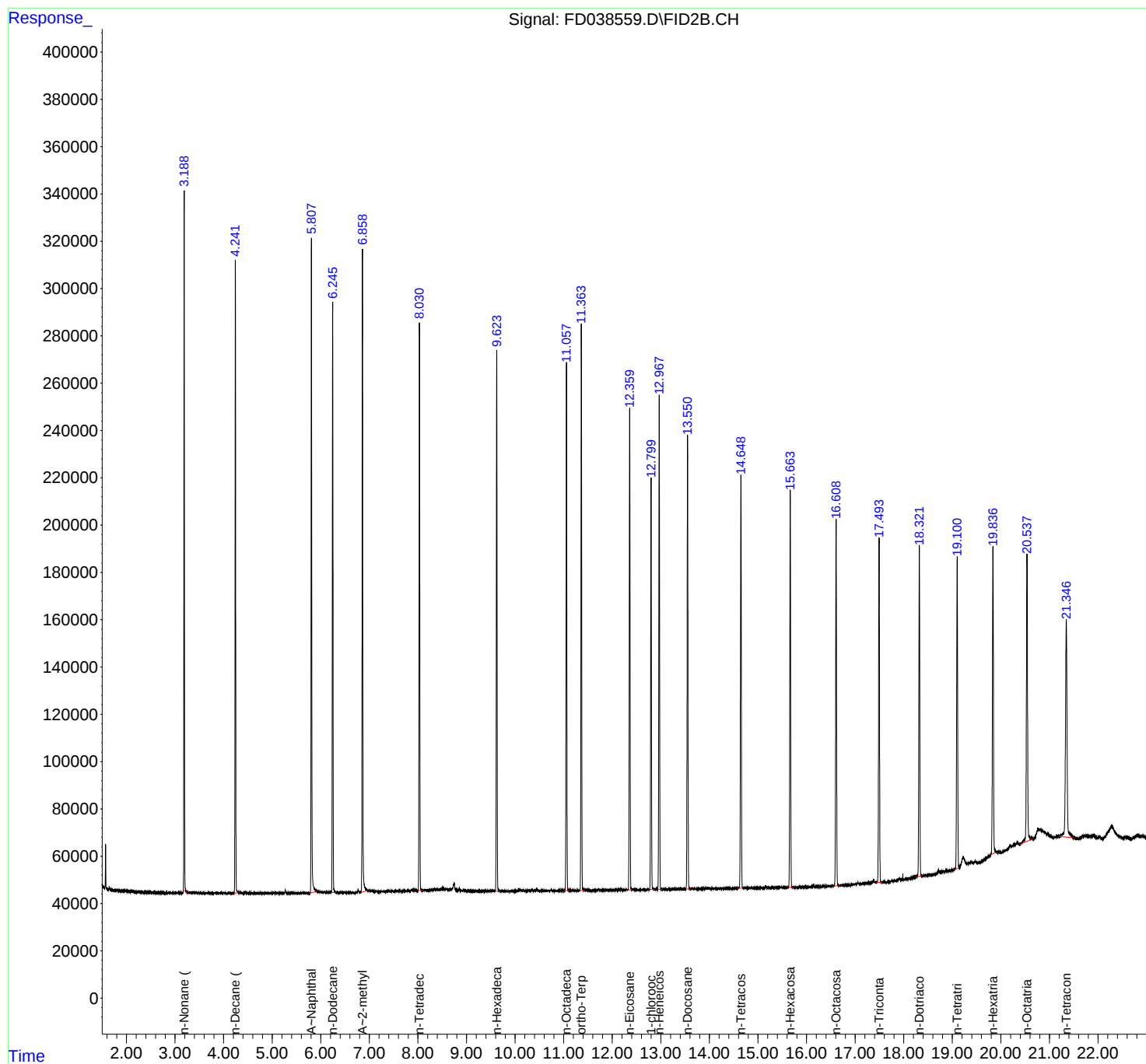
Instrument :
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20 PPM ALIPHATIC HC STD

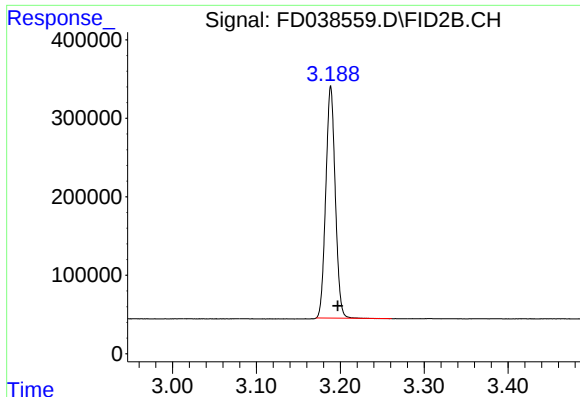
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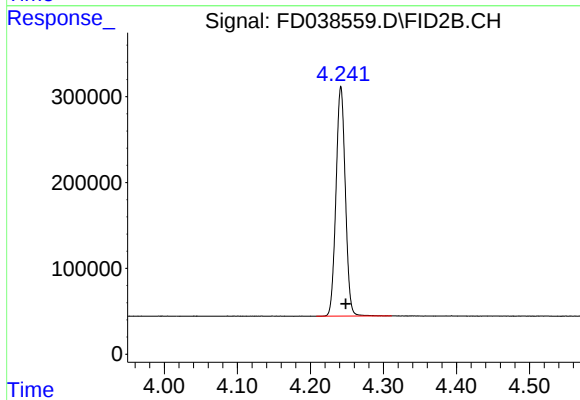
#1 n-Nonane (C9)

R.T.: 3.189 min
Delta R.T.: -0.008 min
Response: 2315450
Conc: 19.72 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

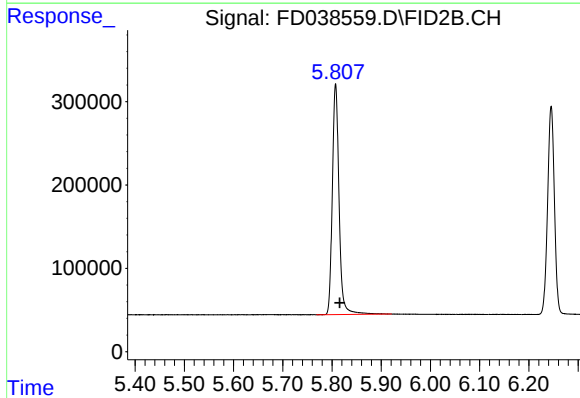
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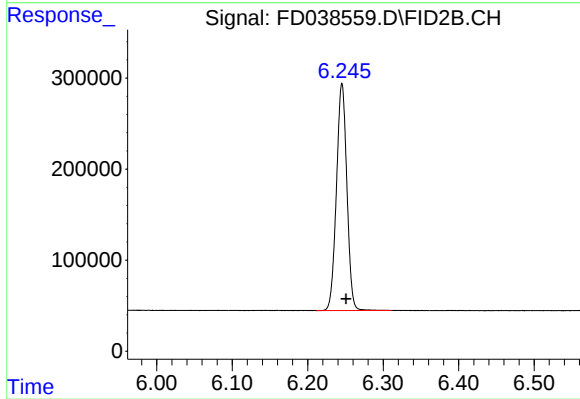
#2 n-Decane (C10)

R.T.: 4.242 min
Delta R.T.: -0.007 min
Response: 2373798
Conc: 20.13 ug/ml



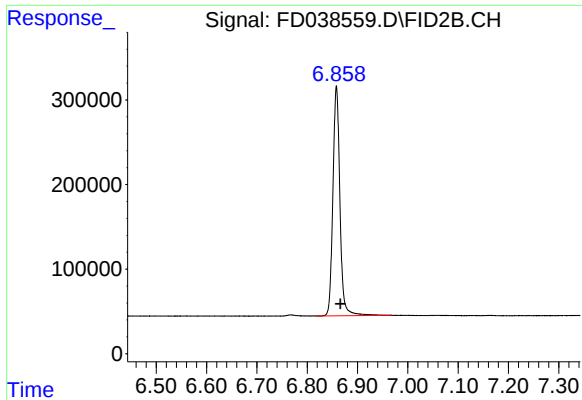
#3 A~Naphthalene (C11.7)

R.T.: 5.808 min
Delta R.T.: -0.008 min
Response: 2626280
Conc: 20.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.245 min
Delta R.T.: -0.006 min
Response: 2394917
Conc: 20.17 ug/ml



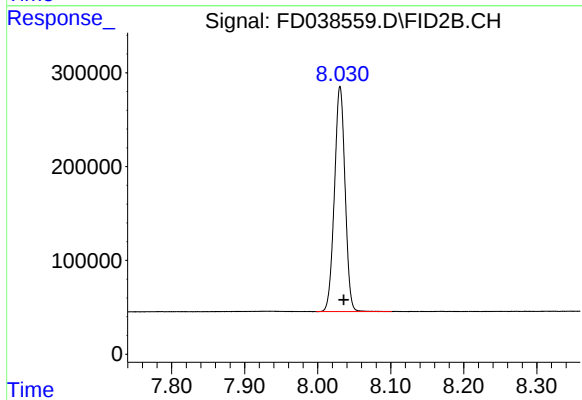
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.858 min
Delta R.T.: -0.008 min
Response: 2637579
Conc: 20.16 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

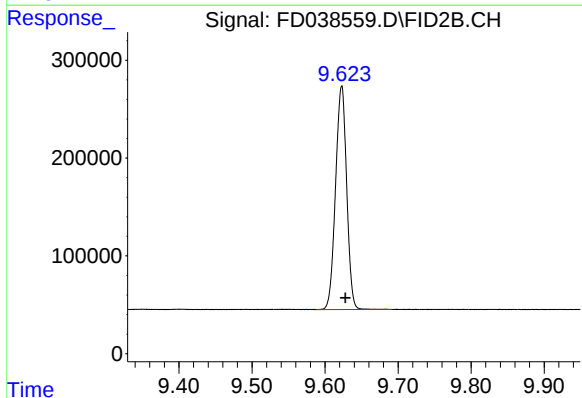
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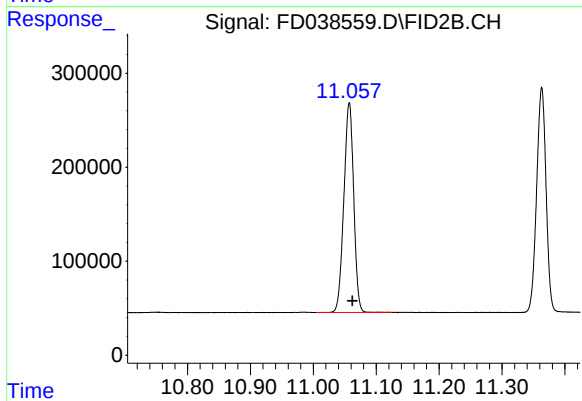
#6 n-Tetradecane (C14)

R.T.: 8.031 min
Delta R.T.: -0.005 min
Response: 2424148
Conc: 19.95 ug/ml



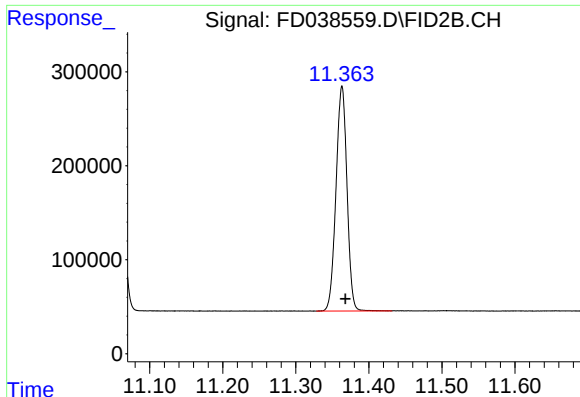
#7 n-Hexadecane (C16)

R.T.: 9.623 min
Delta R.T.: -0.005 min
Response: 2414951
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.057 min
Delta R.T.: -0.005 min
Response: 2425898
Conc: 19.27 ug/ml



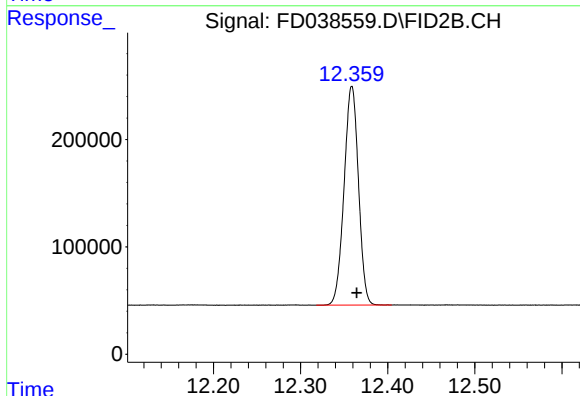
#9 ortho-Terphenyl (SURR)

R.T.: 11.363 min
Delta R.T.: -0.005 min
Response: 2502006
Conc: 18.33 ug/ml

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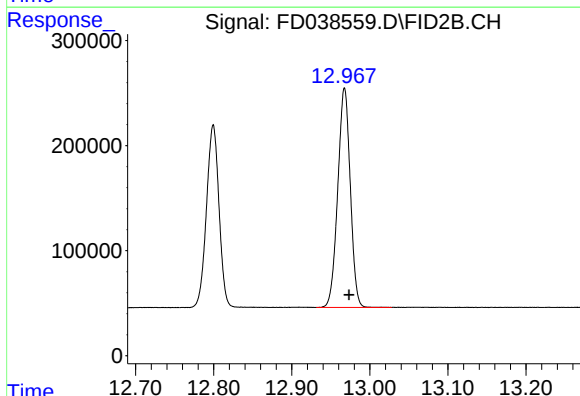
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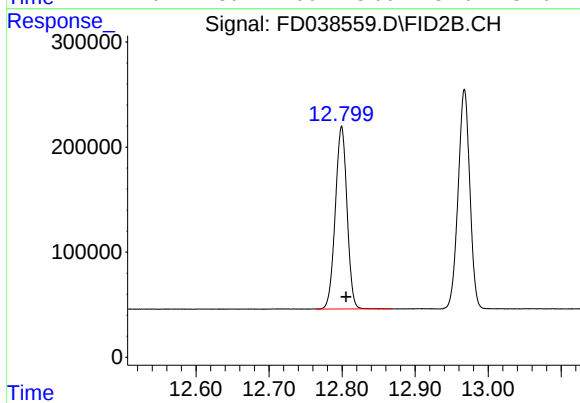
#10 n-Eicosane (C20)

R.T.: 12.359 min
Delta R.T.: -0.006 min
Response: 2338548
Conc: 18.55 ug/ml



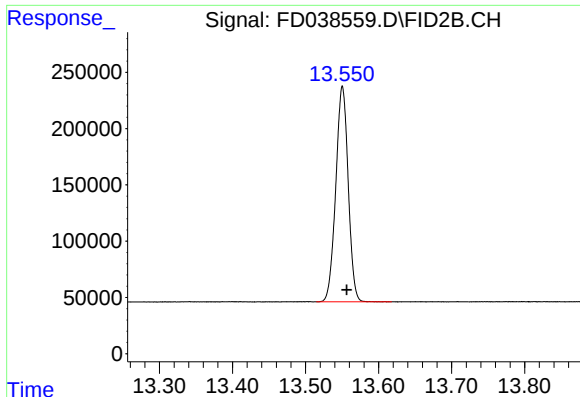
#11 n-Heneicosane (C21)

R.T.: 12.967 min
Delta R.T.: -0.006 min
Response: 2325292
Conc: 18.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.799 min
Delta R.T.: -0.006 min
Response: 1938535
Conc: 18.03 ug/ml



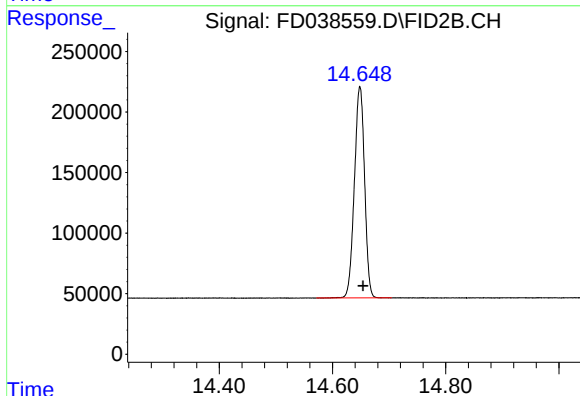
#13 n-Docosane (C22)

R.T.: 13.551 min
Delta R.T.: -0.006 min
Response: 2261916
Conc: 17.77 ug/ml

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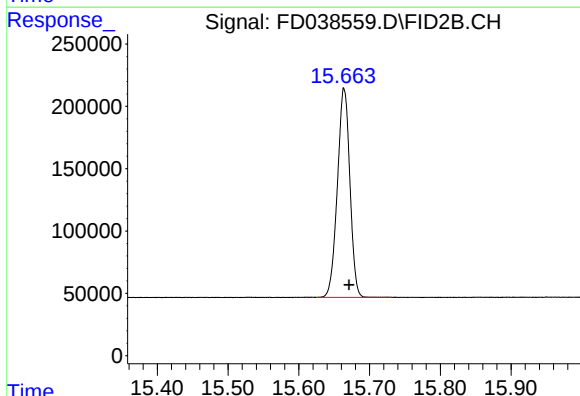
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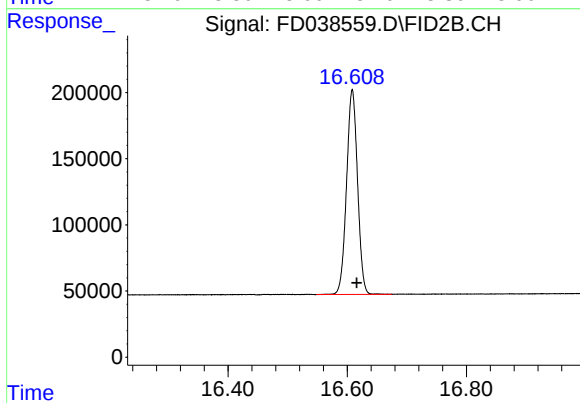
#14 n-Tetracosane (C24)

R.T.: 14.648 min
Delta R.T.: -0.006 min
Response: 2181243
Conc: 16.96 ug/ml



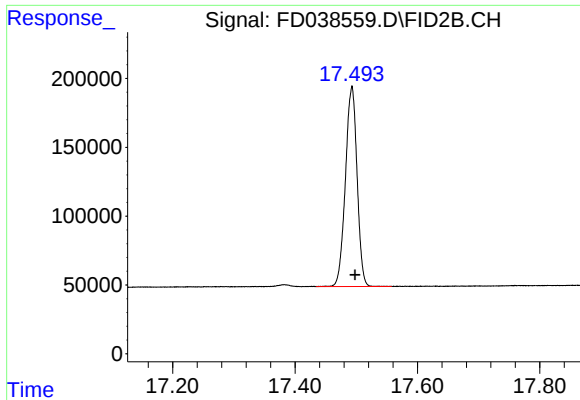
#15 n-Hexacosane (C26)

R.T.: 15.664 min
Delta R.T.: -0.007 min
Response: 2054472
Conc: 16.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.608 min
Delta R.T.: -0.007 min
Response: 1982281
Conc: 15.54 ug/ml



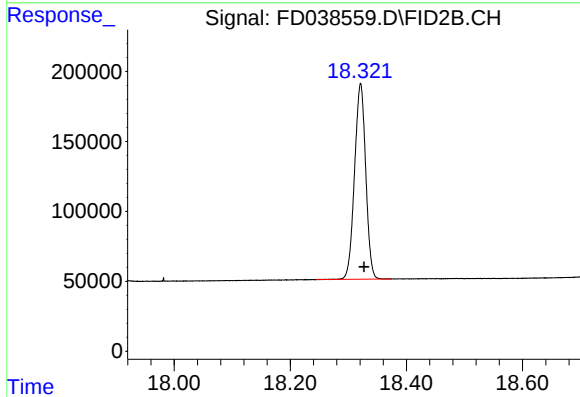
#17 n-Tricontane (C30)

R.T.: 17.493 min
Delta R.T.: -0.006 min
Response: 1918678
Conc: 15.14 ug/ml

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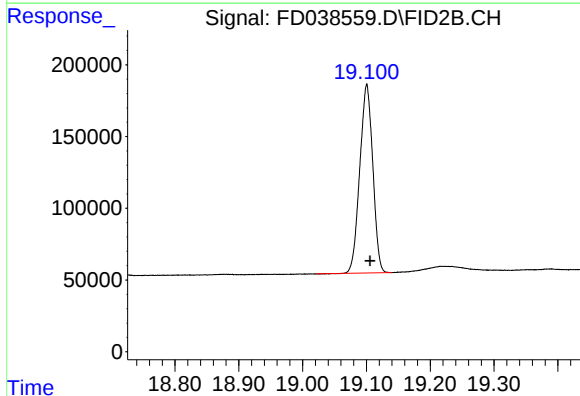
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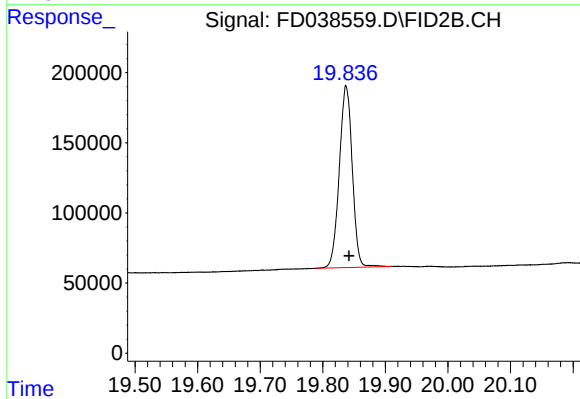
#18 n-Dotriacontane (C32)

R.T.: 18.321 min
Delta R.T.: -0.006 min
Response: 1867610
Conc: 15.20 ug/ml



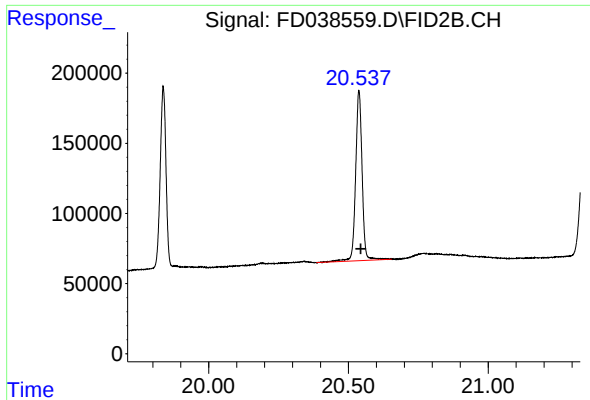
#19 n-Tetratriacontane (C34)

R.T.: 19.101 min
Delta R.T.: -0.005 min
Response: 1861563
Conc: 15.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.836 min
Delta R.T.: -0.006 min
Response: 1868291
Conc: 16.76 ug/ml m



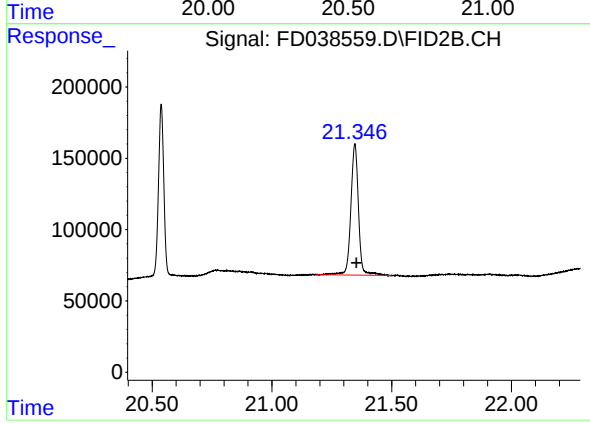
#21 n-Octatriacontane (C38)

R.T.: 20.538 min
Delta R.T.: -0.006 min
Response: 1960804
Conc: 18.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.346 min
Delta R.T.: -0.006 min
Response: 2043924
Conc: 20.36 ug/ml