

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081021AL\
 Data File : FD038489.D
 Signal(s) : FID2B.CH
 Acq On : 11 Aug 2021 7:20
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 8/12/2021 11:55:25 AM

Integration File: sample.E
 Quant Time: Aug 11 09:23:15 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)	11.366	2643497	19.366 ug/ml
Spiked Amount 50.000		Recovery =	38.73%
12) S 1-chlorooctadecane (S...	12.803	2072079	19.269 ug/ml
Spiked Amount 50.000		Recovery =	38.54%
Target Compounds			
1) T n-Nonane (C9)	3.191	2340380	19.935 ug/ml
2) T n-Decane (C10)	4.244	2385116	20.229 ug/ml
3) T A~Naphthalene (C11.7)	5.809	2657979	20.362 ug/ml
4) T n-Dodecane (C12)	6.247	2401145	20.222 ug/ml
5) T A~2-methylnaphthalene...	6.859	2684637	20.516 ug/ml
6) T n-Tetradecane (C14)	8.032	2437757	20.058 ug/ml
7) T n-Hexadecane (C16)	9.625	2451427	20.058 ug/ml
8) T n-Octadecane (C18)	11.059	2494617	19.814 ug/ml
10) T n-Eicosane (C20)	12.362	2449815	19.434 ug/ml
11) T n-Heneicosane (C21)	12.971	2461196	19.280 ug/ml
13) T n-Docosane (C22)	13.554	2427929	19.072 ug/ml
14) T n-Tetracosane (C24)	14.652	2395238	18.621 ug/ml
15) T n-Hexacosane (C26)	15.668	2272826	17.847 ug/ml
16) T n-Octacosane (C28)	16.613	2170478	17.012 ug/ml
17) T n-Tricontane (C30)	17.496	2056830	16.234 ug/ml
18) T n-Dotriacontane (C32)	18.324	1972204	16.050 ug/ml
19) T n-Tetratriacontane (C34)	19.104	1976249	16.558 ug/ml
20) T n-Hexatriacontane (C36)	19.839	2025432	18.173 ug/mlm
21) T n-Octatriacontane (C38)	20.541	2103266	20.345 ug/ml
22) T n-Tetracontane (C40)	21.350	2167955	21.600 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 57 Sample Multiplier: 1

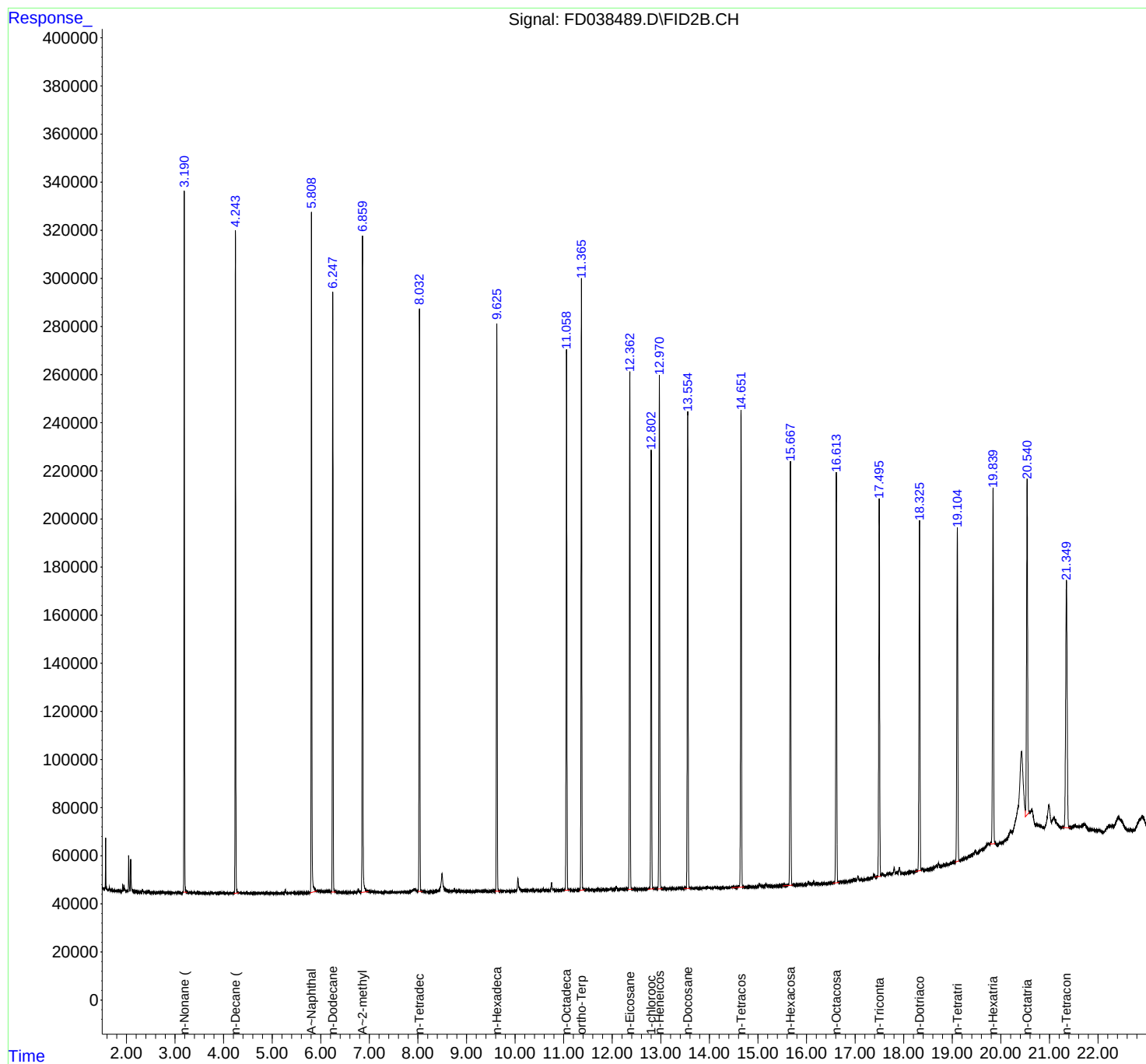
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20 PPM ALIPHATIC HC STD

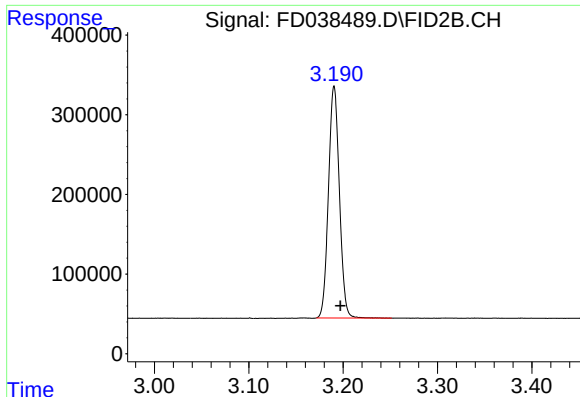
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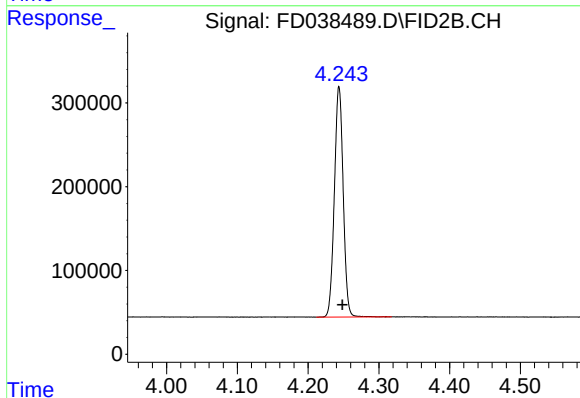
#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.006 min
Response: 2340380
Conc: 19.94 ug/ml

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20 PPM ALIPHATIC HC STD

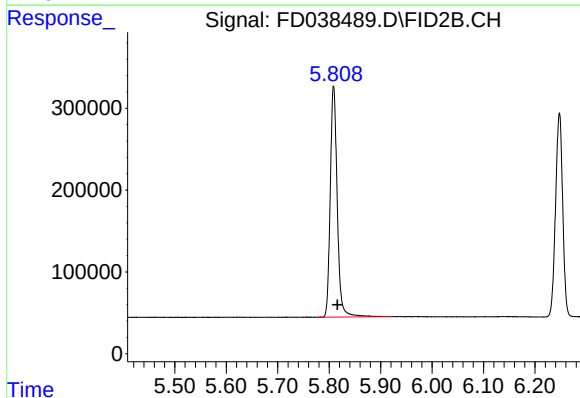
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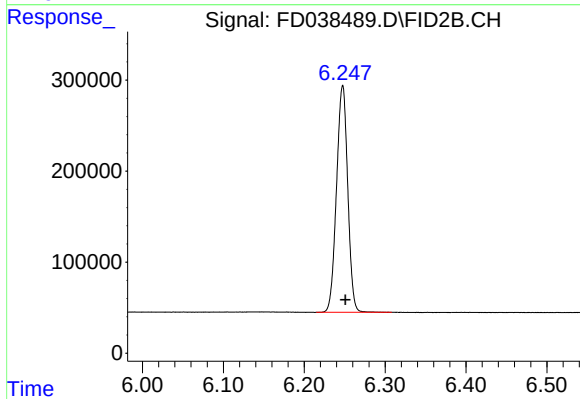
#2 n-Decane (C10)

R.T.: 4.244 min
Delta R.T.: -0.005 min
Response: 2385116
Conc: 20.23 ug/ml



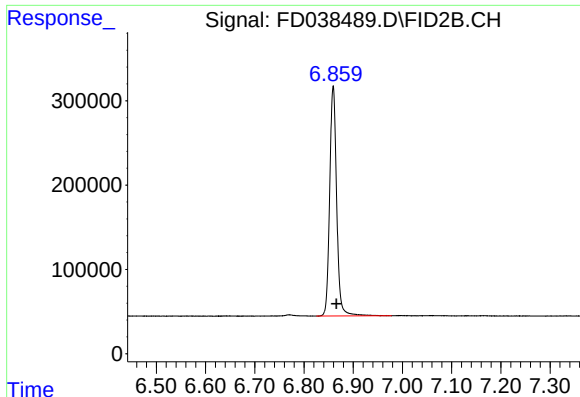
#3 A~Naphthalene (C11.7)

R.T.: 5.809 min
Delta R.T.: -0.007 min
Response: 2657979
Conc: 20.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 2401145
Conc: 20.22 ug/ml



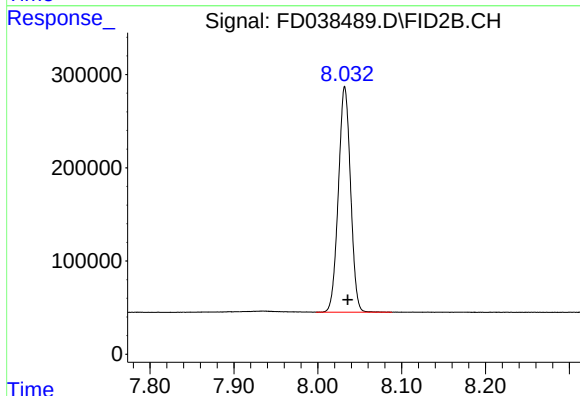
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.859 min
Delta R.T.: -0.007 min
Response: 2684637
Conc: 20.52 ug/ml

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20 PPM ALIPHATIC HC STD

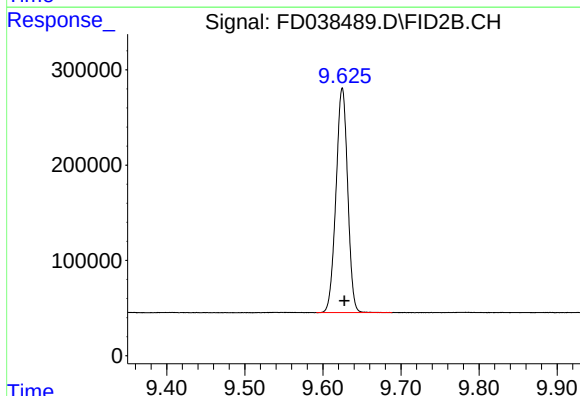
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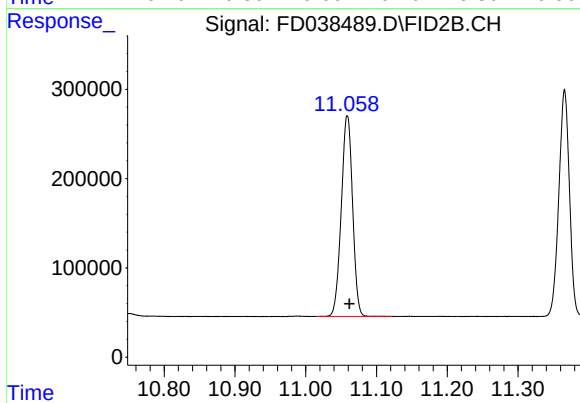
#6 n-Tetradecane (C14)

R.T.: 8.032 min
Delta R.T.: -0.004 min
Response: 2437757
Conc: 20.06 ug/ml



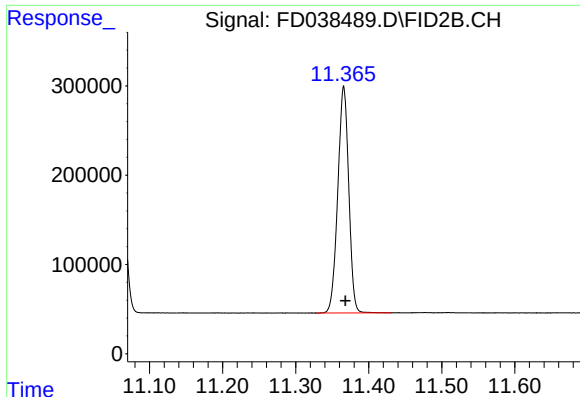
#7 n-Hexadecane (C16)

R.T.: 9.625 min
Delta R.T.: -0.003 min
Response: 2451427
Conc: 20.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.059 min
Delta R.T.: -0.003 min
Response: 2494617
Conc: 19.81 ug/ml



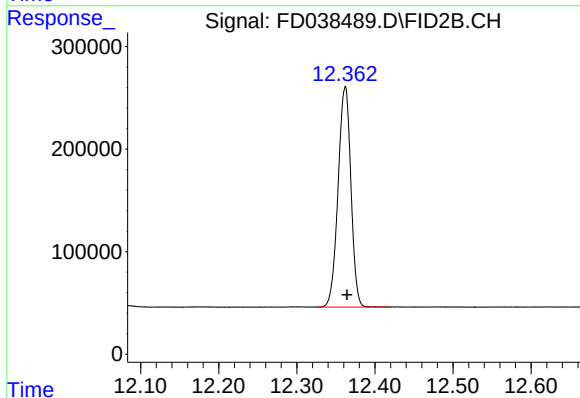
#9 ortho-Terphenyl (SURR)

R.T.: 11.366 min
Delta R.T.: -0.002 min
Response: 2643497
Conc: 19.37 ug/ml

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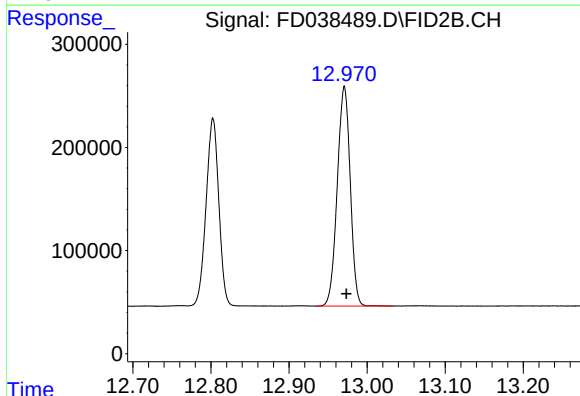
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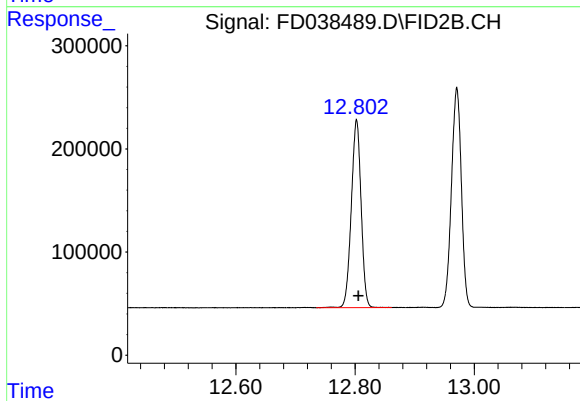
#10 n-Eicosane (C20)

R.T.: 12.362 min
Delta R.T.: -0.003 min
Response: 2449815
Conc: 19.43 ug/ml



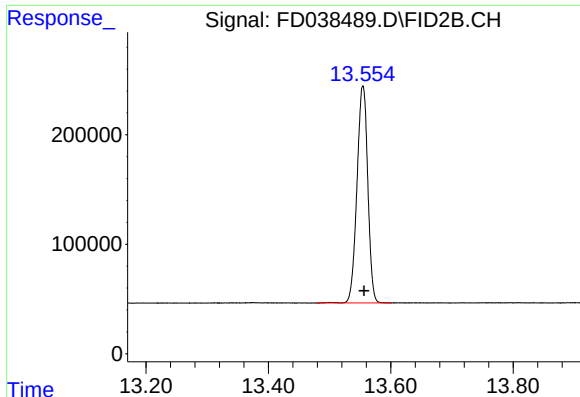
#11 n-Heneicosane (C21)

R.T.: 12.971 min
Delta R.T.: -0.003 min
Response: 2461196
Conc: 19.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.803 min
Delta R.T.: -0.003 min
Response: 2072079
Conc: 19.27 ug/ml



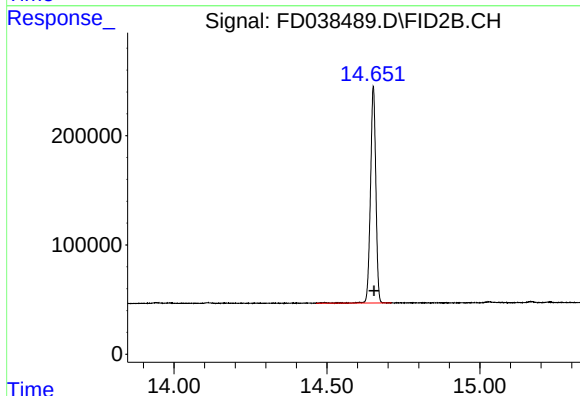
#13 n-Docosane (C22)

R.T.: 13.554 min
Delta R.T.: -0.002 min
Response: 2427929
Conc: 19.07 ug/ml

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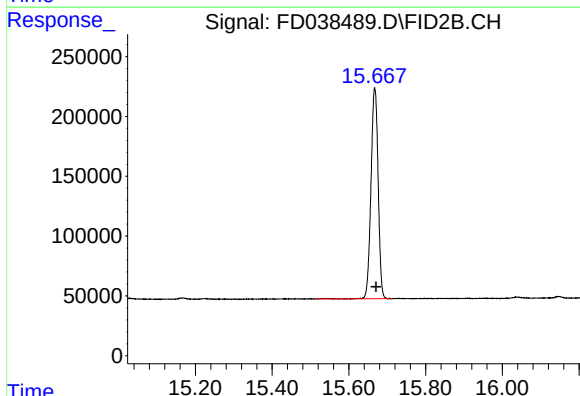
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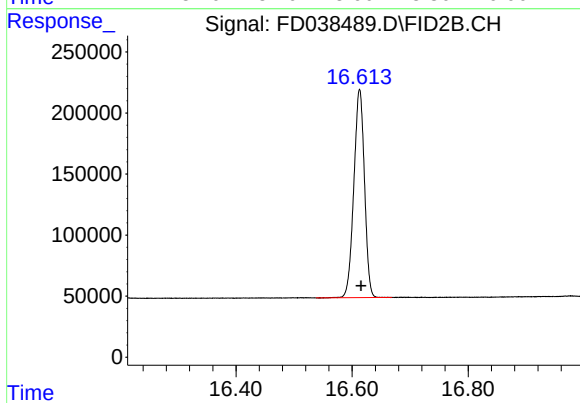
#14 n-Tetracosane (C24)

R.T.: 14.652 min
Delta R.T.: -0.003 min
Response: 2395238
Conc: 18.62 ug/ml



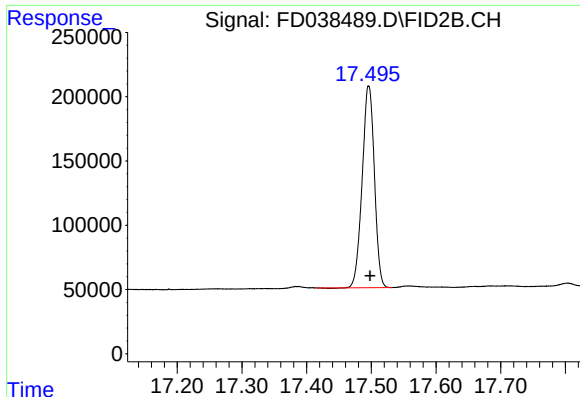
#15 n-Hexacosane (C26)

R.T.: 15.668 min
Delta R.T.: -0.003 min
Response: 2272826
Conc: 17.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.613 min
Delta R.T.: -0.003 min
Response: 2170478
Conc: 17.01 ug/ml



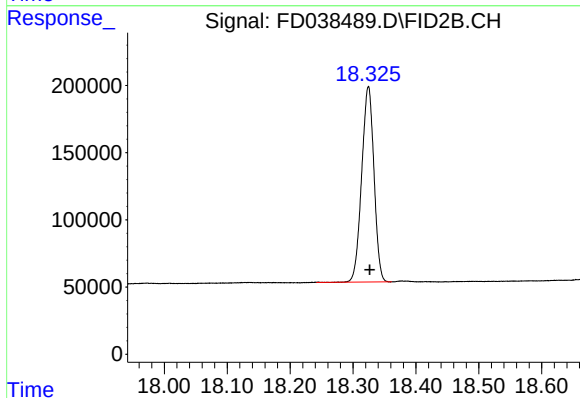
#17 n-Tricontane (C30)

R.T.: 17.496 min
Delta R.T.: -0.002 min
Response: 2056830
Conc: 16.23 ug/ml

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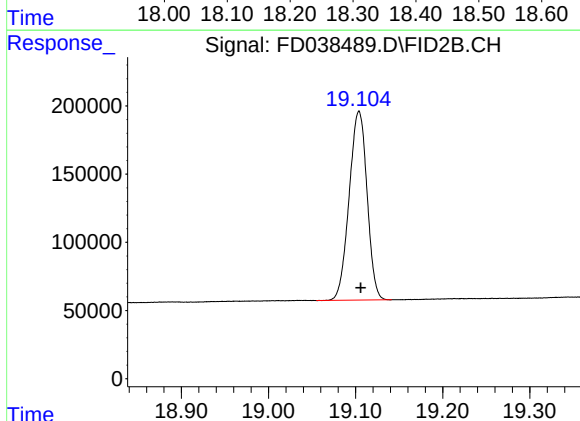
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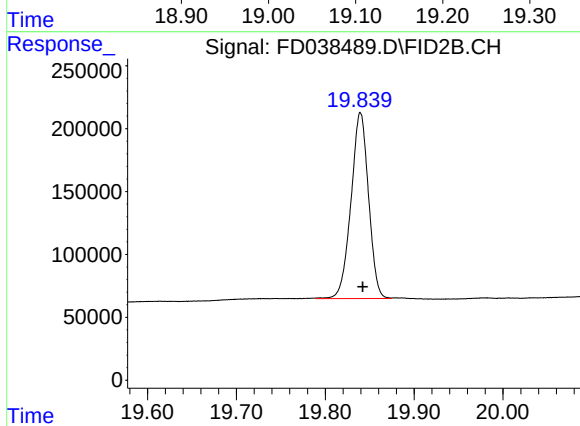
#18 n-Dotriacontane (C32)

R.T.: 18.324 min
Delta R.T.: -0.003 min
Response: 1972204
Conc: 16.05 ug/ml



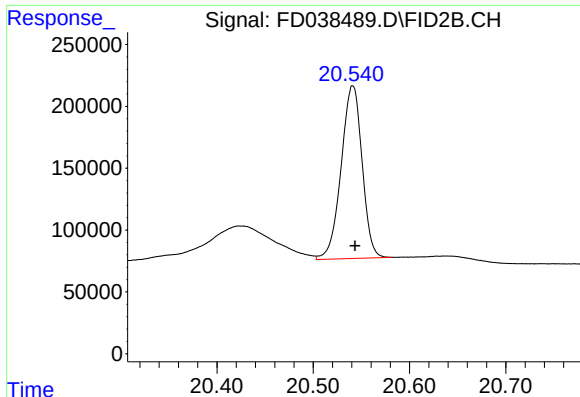
#19 n-Tetratriacontane (C34)

R.T.: 19.104 min
Delta R.T.: -0.002 min
Response: 1976249
Conc: 16.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.839 min
Delta R.T.: -0.004 min
Response: 2025432
Conc: 18.17 ug/ml m



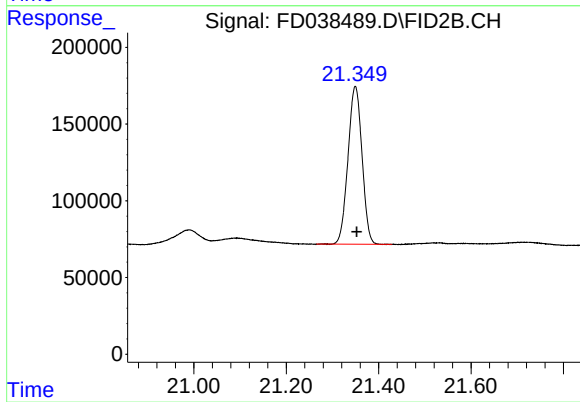
#21 n-Octatriacontane (C38)

R.T.: 20.541 min
Delta R.T.: -0.003 min
Response: 2103266
Conc: 20.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.350 min
Delta R.T.: -0.003 min
Response: 2167955
Conc: 21.60 ug/ml