

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082719AL\
 Data File : FD030309.D
 Signal(s) : FID2B.CH
 Acq On : 27 Aug 2019 10:29
 Operator : DD\AJ
 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

Ankita
 8/28/2019 3:43:24 PM

Integration File: autoint1.e
 Quant Time: Aug 27 23:49:18 2019
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 080819.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 08 17:24:17 2019
 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)	11.541	2690939	19.577 ug/ml
Spiked Amount 50.000		Recovery =	39.15%
12) S 1-chlorooctadecane (S...	12.967	2165441	18.986 ug/ml
Spiked Amount 50.000		Recovery =	37.97%
Target Compounds			
1) T n-Nonane (C9)	3.344	2705420	22.607 ug/ml
2) T n-Decane (C10)	4.405	2763098	22.720 ug/ml
3) T A-Naphthalene (C11.7)	5.983	3066128	22.271 ug/ml
4) T n-Dodecane (C12)	6.413	2756862	22.608 ug/ml
5) T A~2-methylnaphthalene...	7.034	3059413	22.121 ug/ml
6) T n-Tetradecane (C14)	8.199	2745538	22.259 ug/ml
7) T n-Hexadecane (C16)	9.792	2700805	21.630 ug/ml
8) T n-Octadecane (C18)	11.224	2638254	20.636 ug/ml
10) T n-Eicosane (C20)	12.525	2556821	19.693 ug/ml
11) T n-Heneicosane (C21)	13.132	2499234	19.244 ug/ml
13) T n-Docosane (C22)	13.714	2437916	18.671 ug/ml
14) T n-Tetracosane (C24)	14.809	2353964	17.935 ug/ml
15) T n-Hexacosane (C26)	15.822	2233680	17.318 ug/ml
16) T n-Octacosane (C28)	16.764	2178521	17.170 ug/ml
17) T n-Tricontane (C30)	17.645	2104640	17.367 ug/ml
18) T n-Dotriacontane (C32)	18.470	1972041	17.587 ug/ml
19) T n-Tetratriacontane (C34)	19.246	1722741	19.430 ug/mlm
20) T n-Hexatriacontane (C36)	19.980	1563773	21.041 ug/mlm
21) T n-Octatriacontane (C38)	20.693	1503790	22.592 ug/mlm
22) T n-Tetracontane (C40)	21.558	1464464	20.733 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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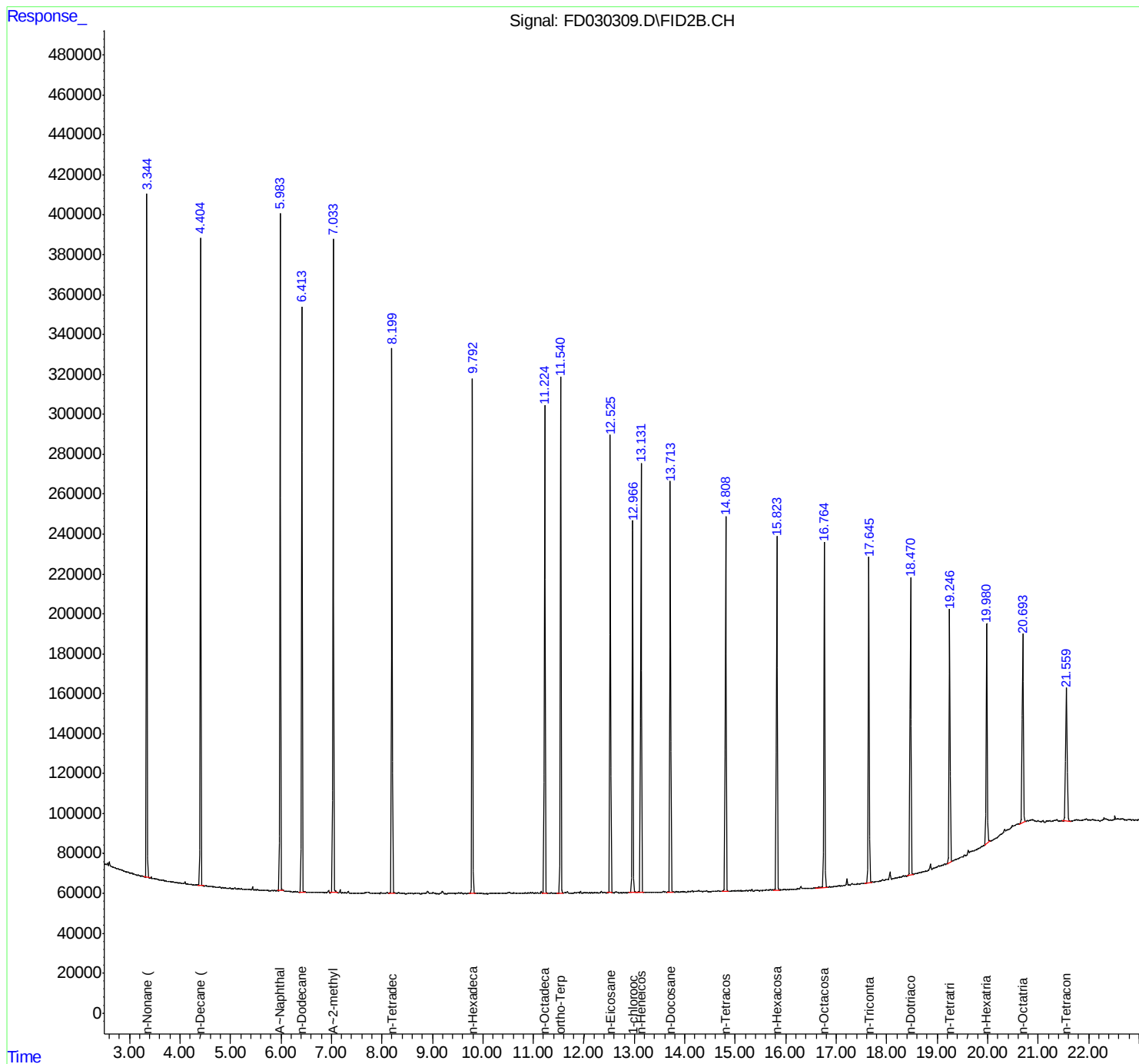
Instrument :
FID_D
ClientSampled :
20 PPM ALIPHATIC HC STD

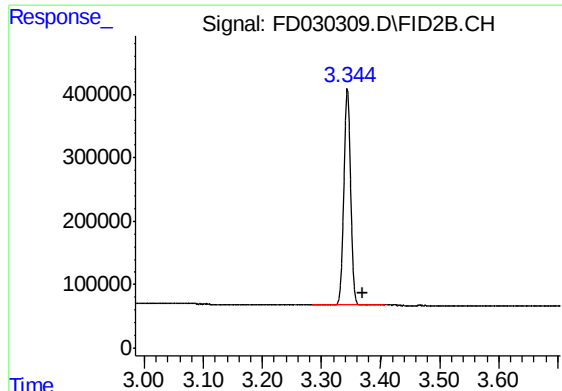
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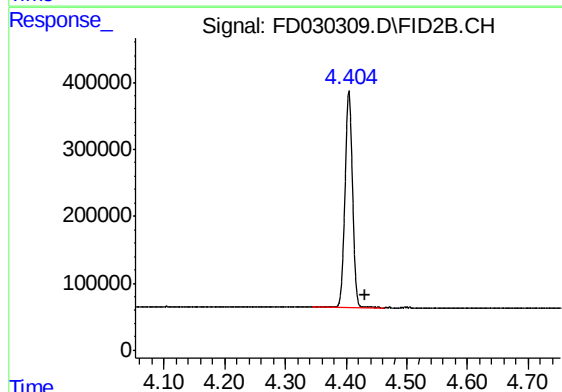
#1 n-Nonane (C9)

R.T.: 3.344 min
Delta R.T.: -0.025 min
Response: 2705420
Conc: 22.61 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

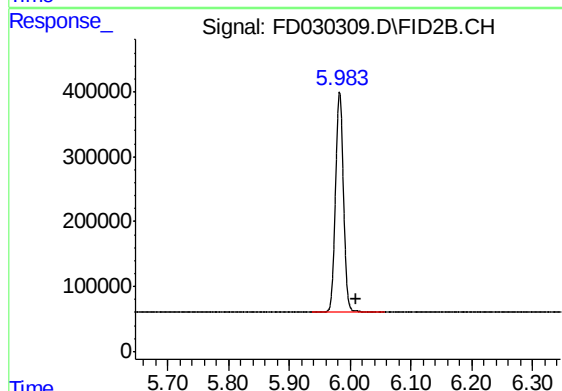
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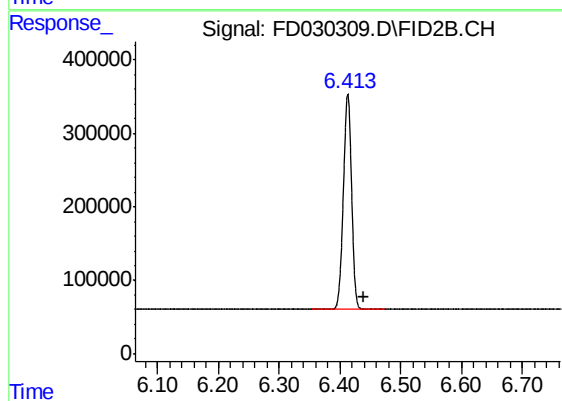
#2 n-Decane (C10)

R.T.: 4.405 min
Delta R.T.: -0.026 min
Response: 2763098
Conc: 22.72 ug/ml



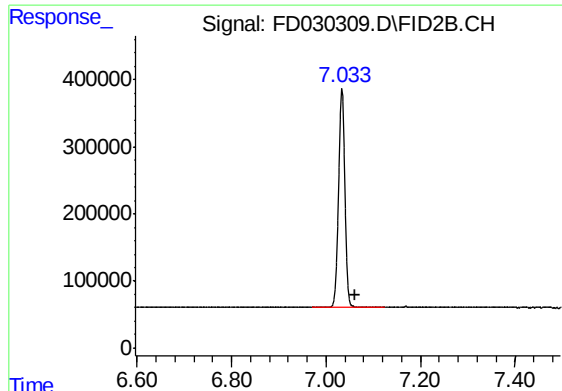
#3 A~Naphthalene (C11.7)

R.T.: 5.983 min
Delta R.T.: -0.027 min
Response: 3066128
Conc: 22.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.413 min
Delta R.T.: -0.026 min
Response: 2756862
Conc: 22.61 ug/ml



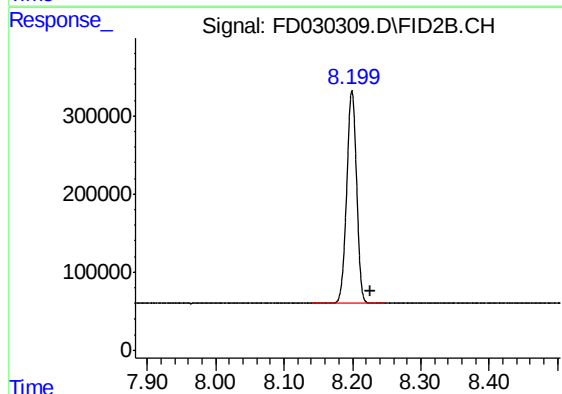
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.034 min
Delta R.T.: -0.027 min
Response: 3059413
Conc: 22.12 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

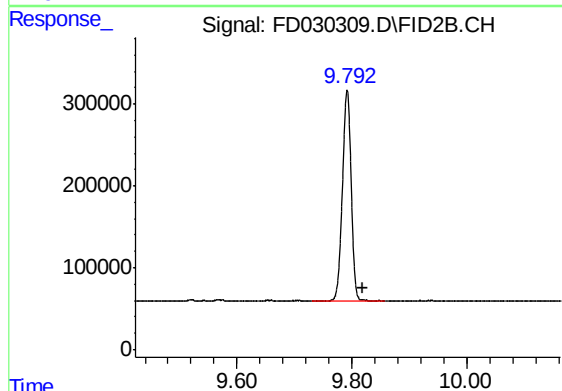
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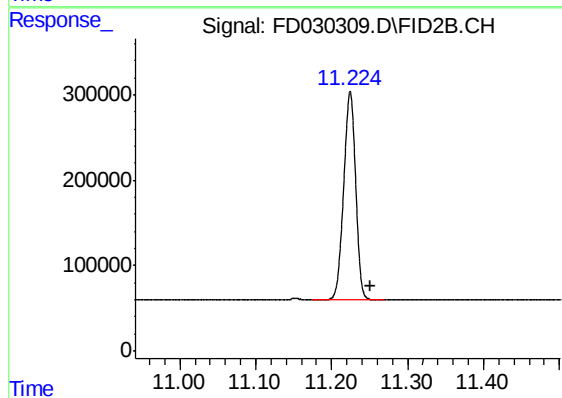
#6 n-Tetradecane (C14)

R.T.: 8.199 min
Delta R.T.: -0.026 min
Response: 2745538
Conc: 22.26 ug/ml



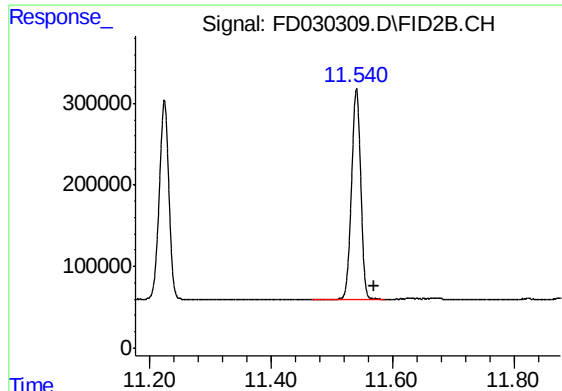
#7 n-Hexadecane (C16)

R.T.: 9.792 min
Delta R.T.: -0.026 min
Response: 2700805
Conc: 21.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.224 min
Delta R.T.: -0.027 min
Response: 2638254
Conc: 20.64 ug/ml



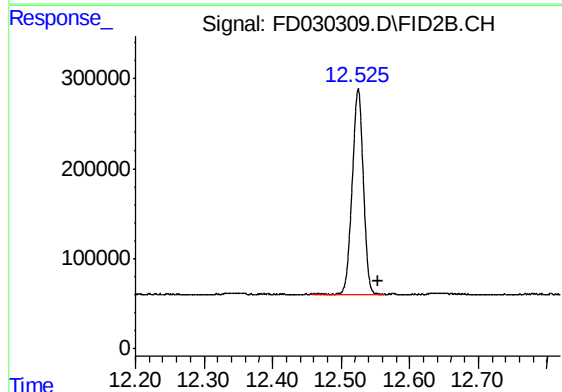
#9 ortho-Terphenyl (SURR)

R.T.: 11.541 min
Delta R.T.: -0.029 min
Response: 2690939
Conc: 19.58 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

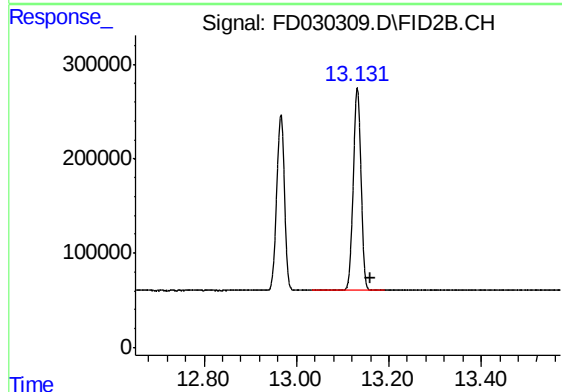
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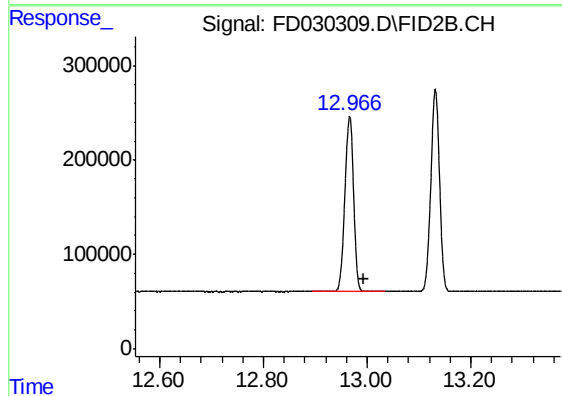
#10 n-Eicosane (C20)

R.T.: 12.525 min
Delta R.T.: -0.028 min
Response: 2556821
Conc: 19.69 ug/ml



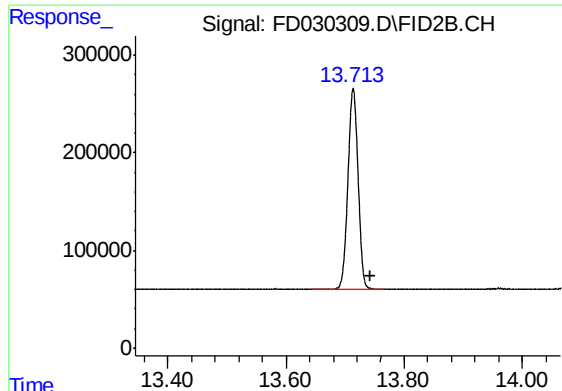
#11 n-Heneicosane (C21)

R.T.: 13.132 min
Delta R.T.: -0.029 min
Response: 2499234
Conc: 19.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.967 min
Delta R.T.: -0.028 min
Response: 2165441
Conc: 18.99 ug/ml



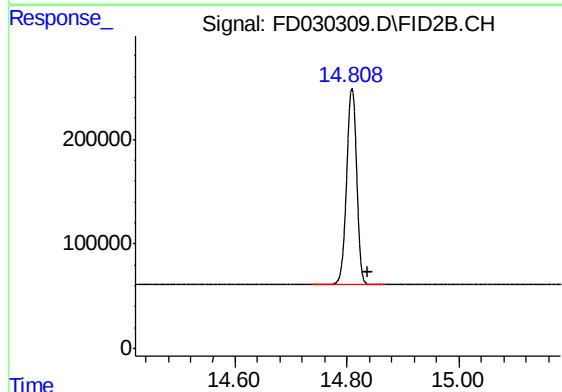
#13 n-Docosane (C22)

R.T.: 13.714 min
Delta R.T.: -0.028 min
Response: 2437916
Conc: 18.67 ug/ml

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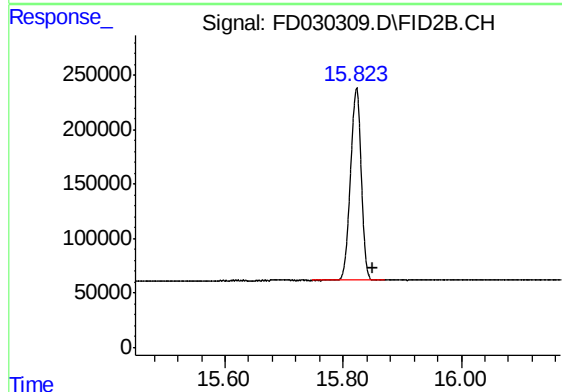
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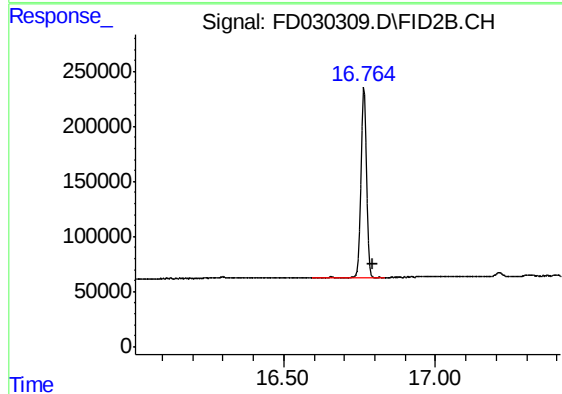
#14 n-Tetracosane (C24)

R.T.: 14.809 min
Delta R.T.: -0.028 min
Response: 2353964
Conc: 17.94 ug/ml



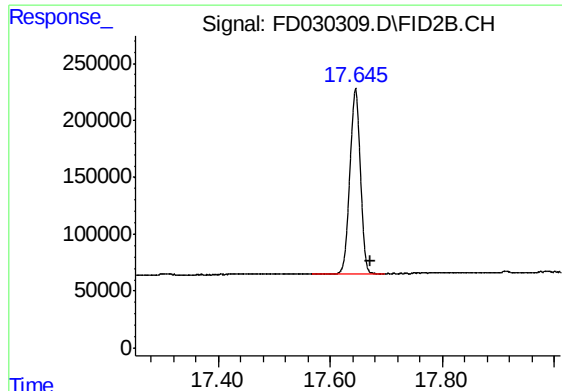
#15 n-Hexacosane (C26)

R.T.: 15.822 min
Delta R.T.: -0.028 min
Response: 2233680
Conc: 17.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.764 min
Delta R.T.: -0.029 min
Response: 2178521
Conc: 17.17 ug/ml



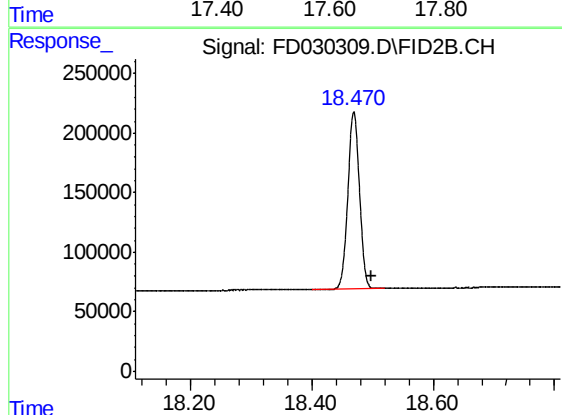
#17 n-Tricontane (C30)

R.T.: 17.645 min
Delta R.T.: -0.027 min
Response: 2104640
Conc: 17.37 ug/ml

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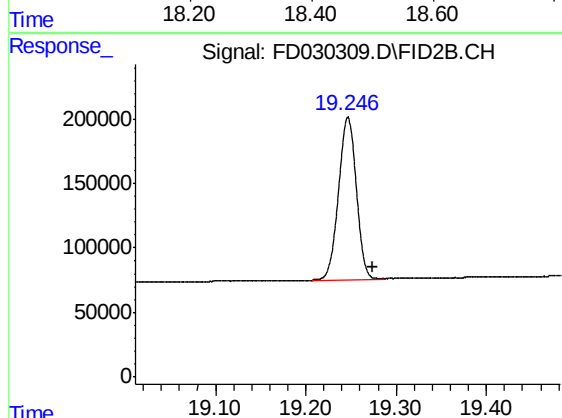
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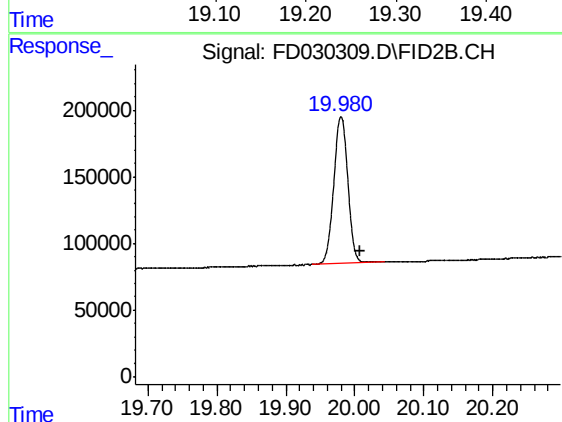
#18 n-Dotriacontane (C32)

R.T.: 18.470 min
Delta R.T.: -0.028 min
Response: 1972041
Conc: 17.59 ug/ml



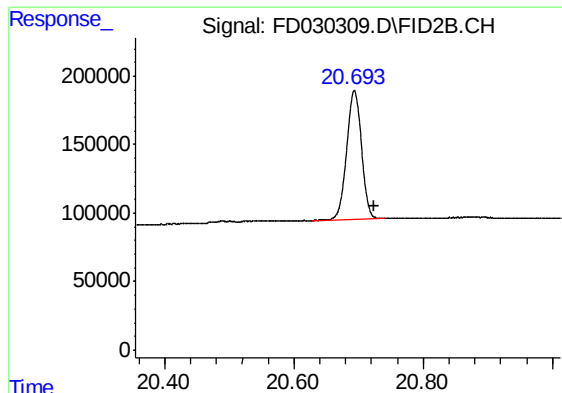
#19 n-Tetatriacontane (C34)

R.T.: 19.246 min
Delta R.T.: -0.028 min
Response: 1722741
Conc: 19.43 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.980 min
Delta R.T.: -0.028 min
Response: 1563773
Conc: 21.04 ug/ml m



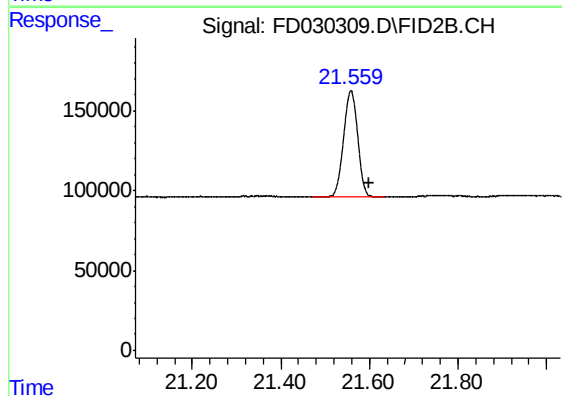
#21 n-Octatriacontane (C38)

R.T.: 20.693 min
Delta R.T.: -0.032 min
Response: 1503790
Conc: 22.59 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.558 min
Delta R.T.: -0.041 min
Response: 1464464
Conc: 20.73 ug/ml