

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031522AL\
 Data File : FD041566.D
 Signal(s) : FID2B.CH
 Acq On : 16 Mar 2022 3:05
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/17/2022
 Supervised By :Ankita Jodhani 03/17/2022

Integration File: autoint1.e
 Quant Time: Mar 16 04:00:10 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 022322.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 24 01:21:33 2022
 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)	11.237	3308834	19.075 ug/ml
Spiked Amount 50.000		Recovery =	38.15%
12) S 1-chlorooctadecane (S...	12.676	2557713	18.892 ug/ml
Spiked Amount 50.000		Recovery =	37.78%
Target Compounds			
1) T n-Nonane (C9)	3.100	2964855	20.360 ug/ml
2) T n-Decane (C10)	4.147	2941089	20.369 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3231352	20.228 ug/ml
4) T n-Dodecane (C12)	6.144	3028656	20.449 ug/ml
5) T A~2-methylnaphthalene...	6.745	3240933	20.252 ug/ml
6) T n-Tetradecane (C14)	7.921	3055529	20.410 ug/ml
7) T n-Hexadecane (C16)	9.508	3083405	20.254 ug/ml
8) T n-Octadecane (C18)	10.939	3088696	19.872 ug/ml
10) T n-Eicosane (C20)	12.239	3020620	19.457 ug/ml
11) T n-Heneicosane (C21)	12.847	2997159	19.141 ug/ml
13) T n-Docosane (C22)	13.429	2990590	19.096 ug/ml
14) T n-Tetracosane (C24)	14.525	2969248	18.930 ug/ml
15) T n-Hexacosane (C26)	15.540	2865107	18.648 ug/ml
16) T n-Octacosane (C28)	16.484	2828545	19.006 ug/ml
17) T n-Tricontane (C30)	17.366	2757719	19.599 ug/ml
18) T n-Dotriacontane (C32)	18.195	2583489	20.306 ug/mlm
19) T n-Tetratriacontane (C34)	18.974	2407931	21.141 ug/ml
20) T n-Hexatriacontane (C36)	19.711	2202611	21.490 ug/ml
21) T n-Octatriacontane (C38)	20.408	2132333	22.459 ug/ml
22) T n-Tetracontane (C40)	21.192	2112235	22.287 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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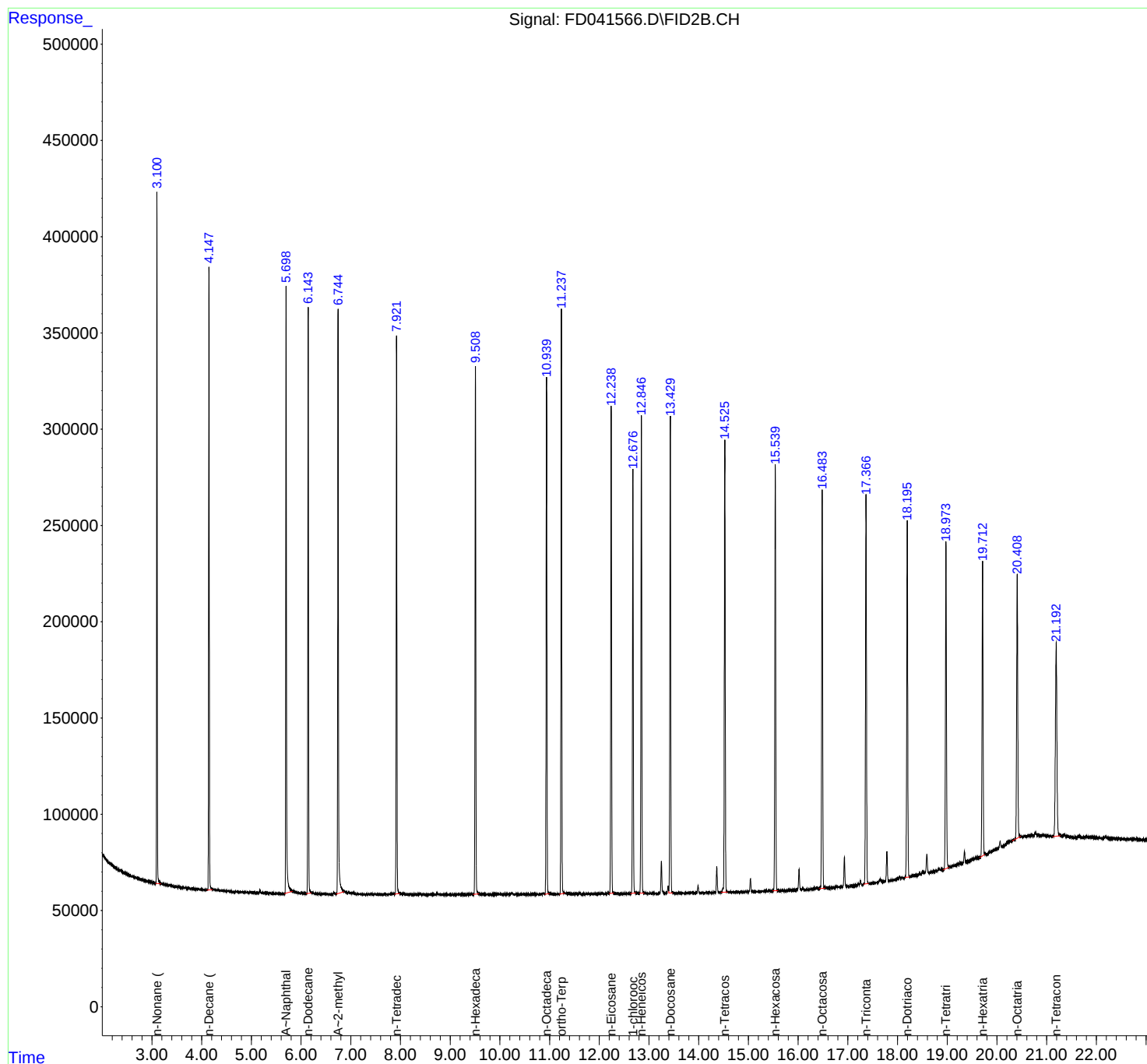
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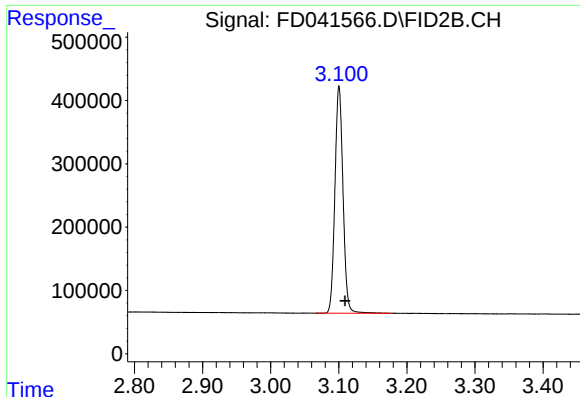
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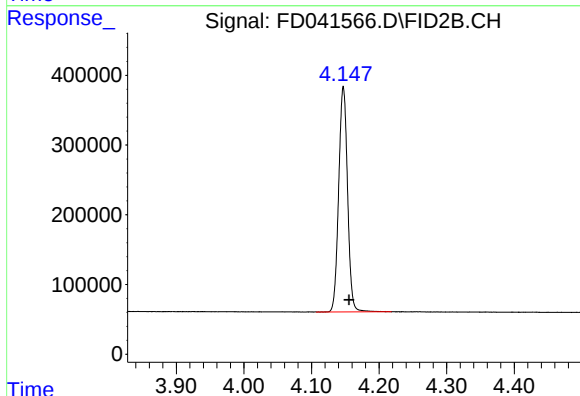
#1 n-Nonane (C9)

R.T.: 3.100 min
Delta R.T.: -0.009 min
Response: 2964855
Conc: 20.36 ug/ml

Instrument :
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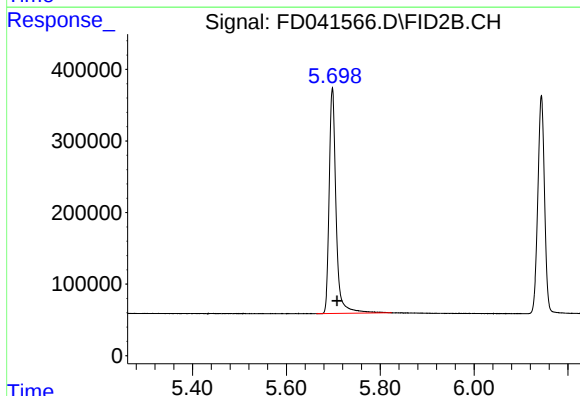
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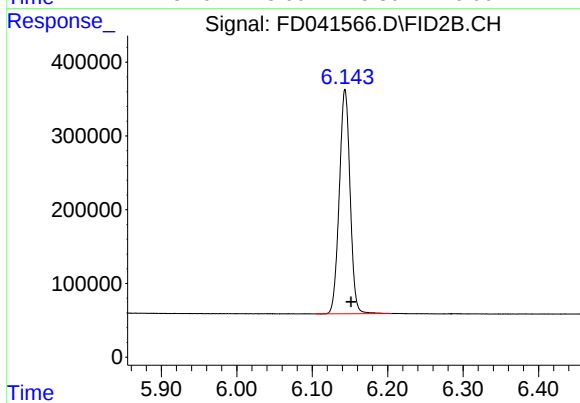
#2 n-Decane (C10)

R.T.: 4.147 min
Delta R.T.: -0.008 min
Response: 2941089
Conc: 20.37 ug/ml



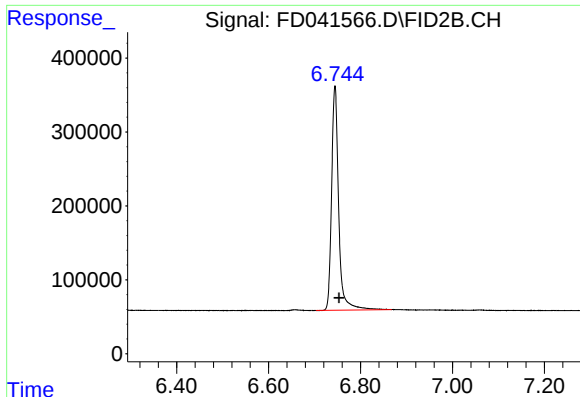
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: -0.010 min
Response: 3231352
Conc: 20.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.144 min
Delta R.T.: -0.008 min
Response: 3028656
Conc: 20.45 ug/ml



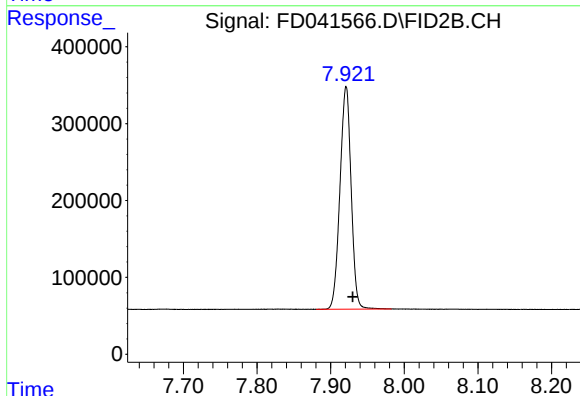
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: -0.009 min
Response: 3240933
Conc: 20.25 ug/ml

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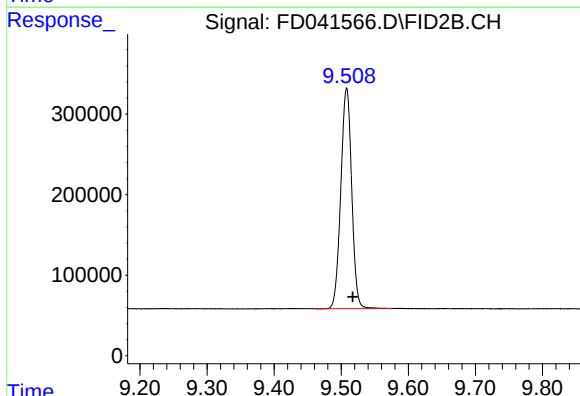
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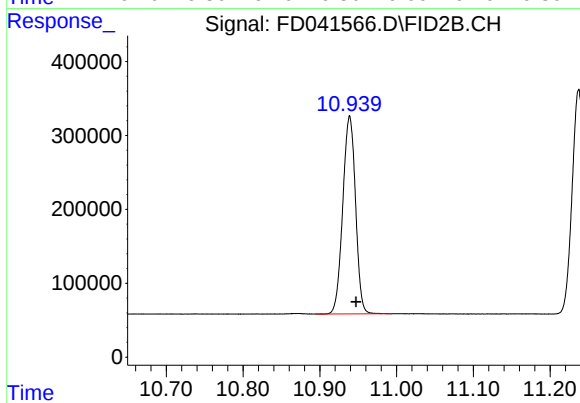
#6 n-Tetradecane (C14)

R.T.: 7.921 min
Delta R.T.: -0.009 min
Response: 3055529
Conc: 20.41 ug/ml



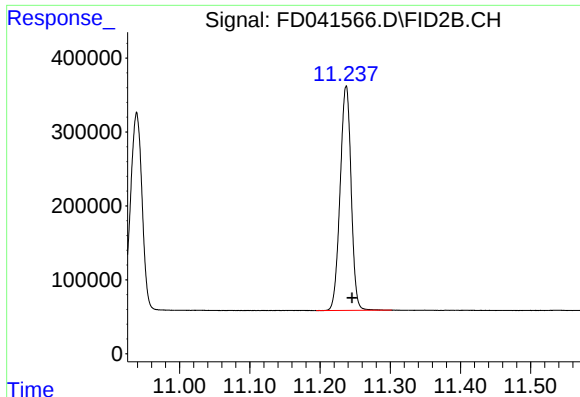
#7 n-Hexadecane (C16)

R.T.: 9.508 min
Delta R.T.: -0.009 min
Response: 3083405
Conc: 20.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.939 min
Delta R.T.: -0.008 min
Response: 3088696
Conc: 19.87 ug/ml



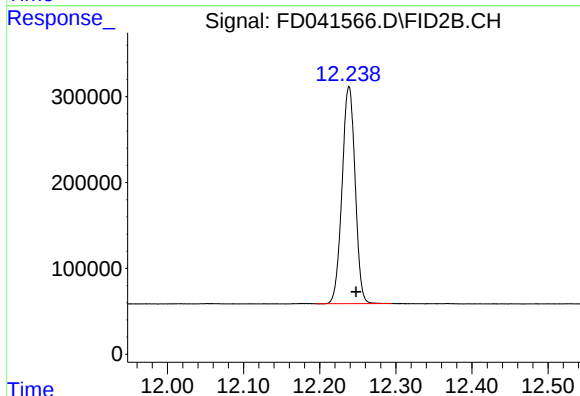
#9 ortho-Terphenyl (SURR)

R.T.: 11.237 min
Delta R.T.: -0.008 min
Response: 3308834
Conc: 19.08 ug/ml

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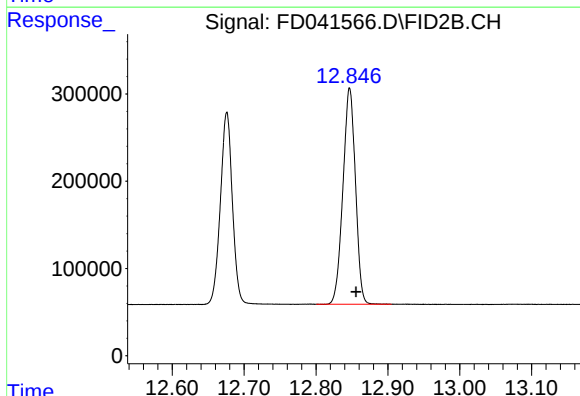
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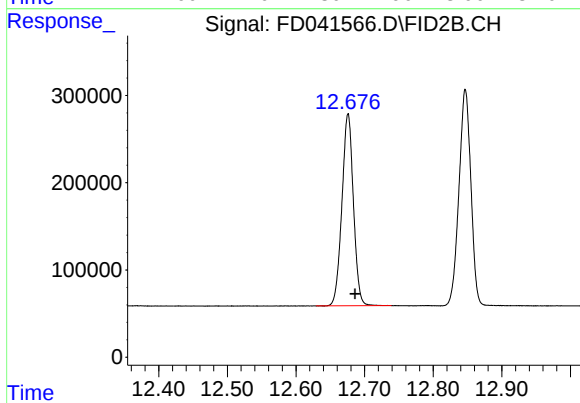
#10 n-Eicosane (C20)

R.T.: 12.239 min
Delta R.T.: -0.009 min
Response: 3020620
Conc: 19.46 ug/ml



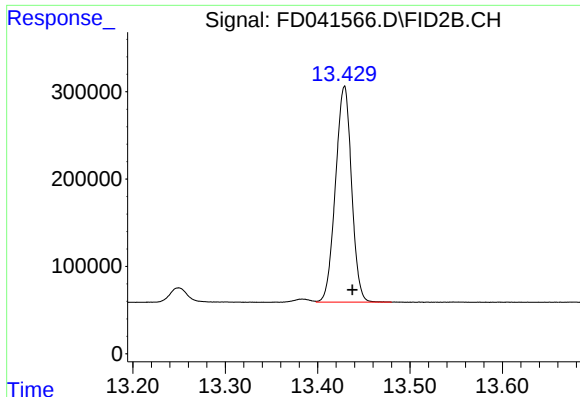
#11 n-Heneicosane (C21)

R.T.: 12.847 min
Delta R.T.: -0.009 min
Response: 2997159
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.676 min
Delta R.T.: -0.010 min
Response: 2557713
Conc: 18.89 ug/ml



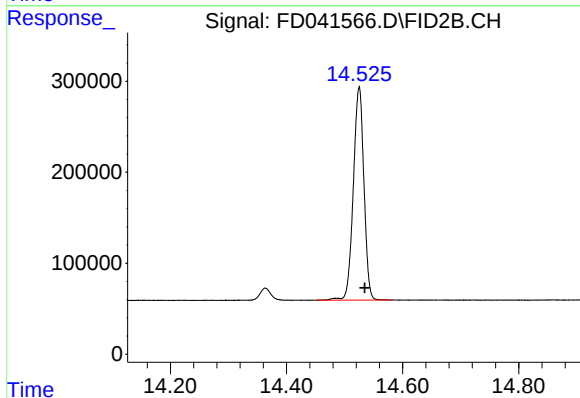
#13 n-Docosane (C22)

R.T.: 13.429 min
Delta R.T.: -0.009 min
Response: 2990590
Conc: 19.10 ug/ml

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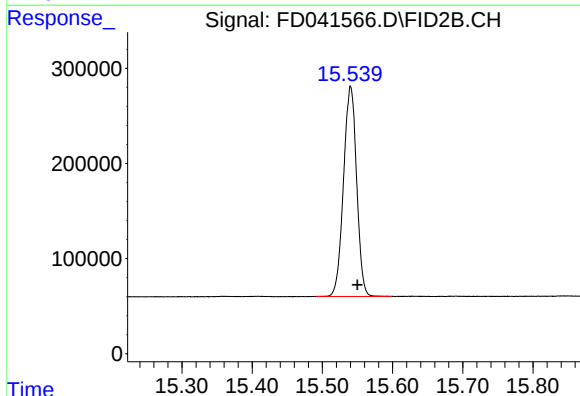
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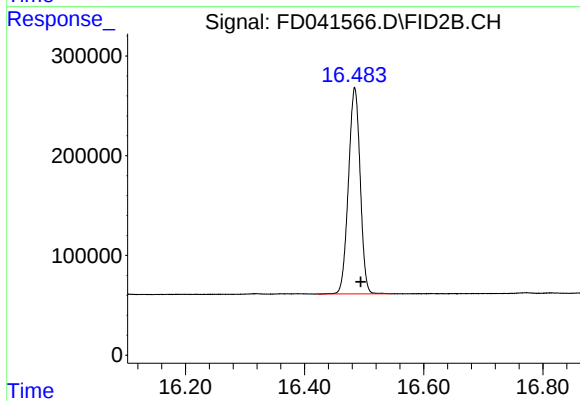
#14 n-Tetracosane (C24)

R.T.: 14.525 min
Delta R.T.: -0.009 min
Response: 2969248
Conc: 18.93 ug/ml



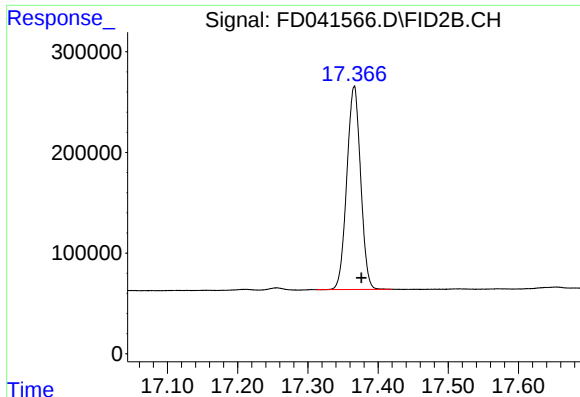
#15 n-Hexacosane (C26)

R.T.: 15.540 min
Delta R.T.: -0.010 min
Response: 2865107
Conc: 18.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.484 min
Delta R.T.: -0.010 min
Response: 2828545
Conc: 19.01 ug/ml



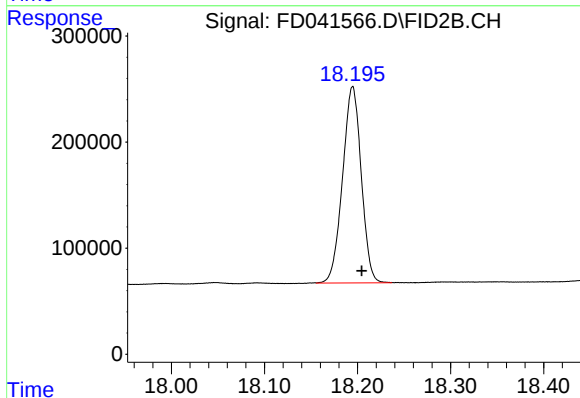
#17 n-Tricontane (C30)

R.T.: 17.366 min
Delta R.T.: -0.010 min
Response: 2757719
Conc: 19.60 ug/ml

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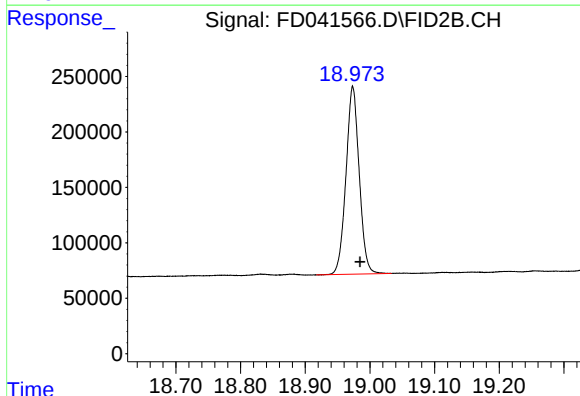
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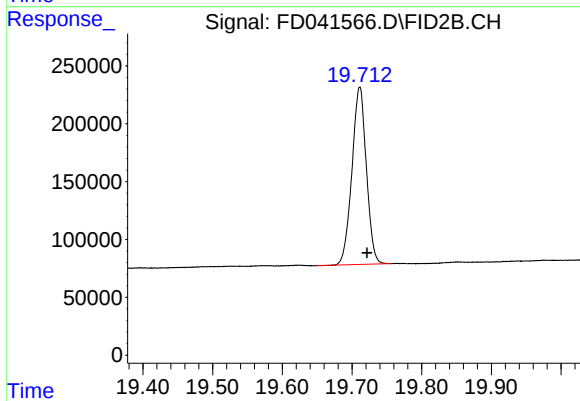
#18 n-Dotriacontane (C32)

R.T.: 18.195 min
Delta R.T.: -0.010 min
Response: 2583489
Conc: 20.31 ug/ml m



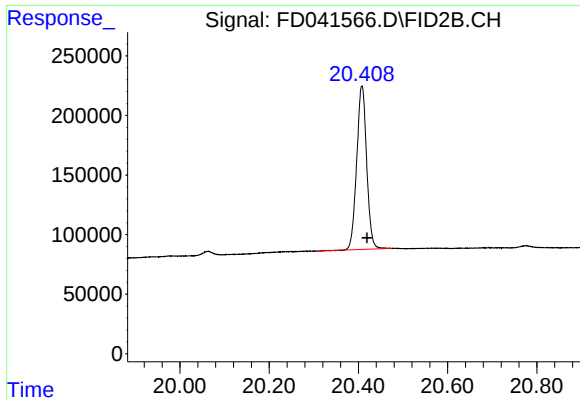
#19 n-Tetratriacontane (C34)

R.T.: 18.974 min
Delta R.T.: -0.011 min
Response: 2407931
Conc: 21.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.711 min
Delta R.T.: -0.010 min
Response: 2202611
Conc: 21.49 ug/ml



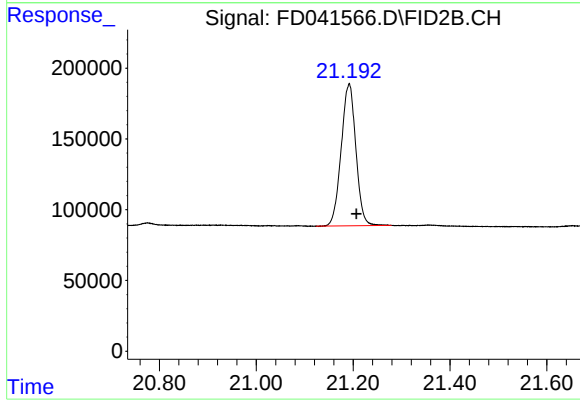
#21 n-Octatriacontane (C38)

R.T.: 20.408 min
Delta R.T.: -0.011 min
Response: 2132333
Conc: 22.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.192 min
Delta R.T.: -0.014 min
Response: 2112235
Conc: 22.29 ug/ml