

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030922AL\
 Data File : FD041456.D
 Signal(s) : FID2B.CH
 Acq On : 09 Mar 2022 14:34
 Operator : UA/NP
 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

Reviewed By :Yogesh Patel 03/10/2022
 Supervised By :Ankita Jodhani 03/10/2022

Integration File: autoint1.e
 Quant Time: Mar 10 02:14:04 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)	11.248	3355340	19.343 ug/ml
Spiked Amount 50.000		Recovery =	38.69%
12) S 1-chlorooctadecane (S...	12.688	2604011	19.234 ug/ml
Spiked Amount 50.000		Recovery =	38.47%
Target Compounds			
1) T n-Nonane (C9)	3.105	2998537	20.592 ug/ml
2) T n-Decane (C10)	4.153	2993730	20.733 ug/ml
3) T A~Naphthalene (C11.7)	5.706	3317383	20.767 ug/ml
4) T n-Dodecane (C12)	6.151	3096348	20.907 ug/ml
5) T A~2-methylnaphthalene...	6.753	3363818	21.020 ug/ml
6) T n-Tetradecane (C14)	7.930	3119036	20.834 ug/ml
7) T n-Hexadecane (C16)	9.518	3131051	20.567 ug/ml
8) T n-Octadecane (C18)	10.949	3123177	20.094 ug/ml
10) T n-Eicosane (C20)	12.249	3043580	19.605 ug/ml
11) T n-Heneicosane (C21)	12.858	3019097	19.281 ug/ml
13) T n-Docosane (C22)	13.441	2967670	18.949 ug/ml
14) T n-Tetracosane (C24)	14.538	2858711	18.225 ug/ml
15) T n-Hexacosane (C26)	15.553	2739887	17.833 ug/ml
16) T n-Octacosane (C28)	16.497	2641340	17.748 ug/ml
17) T n-Tricontane (C30)	17.381	2534383	18.012 ug/ml
18) T n-Dotriacontane (C32)	18.209	2394834	18.823 ug/ml
19) T n-Tetratriacontane (C34)	18.988	2255390	19.802 ug/mlm
20) T n-Hexatriacontane (C36)	19.724	2139377	20.873 ug/mlm
21) T n-Octatriacontane (C38)	20.423	2136548	22.503 ug/mlm
22) T n-Tetracontane (C40)	21.212	2152223	22.709 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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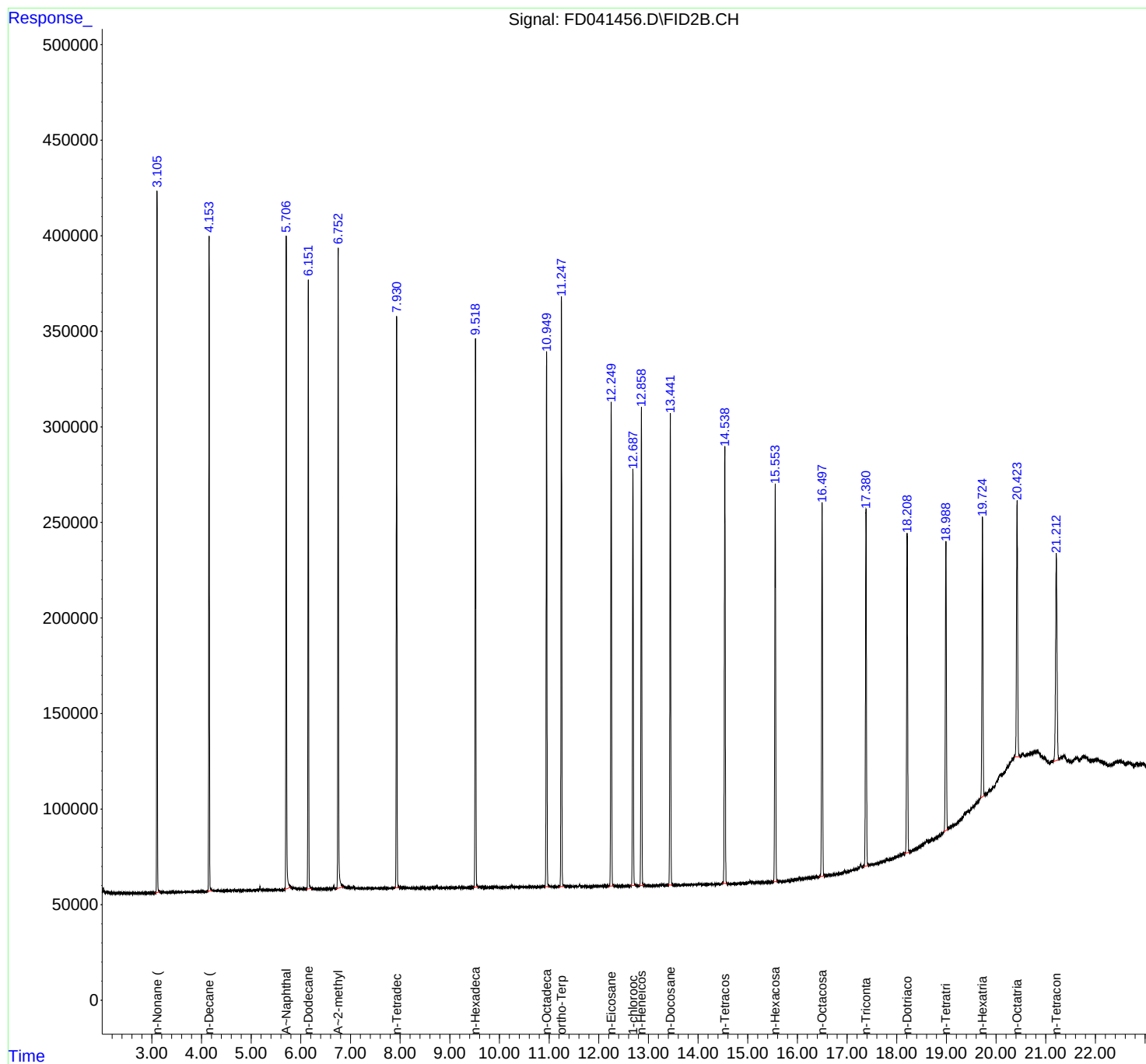
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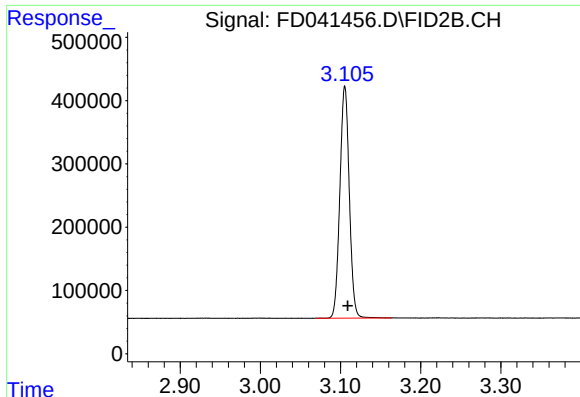
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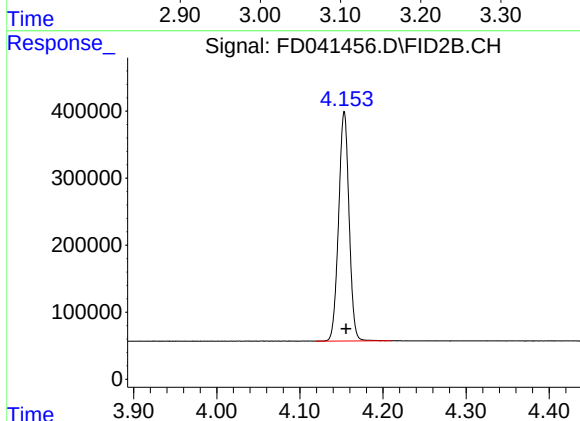
#1 n-Nonane (C9)

R.T.: 3.105 min
Delta R.T.: -0.004 min
Response: 2998537
Conc: 20.59 ug/ml

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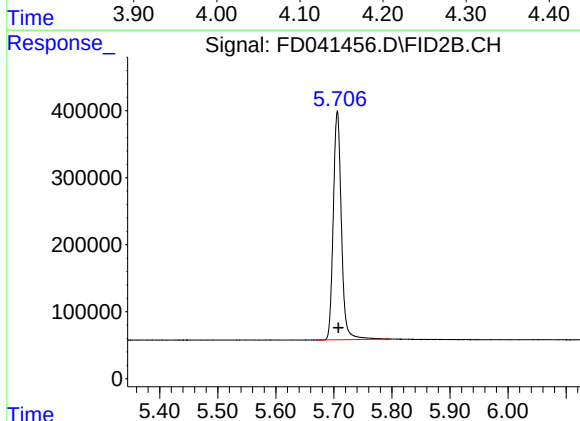
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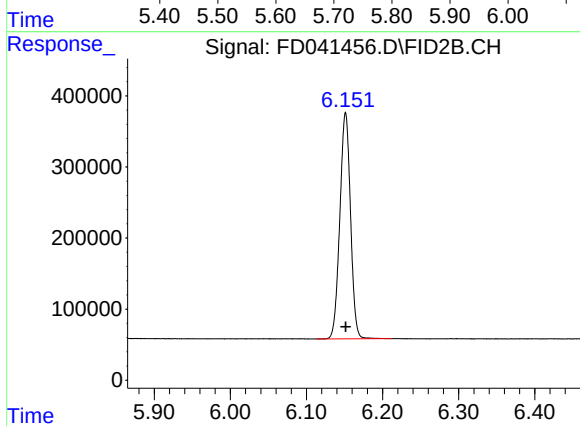
#2 n-Decane (C10)

R.T.: 4.153 min
Delta R.T.: -0.002 min
Response: 2993730
Conc: 20.73 ug/ml



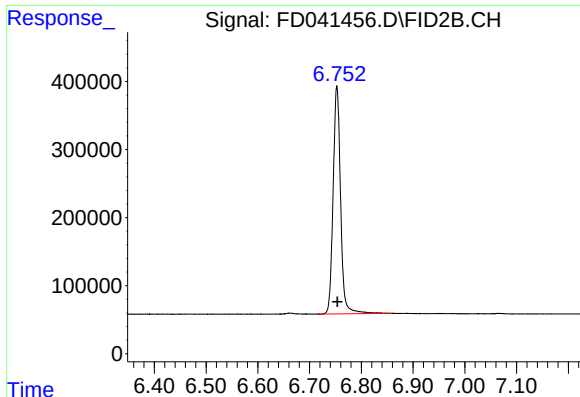
#3 A~Naphthalene (C11.7)

R.T.: 5.706 min
Delta R.T.: -0.002 min
Response: 3317383
Conc: 20.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 3096348
Conc: 20.91 ug/ml



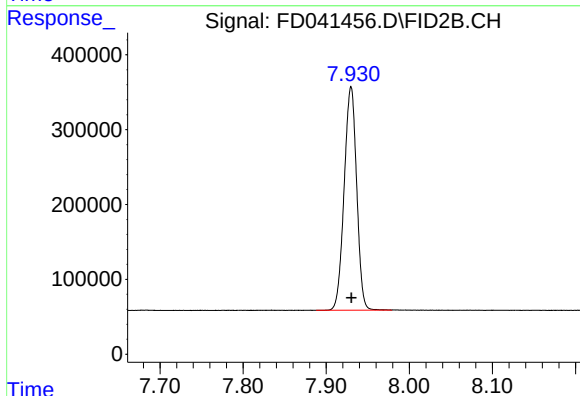
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 3363818
Conc: 21.02 ug/ml

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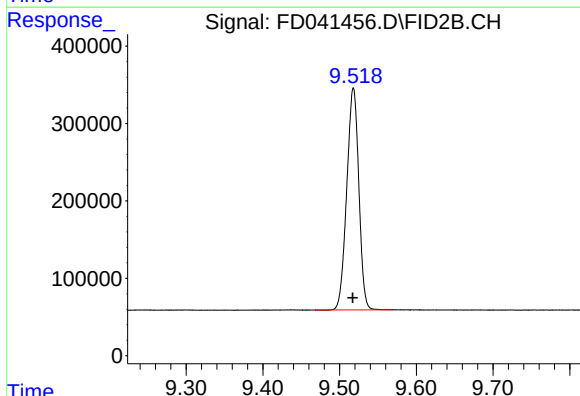
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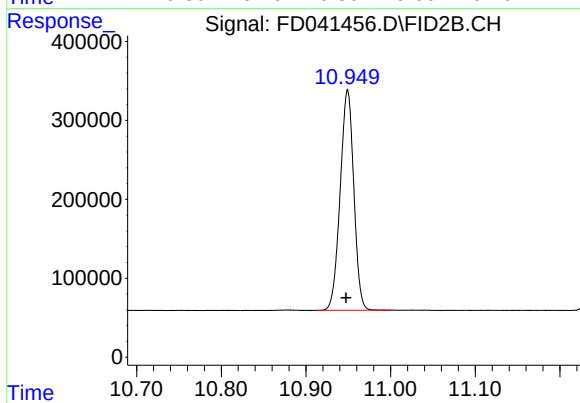
#6 n-Tetradecane (C14)

R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 3119036
Conc: 20.83 ug/ml



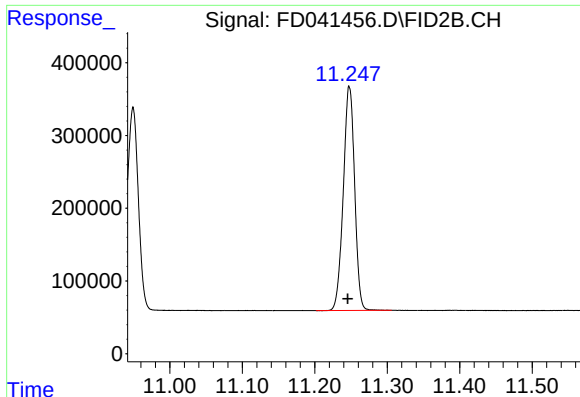
#7 n-Hexadecane (C16)

R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 3131051
Conc: 20.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.949 min
Delta R.T.: 0.002 min
Response: 3123177
Conc: 20.09 ug/ml



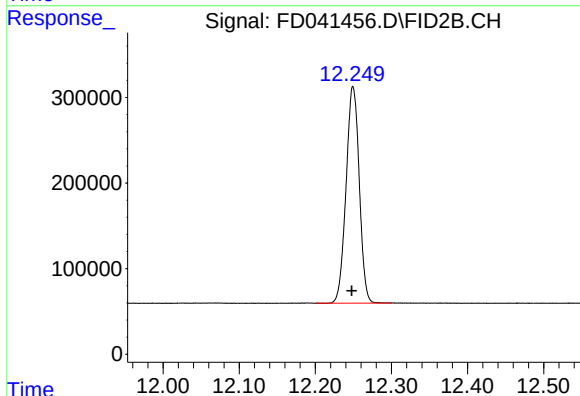
#9 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.002 min
Response: 3355340
Conc: 19.34 ug/ml

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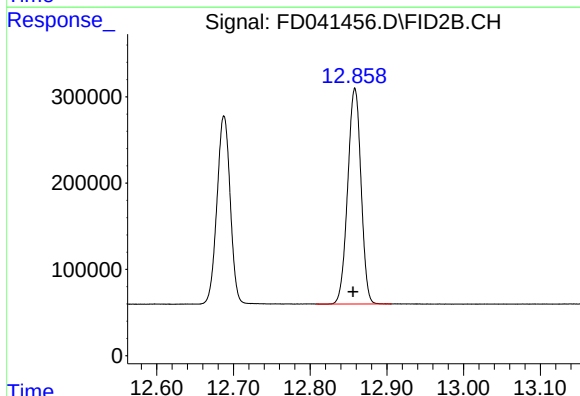
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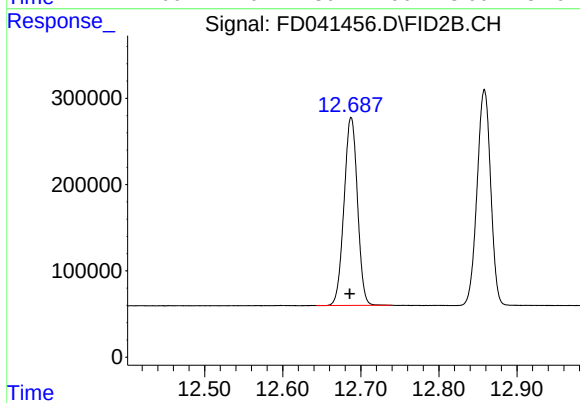
#10 n-Eicosane (C20)

R.T.: 12.249 min
Delta R.T.: 0.002 min
Response: 3043580
Conc: 19.61 ug/ml



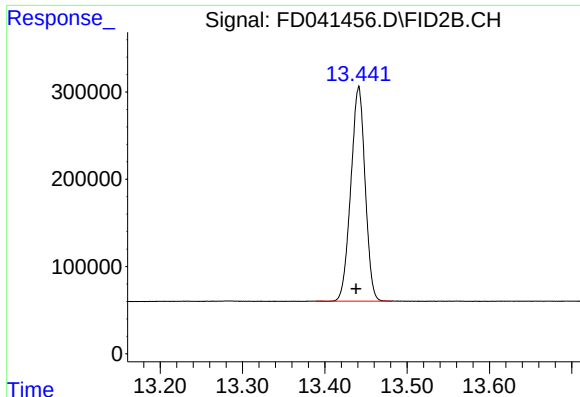
#11 n-Heneicosane (C21)

R.T.: 12.858 min
Delta R.T.: 0.002 min
Response: 3019097
Conc: 19.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.688 min
Delta R.T.: 0.002 min
Response: 2604011
Conc: 19.23 ug/ml



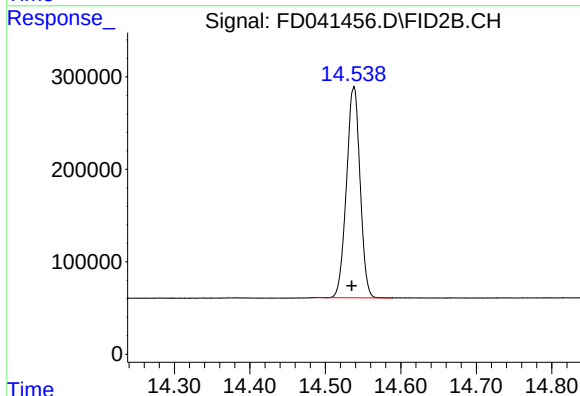
#13 n-Docosane (C22)

R.T.: 13.441 min
Delta R.T.: 0.003 min
Response: 2967670
Conc: 18.95 ug/ml

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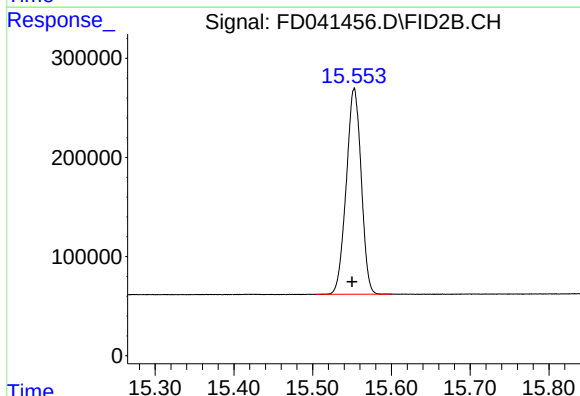
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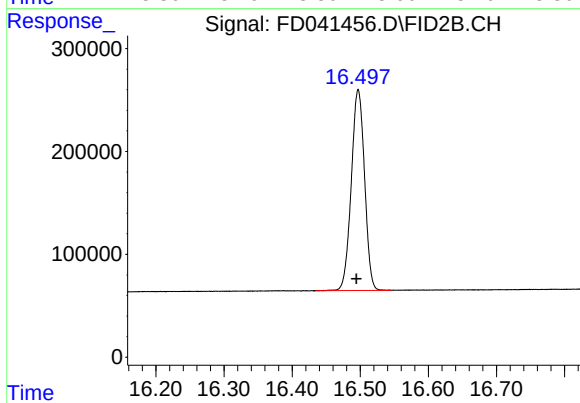
#14 n-Tetracosane (C24)

R.T.: 14.538 min
Delta R.T.: 0.003 min
Response: 2858711
Conc: 18.23 ug/ml



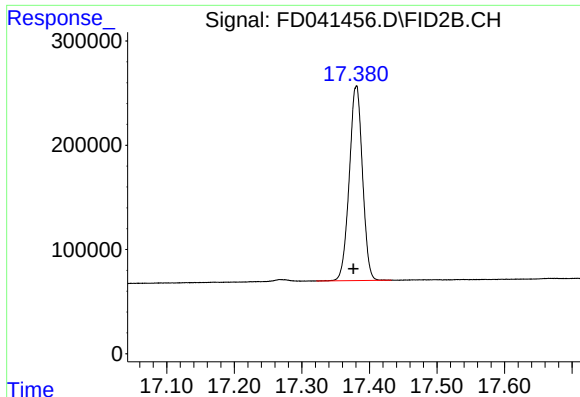
#15 n-Hexacosane (C26)

R.T.: 15.553 min
Delta R.T.: 0.003 min
Response: 2739887
Conc: 17.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.497 min
Delta R.T.: 0.003 min
Response: 2641340
Conc: 17.75 ug/ml



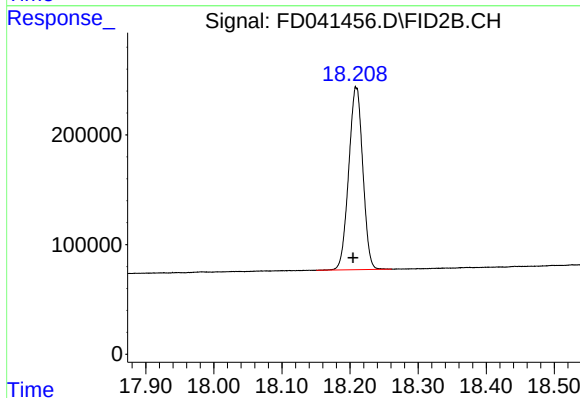
#17 n-Tricontane (C30)

R.T.: 17.381 min
Delta R.T.: 0.004 min
Response: 2534383
Conc: 18.01 ug/ml

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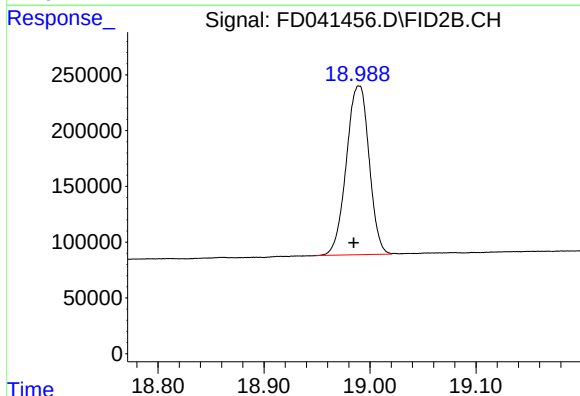
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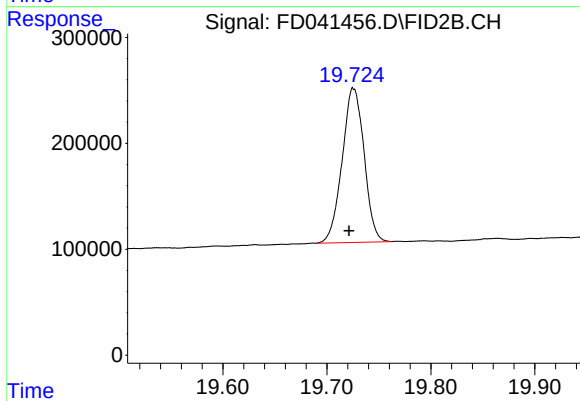
#18 n-Dotriacontane (C32)

R.T.: 18.209 min
Delta R.T.: 0.004 min
Response: 2394834
Conc: 18.82 ug/ml



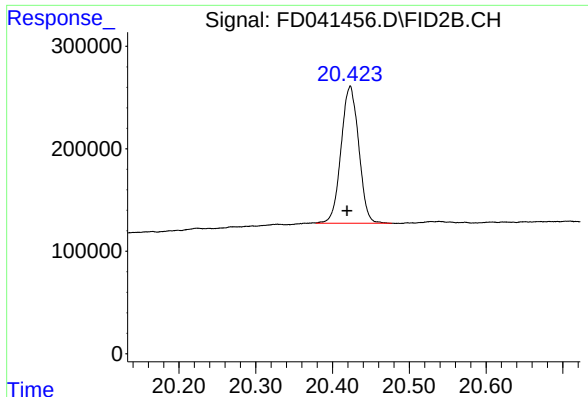
#19 n-Tetratriacontane (C34)

R.T.: 18.988 min
Delta R.T.: 0.004 min
Response: 2255390
Conc: 19.80 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.724 min
Delta R.T.: 0.003 min
Response: 2139377
Conc: 20.87 ug/ml m



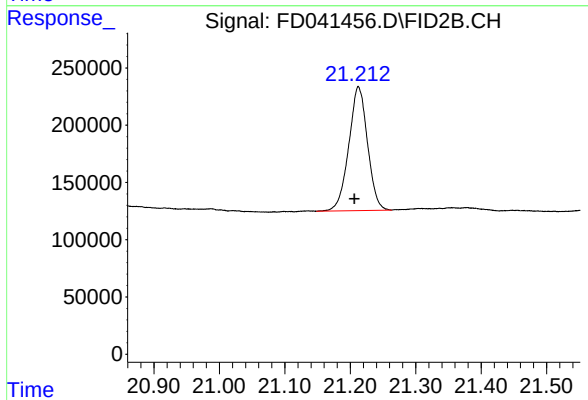
#21 n-Octatriacontane (C38)

R.T.: 20.423 min
Delta R.T.: 0.004 min
Response: 2136548
Conc: 22.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.212 min
Delta R.T.: 0.006 min
Response: 2152223
Conc: 22.71 ug/ml