

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051622AL\
 Data File : FD042469.D
 Signal(s) : FID2B.CH
 Acq On : 16 May 2022 10:50
 Operator : UA/NP
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/17/2022
 Supervised By :mohammad ahmed 05/17/2022

Integration File: autoint1.e
 Quant Time: May 16 20:48:05 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 22 01:55:29 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)	11.205	3568995	21.281 ug/ml
Spiked Amount 50.000		Recovery =	42.56%
12) S 1-chlorooctadecane (S...	12.644	2757959	20.900 ug/ml
Spiked Amount 50.000		Recovery =	41.80%
Target Compounds			
1) T n-Nonane (C9)	3.081	3221508	23.635 ug/ml
2) T n-Decane (C10)	4.124	3223154	24.051 ug/ml
3) T A~Naphthalene (C11.7)	5.673	3354664	23.143 ug/ml
4) T n-Dodecane (C12)	6.116	3336454	23.436 ug/ml
5) T A~2-methylnaphthalene...	6.719	3295243	23.647 ug/ml
6) T n-Tetradecane (C14)	7.892	3343383	23.471 ug/ml
7) T n-Hexadecane (C16)	9.478	3358809	23.113 ug/ml
8) T n-Octadecane (C18)	10.907	3366439	22.462 ug/ml
10) T n-Eicosane (C20)	12.206	3288804	21.487 ug/ml
11) T n-Heneicosane (C21)	12.813	3246580	21.059 ug/ml
13) T n-Docosane (C22)	13.396	3259478	21.146 ug/ml
14) T n-Tetracosane (C24)	14.491	3234218	20.913 ug/ml
15) T n-Hexacosane (C26)	15.504	3151558	20.489 ug/ml
16) T n-Octacosane (C28)	16.449	3116325	20.383 ug/ml
17) T n-Tricontane (C30)	17.331	3043170	20.288 ug/ml
18) T n-Dotriacontane (C32)	18.159	2855995	20.198 ug/ml
19) T n-Tetratriacontane (C34)	18.939	2640302	20.517 ug/ml
20) T n-Hexatriacontane (C36)	19.674	2429668	21.471 ug/ml
21) T n-Octatriacontane (C38)	20.369	2330109	23.353 ug/mlm
22) T n-Tetracontane (C40)	21.142	2212380	24.528 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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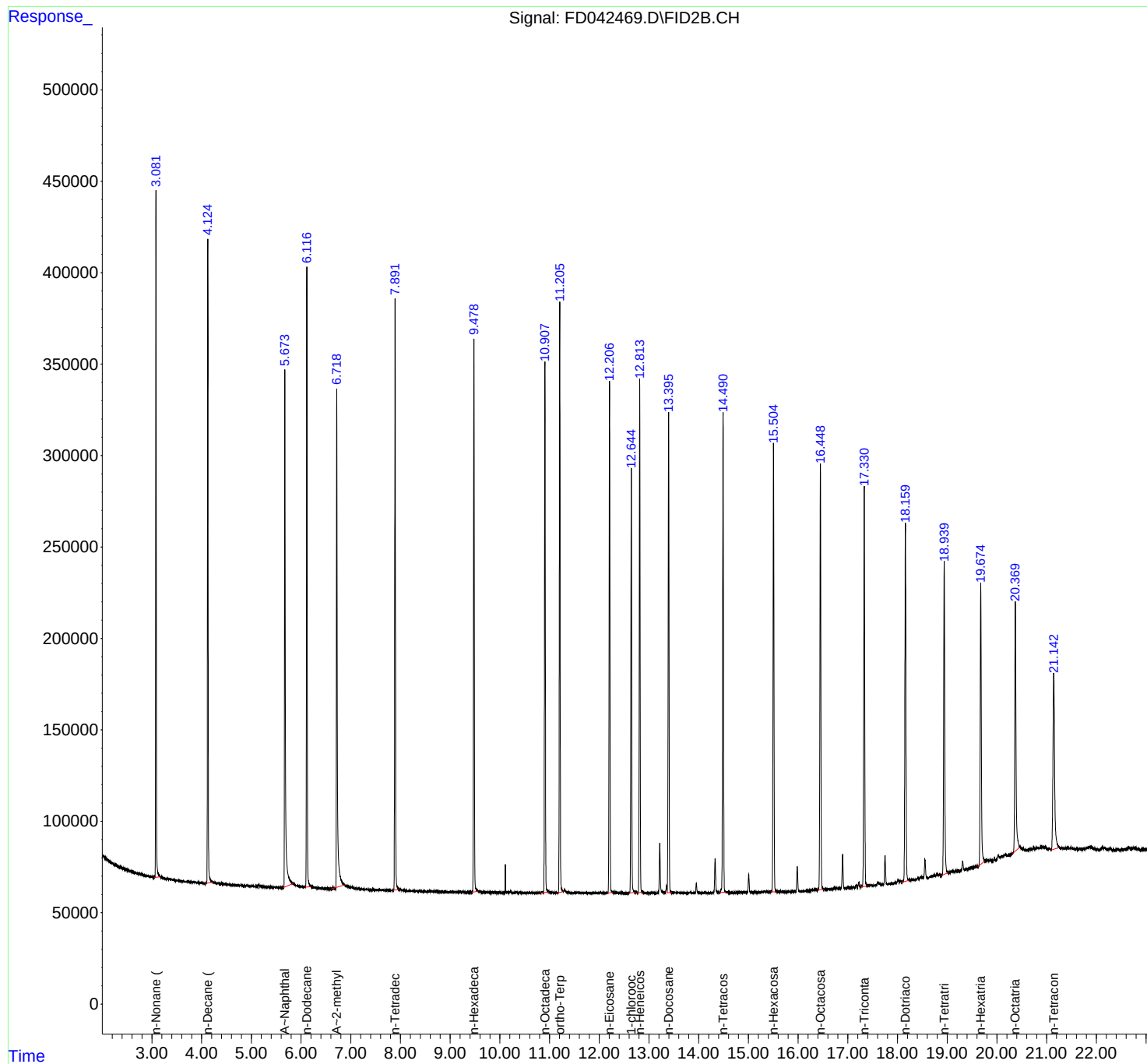
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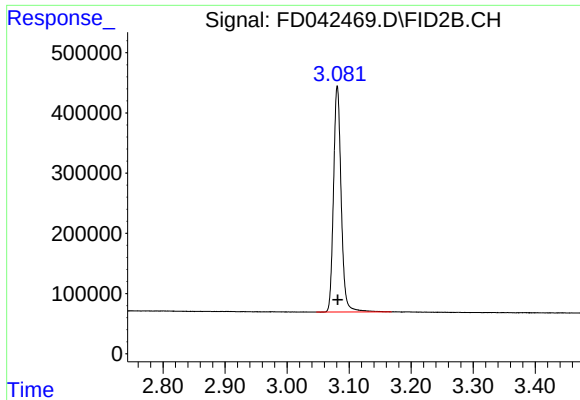
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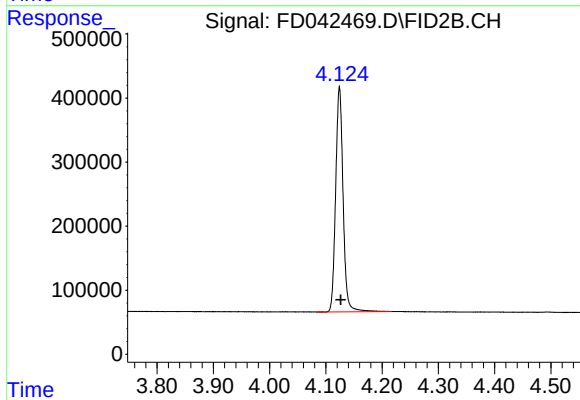
#1 n-Nonane (C9)

R.T.: 3.081 min
Delta R.T.: 0.000 min
Response: 3221508
Conc: 23.63 ug/ml

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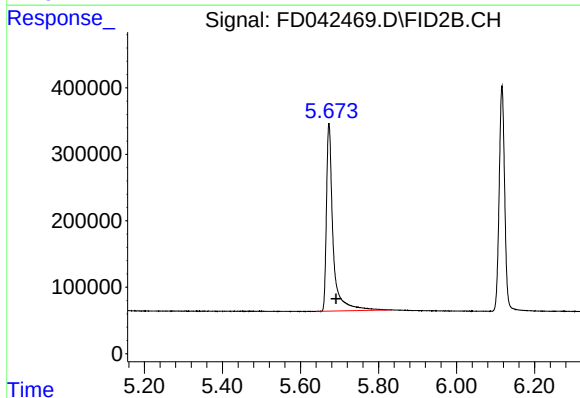
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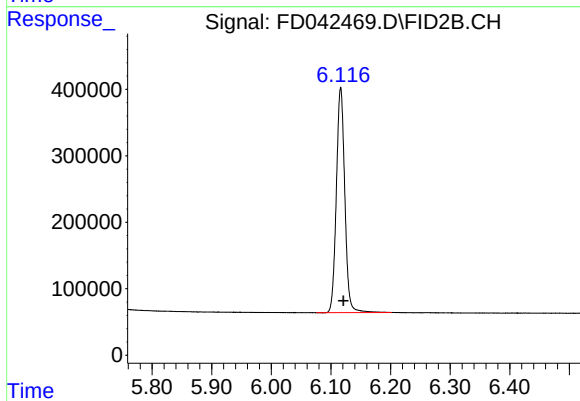
#2 n-Decane (C10)

R.T.: 4.124 min
Delta R.T.: -0.002 min
Response: 3223154
Conc: 24.05 ug/ml



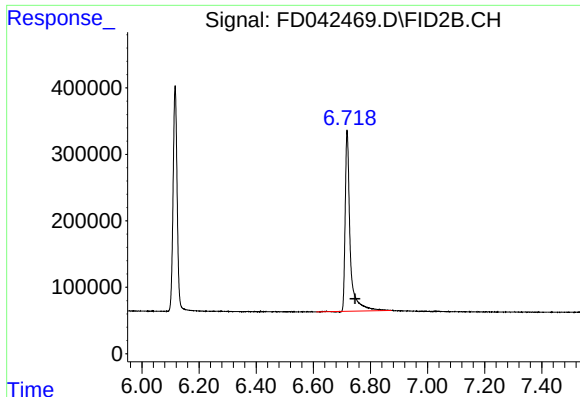
#3 A~Naphthalene (C11.7)

R.T.: 5.673 min
Delta R.T.: -0.018 min
Response: 3354664
Conc: 23.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.116 min
Delta R.T.: -0.005 min
Response: 3336454
Conc: 23.44 ug/ml



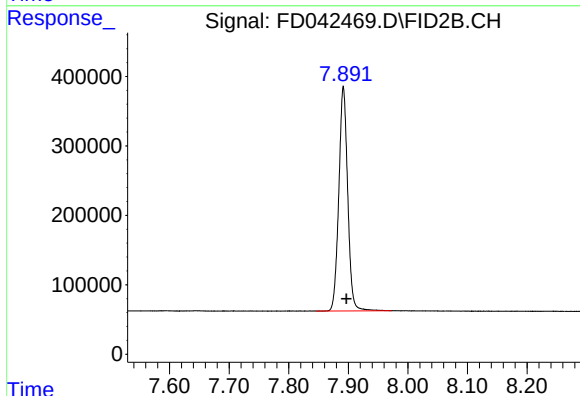
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.719 min
Delta R.T.: -0.028 min
Response: 3295243
Conc: 23.65 ug/ml

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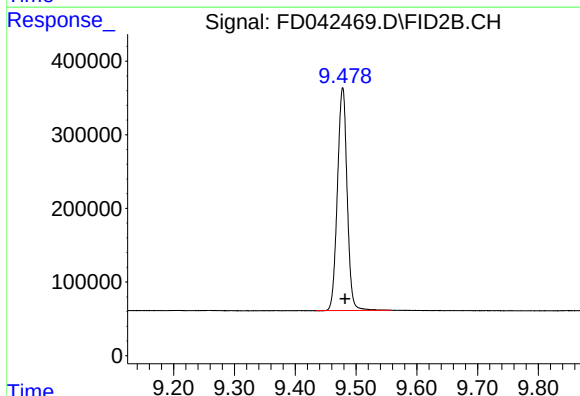
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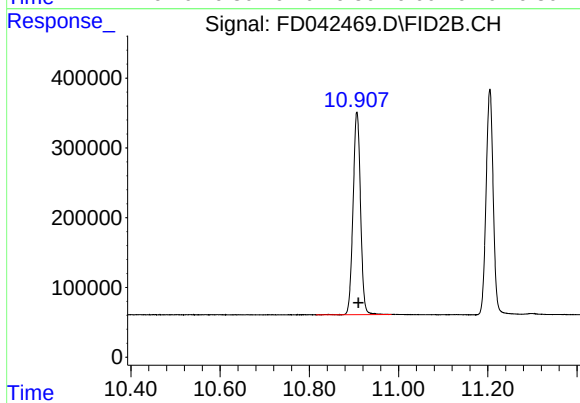
#6 n-Tetradecane (C14)

R.T.: 7.892 min
Delta R.T.: -0.005 min
Response: 3343383
Conc: 23.47 ug/ml



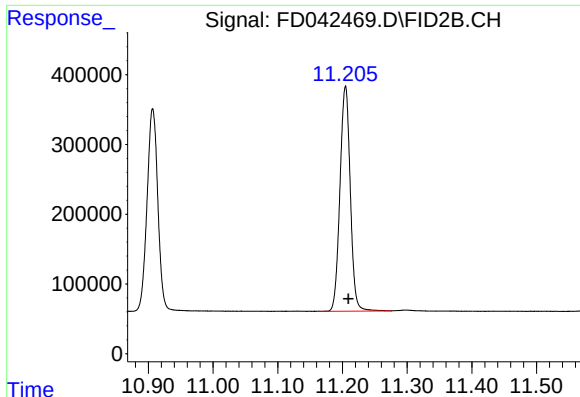
#7 n-Hexadecane (C16)

R.T.: 9.478 min
Delta R.T.: -0.004 min
Response: 3358809
Conc: 23.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.907 min
Delta R.T.: -0.004 min
Response: 3366439
Conc: 22.46 ug/ml



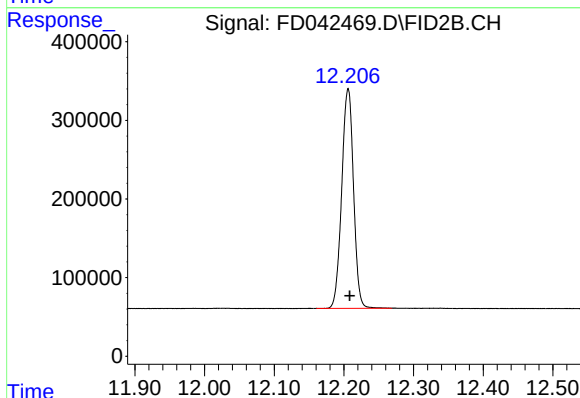
#9 ortho-Terphenyl (SURR)

R.T.: 11.205 min
Delta R.T.: -0.005 min
Response: 3568995
Conc: 21.28 ug/ml

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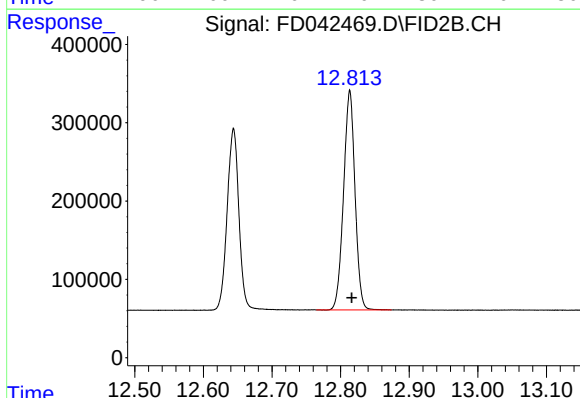
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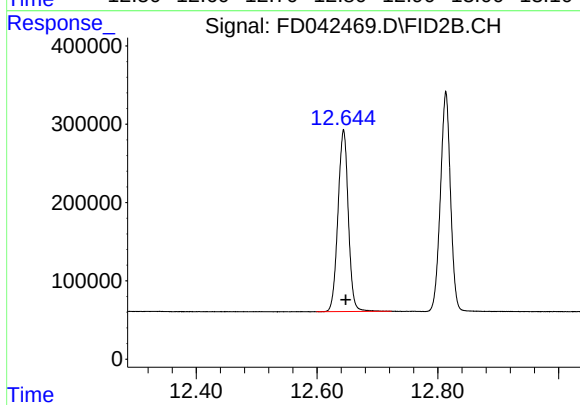
#10 n-Eicosane (C20)

R.T.: 12.206 min
Delta R.T.: -0.002 min
Response: 3288804
Conc: 21.49 ug/ml



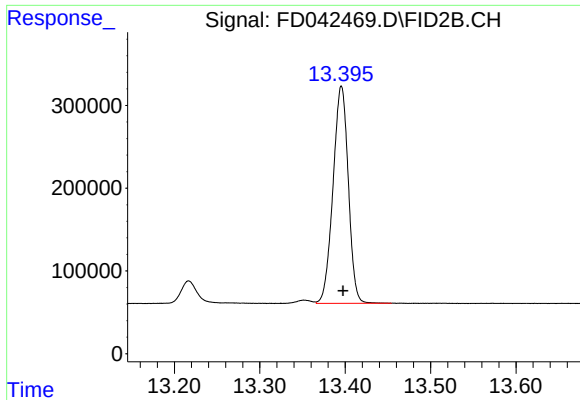
#11 n-Heneicosane (C21)

R.T.: 12.813 min
Delta R.T.: -0.003 min
Response: 3246580
Conc: 21.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.644 min
Delta R.T.: -0.003 min
Response: 2757959
Conc: 20.90 ug/ml



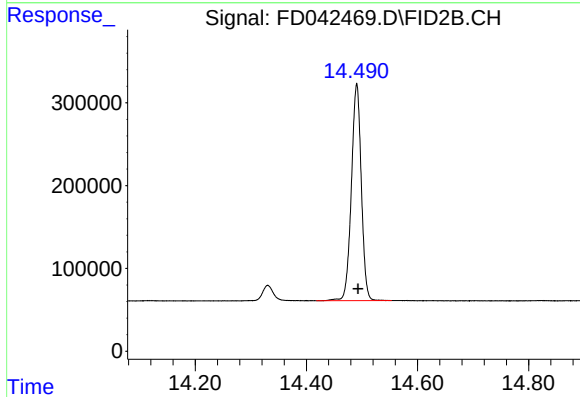
#13 n-Docosane (C22)

R.T.: 13.396 min
Delta R.T.: -0.002 min
Response: 3259478
Conc: 21.15 ug/ml

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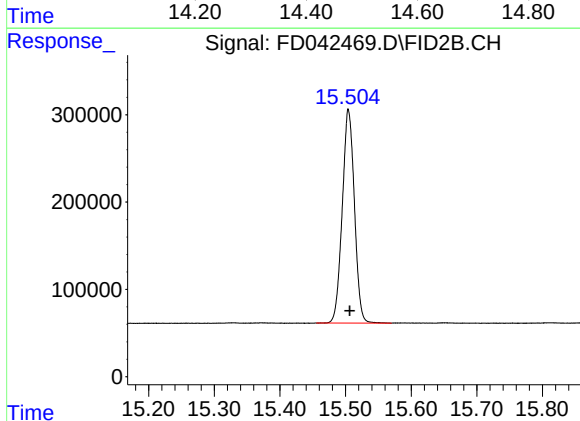
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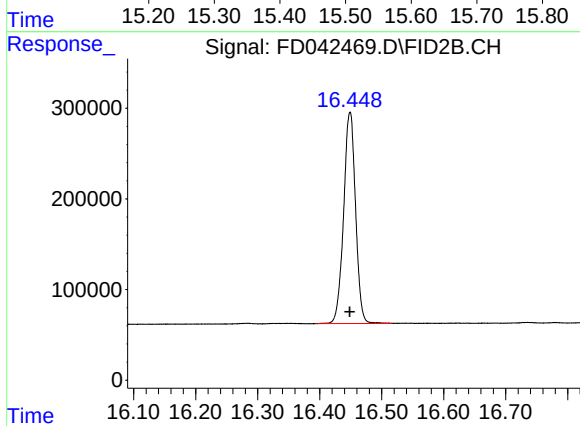
#14 n-Tetracosane (C24)

R.T.: 14.491 min
Delta R.T.: -0.002 min
Response: 3234218
Conc: 20.91 ug/ml



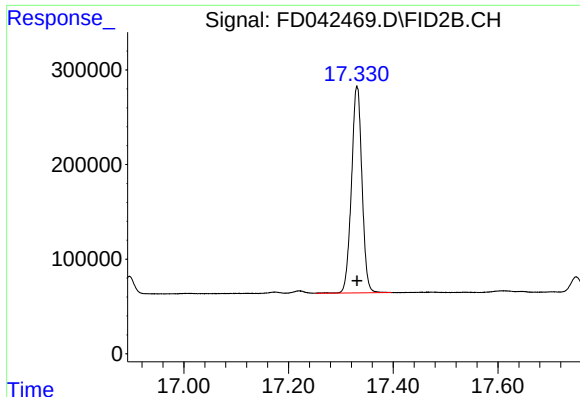
#15 n-Hexacosane (C26)

R.T.: 15.504 min
Delta R.T.: -0.002 min
Response: 3151558
Conc: 20.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.449 min
Delta R.T.: 0.000 min
Response: 3116325
Conc: 20.38 ug/ml



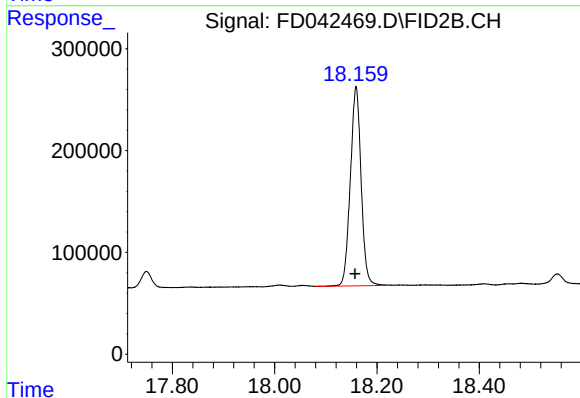
#17 n-Tricontane (C30)

R.T.: 17.331 min
Delta R.T.: 0.000 min
Response: 3043170
Conc: 20.29 ug/ml

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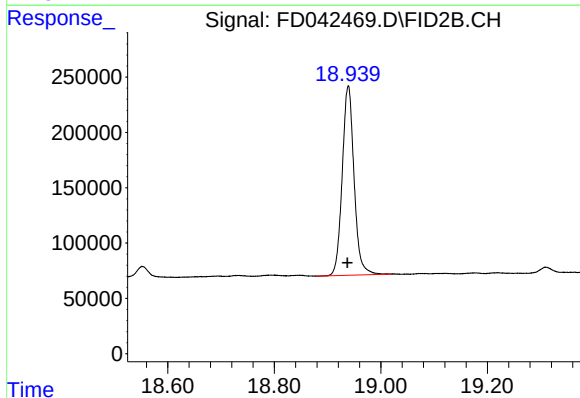
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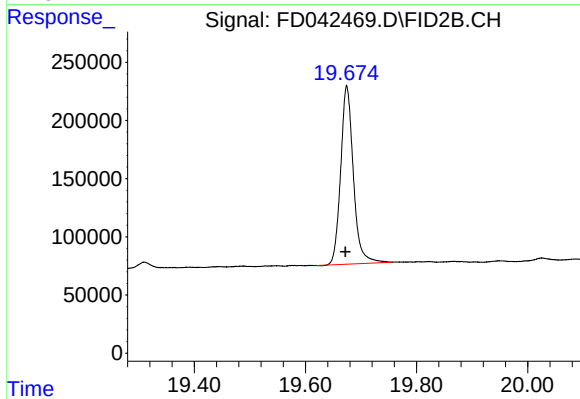
#18 n-Dotriacontane (C32)

R.T.: 18.159 min
Delta R.T.: 0.002 min
Response: 2855995
Conc: 20.20 ug/ml



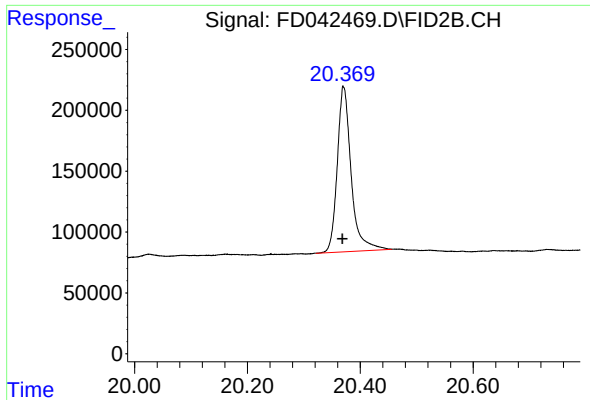
#19 n-Tetratriacontane (C34)

R.T.: 18.939 min
Delta R.T.: 0.002 min
Response: 2640302
Conc: 20.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.674 min
Delta R.T.: 0.002 min
Response: 2429668
Conc: 21.47 ug/ml



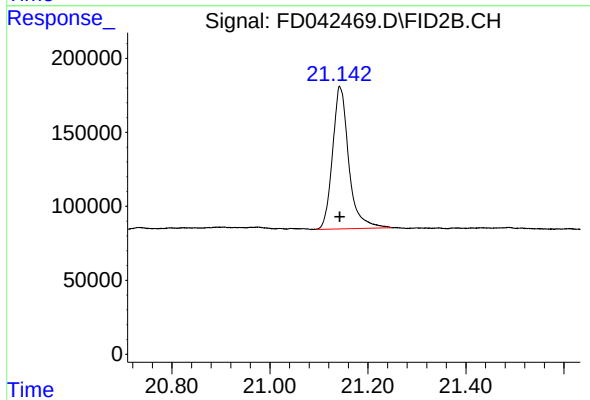
#21 n-Octatriacontane (C38)

R.T.: 20.369 min
Delta R.T.: 0.000 min
Response: 2330109
Conc: 23.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.142 min
Delta R.T.: 0.000 min
Response: 2212380
Conc: 24.53 ug/ml m