

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF121223AL\
 Data File : FF013839.D
 Signal(s) : FID2B.ch
 Acq On : 12 Dec 2023 14:08
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2023
 Supervised By :Ankita Jodhani 12/13/2023

Integration File: autoint1.e
 Quant Time: Dec 12 22:37:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 121123.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 12 06:36:20 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.870	3258641	22.113 ug/ml
Spiked Amount 50.000		Recovery =	44.23%
12) S 1-chlorooctadecane (S...	13.310	2359880	22.166 ug/ml
Spiked Amount 50.000		Recovery =	44.33%
Target Compounds			
1) T n-Nonane (C9)	3.266	2627267	21.798 ug/ml
2) T n-Decane (C10)	4.516	2695571	22.147 ug/ml
3) T A~Naphthalene (C11.7)	6.213	2879038	22.240 ug/ml
4) T n-Dodecane (C12)	6.680	2729169	22.253 ug/ml
5) T A~2-methylnaphthalene...	7.308	2822002	22.483 ug/ml
6) T n-Tetradecane (C14)	8.506	2671958	22.223 ug/ml
7) T n-Hexadecane (C16)	10.113	2702556	22.097 ug/ml
8) T n-Octadecane (C18)	11.556	2717835	22.086 ug/ml
10) T n-Eicosane (C20)	12.866	2651549	22.151 ug/ml
11) T n-Heneicosane (C21)	13.478	2602520	22.066 ug/ml
13) T n-Docosane (C22)	14.064	2577878	22.132 ug/ml
14) T n-Tetracosane (C24)	15.168	2555927	22.338 ug/ml
15) T n-Hexacosane (C26)	16.190	2495112	22.282 ug/ml
16) T n-Octacosane (C28)	17.141	2455477	22.372 ug/ml
17) T n-Tricontane (C30)	18.028	2491497	22.426 ug/ml
18) T n-Dotriacontane (C32)	18.862	2480004	22.303 ug/ml
19) T n-Tetratriacontane (C34)	19.646	2392573	22.215 ug/ml
20) T n-Hexatriacontane (C36)	20.385	2400994	21.602 ug/mlm
21) T n-Octatriacontane (C38)	21.115	2401808	21.966 ug/ml
22) T n-Tetracontane (C40)	22.005	2439729	21.544 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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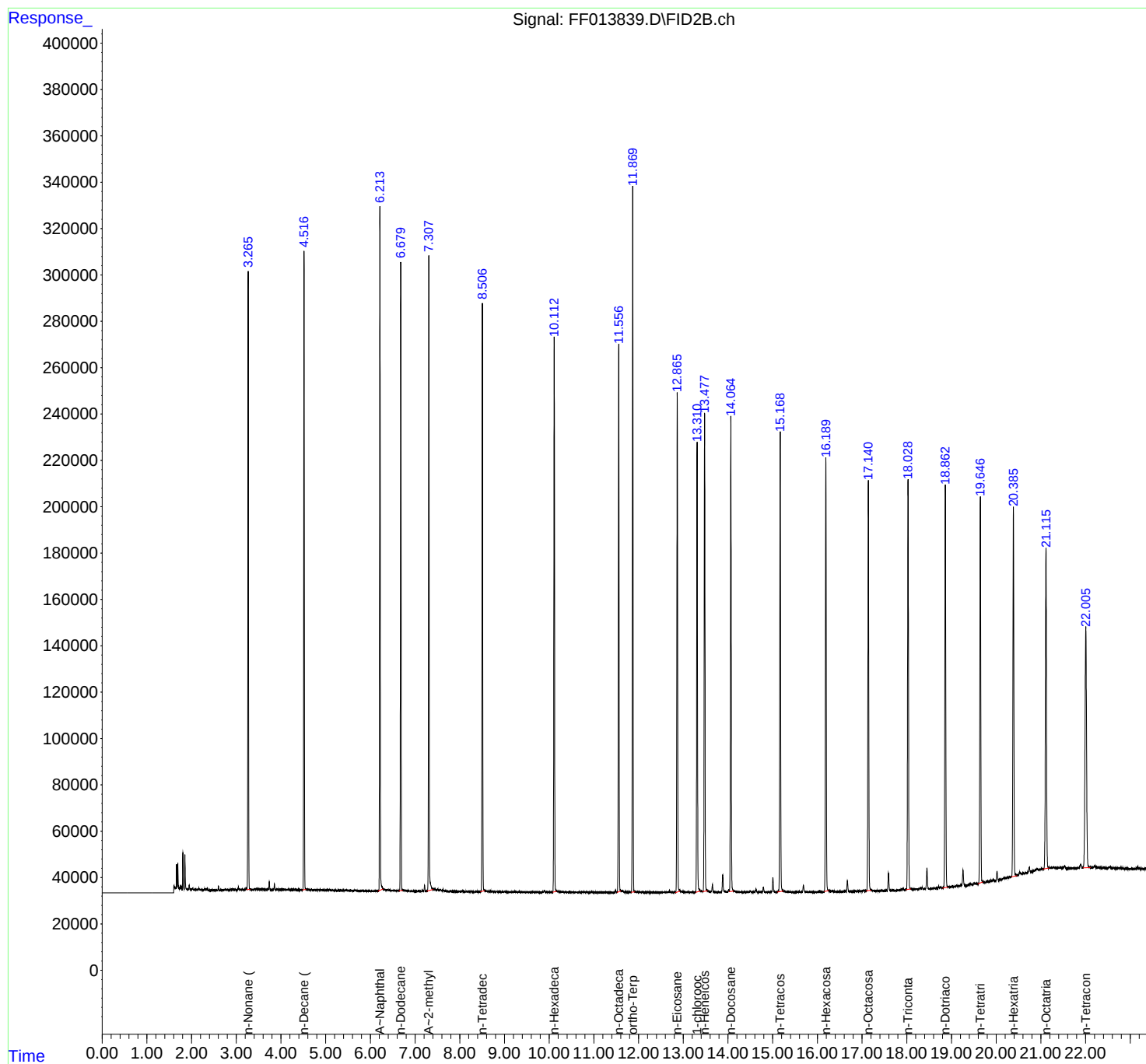
Instrument :
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20 PPM ALIPHATIC HC STD

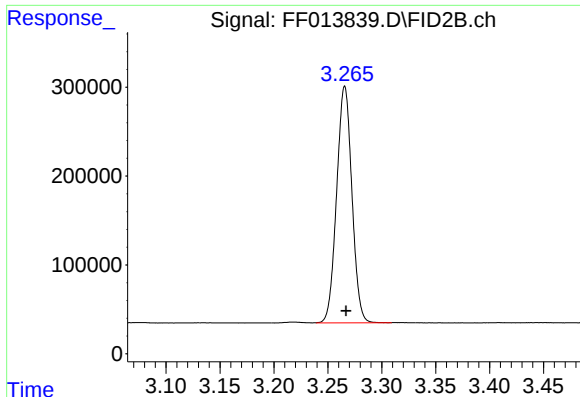
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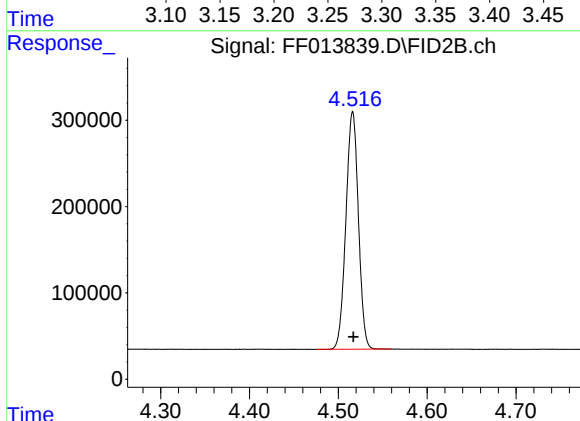
#1 n-Nonane (C9)

R.T.: 3.266 min
Delta R.T.: -0.001 min
Response: 2627267
Conc: 21.80 ug/ml

Instrument :
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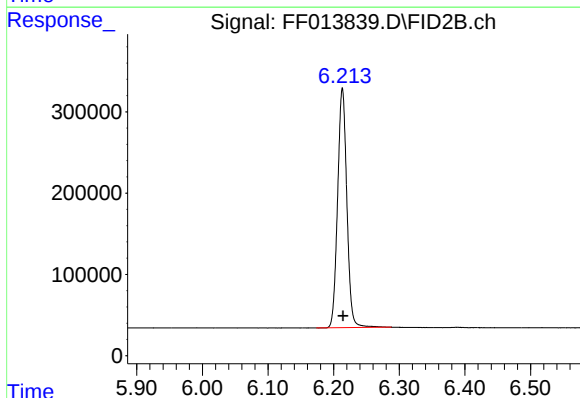
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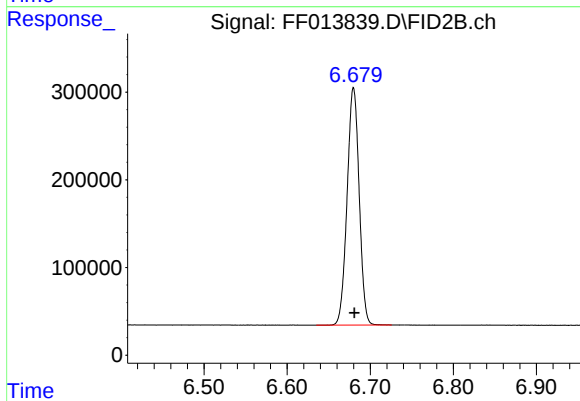
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 2695571
Conc: 22.15 ug/ml



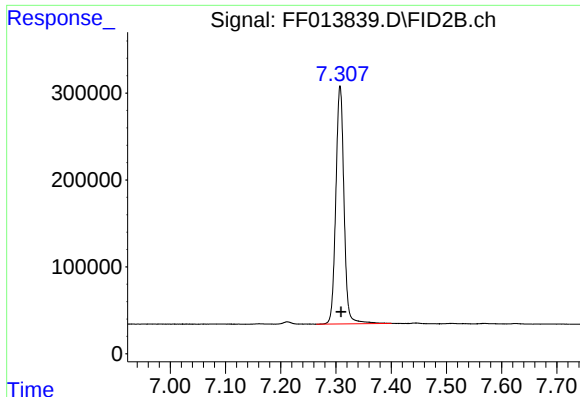
#3 A~Naphthalene (C11.7)

R.T.: 6.213 min
Delta R.T.: 0.000 min
Response: 2879038
Conc: 22.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 2729169
Conc: 22.25 ug/ml



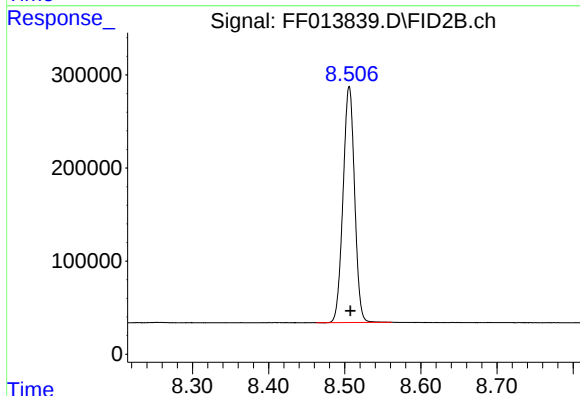
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.308 min
Delta R.T.: -0.002 min
Response: 2822002
Conc: 22.48 ug/ml

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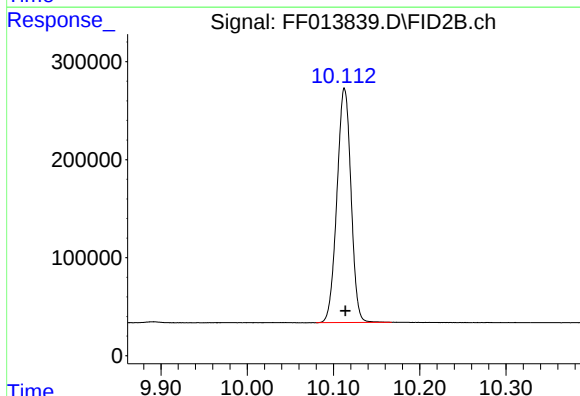
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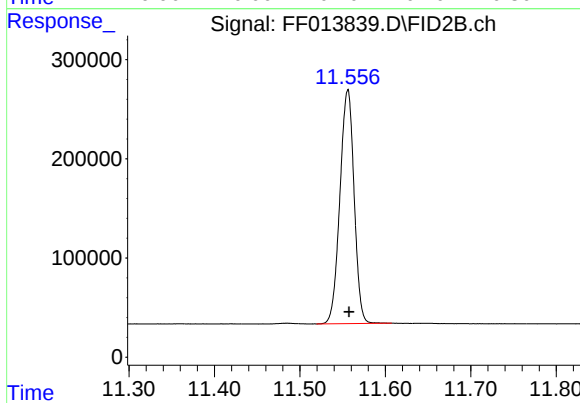
#6 n-Tetradecane (C14)

R.T.: 8.506 min
Delta R.T.: -0.002 min
Response: 2671958
Conc: 22.22 ug/ml



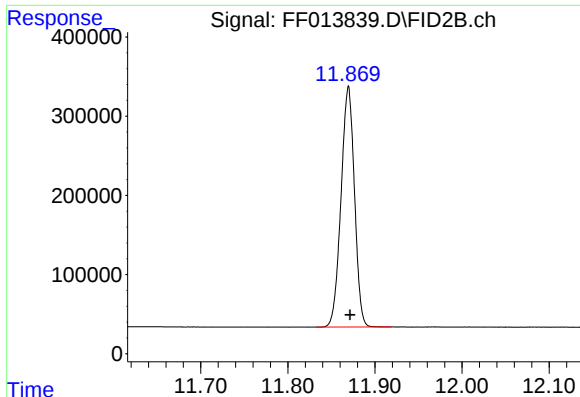
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.001 min
Response: 2702556
Conc: 22.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.001 min
Response: 2717835
Conc: 22.09 ug/ml



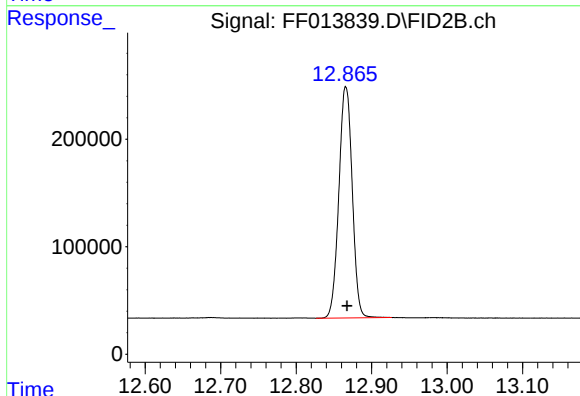
#9 ortho-Terphenyl (SURR)

R.T.: 11.870 min
Delta R.T.: -0.002 min
Response: 3258641
Conc: 22.11 ug/ml

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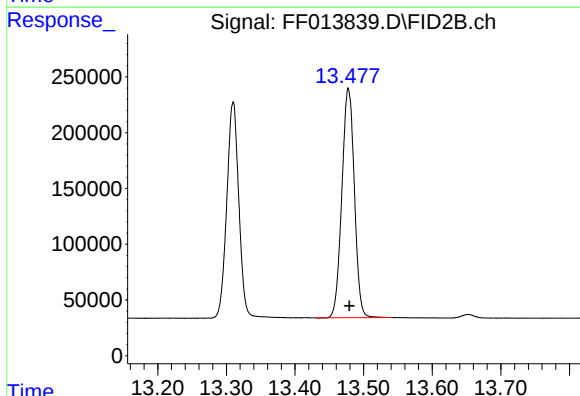
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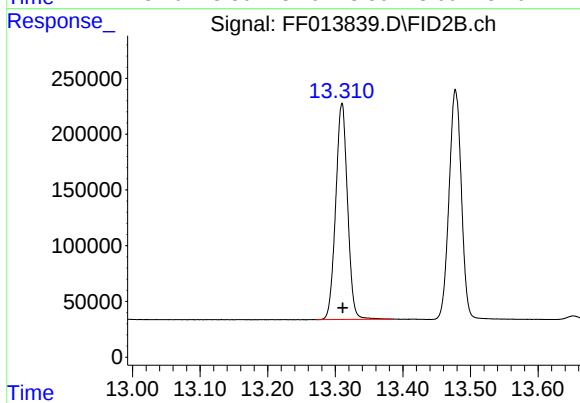
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.002 min
Response: 2651549
Conc: 22.15 ug/ml



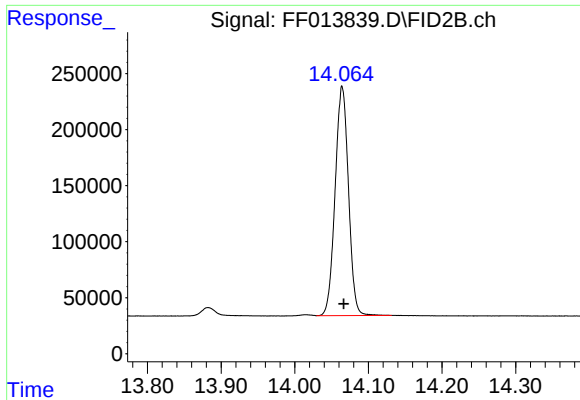
#11 n-Heneicosane (C21)

R.T.: 13.478 min
Delta R.T.: -0.002 min
Response: 2602520
Conc: 22.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.001 min
Response: 2359880
Conc: 22.17 ug/ml



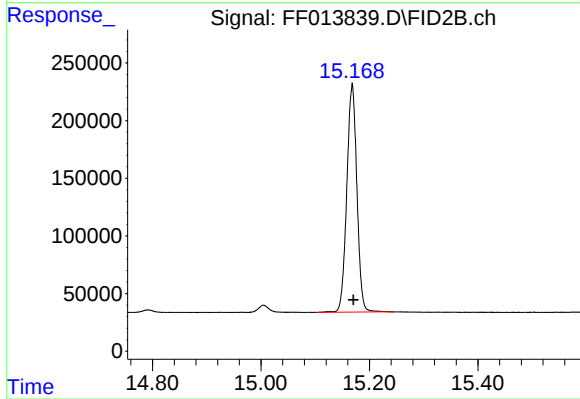
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: -0.002 min
Response: 2577878
Conc: 22.13 ug/ml

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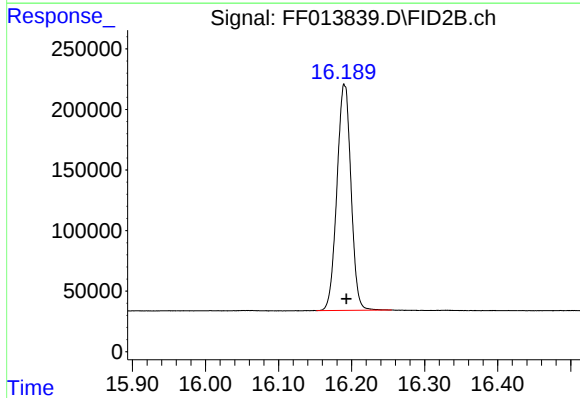
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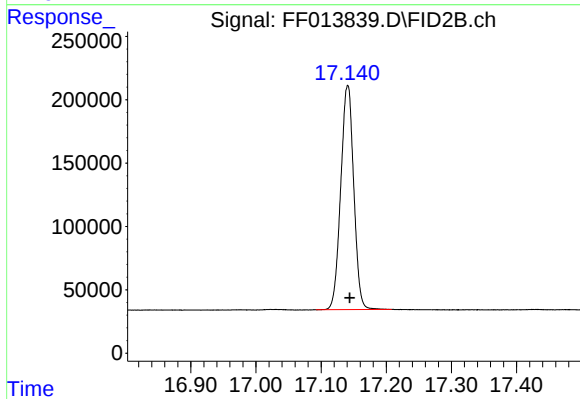
#14 n-Tetracosane (C24)

R.T.: 15.168 min
Delta R.T.: -0.003 min
Response: 2555927
Conc: 22.34 ug/ml



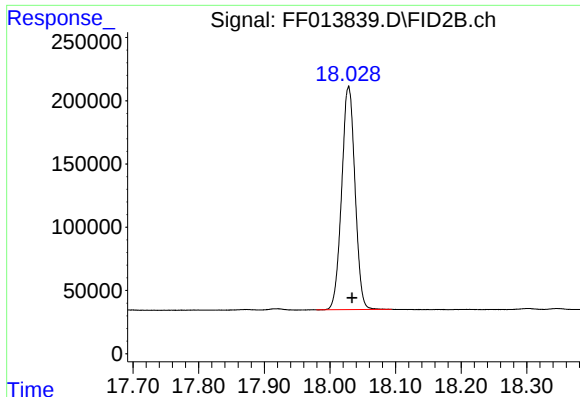
#15 n-Hexacosane (C26)

R.T.: 16.190 min
Delta R.T.: -0.003 min
Response: 2495112
Conc: 22.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.141 min
Delta R.T.: -0.003 min
Response: 2455477
Conc: 22.37 ug/ml



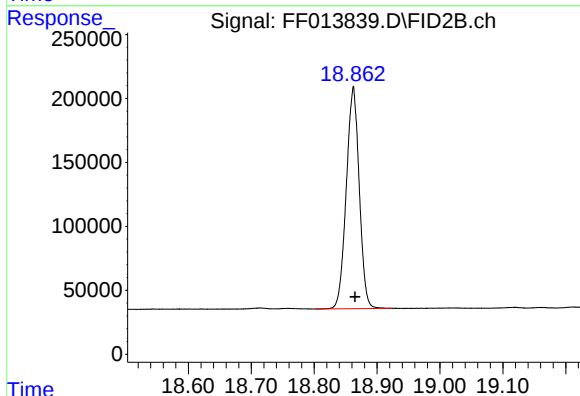
#17 n-Tricontane (C30)

R.T.: 18.028 min
Delta R.T.: -0.005 min
Response: 2491497
Conc: 22.43 ug/ml

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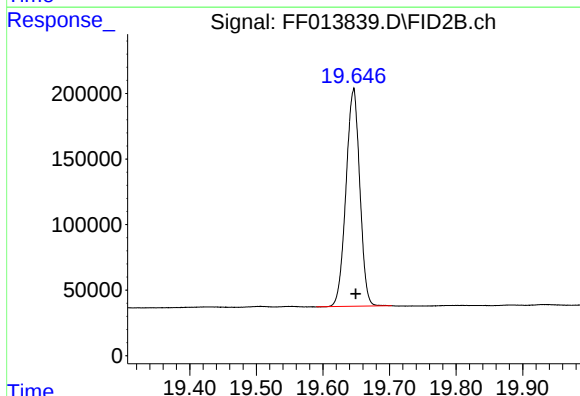
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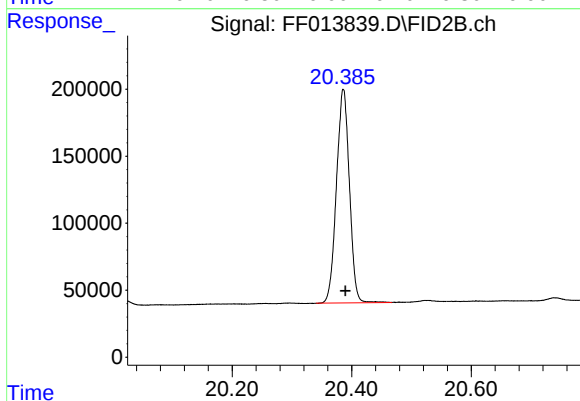
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.003 min
Response: 2480004
Conc: 22.30 ug/ml



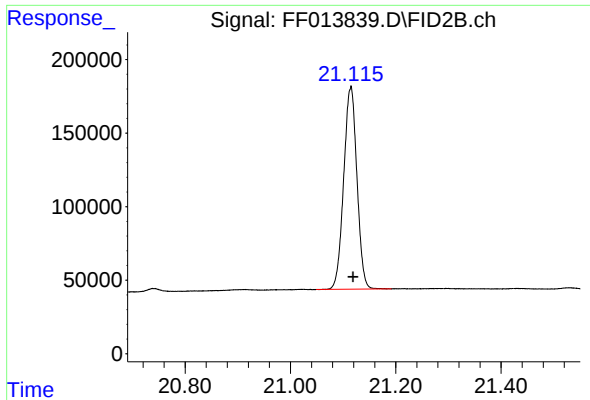
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: -0.003 min
Response: 2392573
Conc: 22.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.385 min
Delta R.T.: -0.005 min
Response: 2400994
Conc: 21.60 ug/ml m



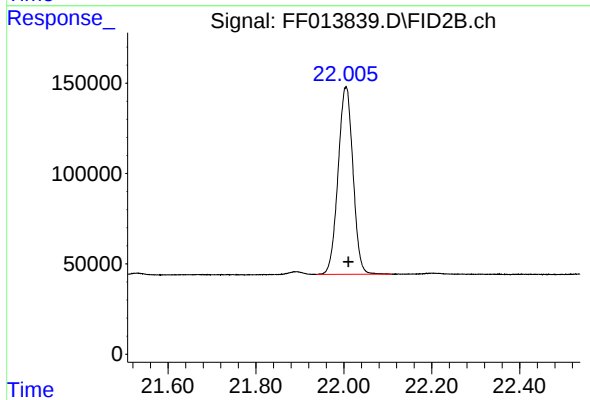
#21 n-Octatriacontane (C38)

R.T.: 21.115 min
Delta R.T.: -0.004 min
Response: 2401808
Conc: 21.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.005 min
Delta R.T.: -0.005 min
Response: 2439729
Conc: 21.54 ug/ml