

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082123AL\
 Data File : FF013230.D
 Signal(s) : FID2B.ch
 Acq On : 21 Aug 2023 10:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :Ankita Jodhani 08/22/2023

Integration File: autoint1.e
 Quant Time: Aug 22 01:32:27 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 16:05:52 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)	11.889	2579723	18.776 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
12) S 1-chlorooctadecane (S...	13.326	1960353	18.707 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
Target Compounds			
1) T n-Nonane (C9)	3.284	1990927	18.633 ug/ml
2) T n-Decane (C10)	4.536	2002727	18.688 ug/ml
3) T A~Naphthalene (C11.7)	6.234	2217125	18.728 ug/ml
4) T n-Dodecane (C12)	6.700	2027418	18.736 ug/ml
5) T A~2-methylnaphthalene...	7.328	2220119	18.730 ug/ml
6) T n-Tetradecane (C14)	8.525	2022820	18.740 ug/ml
7) T n-Hexadecane (C16)	10.131	2034786	18.771 ug/ml
8) T n-Octadecane (C18)	11.574	2055121	18.768 ug/ml
10) T n-Eicosane (C20)	12.882	2053540	18.714 ug/ml
11) T n-Heneicosane (C21)	13.494	2056408	18.717 ug/ml
13) T n-Docosane (C22)	14.080	2049980	18.672 ug/ml
14) T n-Tetracosane (C24)	15.182	2040571	18.573 ug/ml
15) T n-Hexacosane (C26)	16.203	2006106	18.356 ug/ml
16) T n-Octacosane (C28)	17.152	1955797	18.114 ug/ml
17) T n-Tricontane (C30)	18.038	1931322	17.660 ug/ml
18) T n-Dotriacontane (C32)	18.869	1919791	16.996 ug/ml
19) T n-Tetratriacontane (C34)	19.651	1830563	17.233 ug/mlm
20) T n-Hexatriacontane (C36)	20.388	1806999	17.144 ug/mlm
21) T n-Octatriacontane (C38)	21.117	1766334	17.489 ug/ml
22) T n-Tetracontane (C40)	22.013	1819735	18.309 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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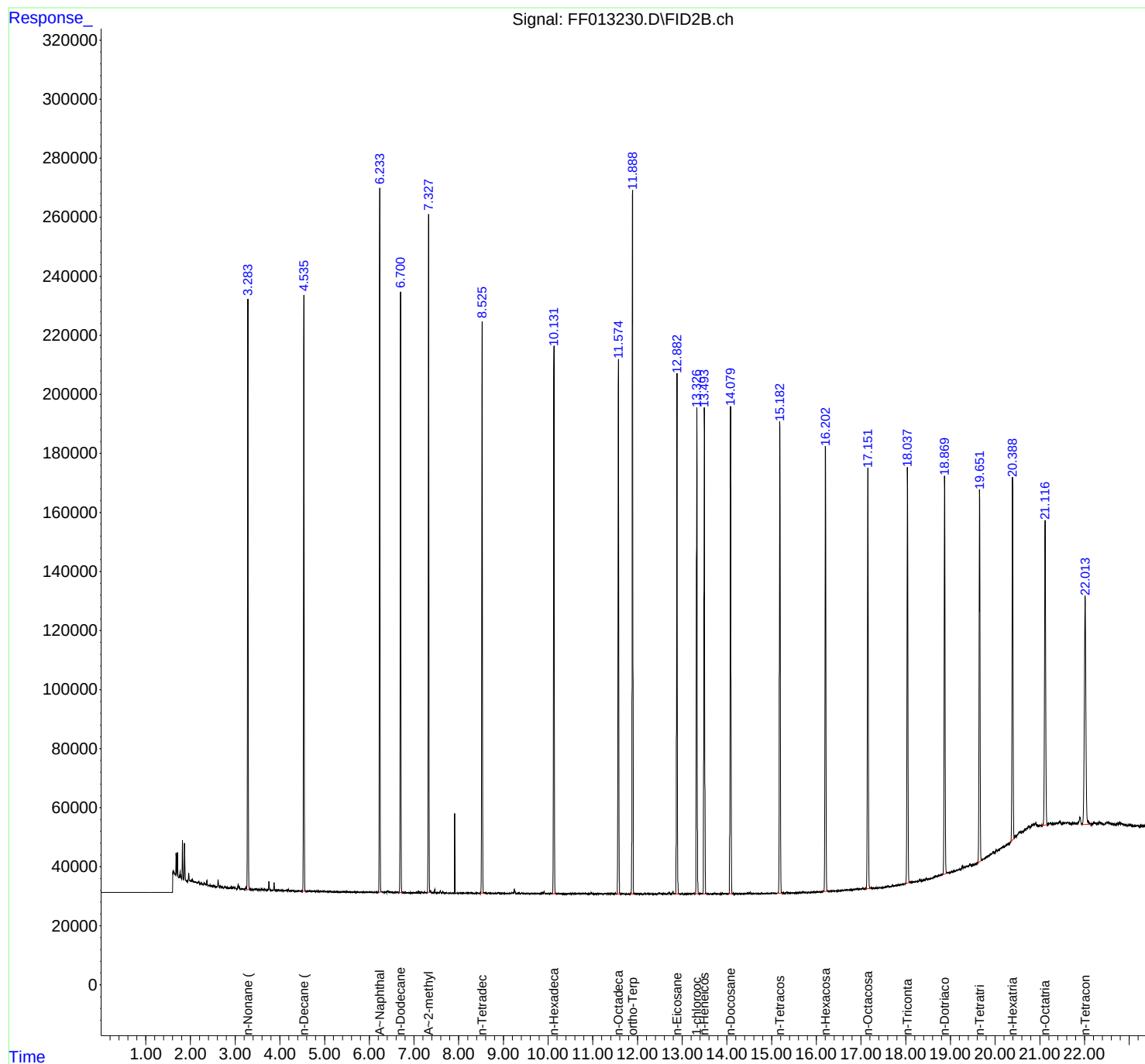
Instrument :
FID_F
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20 PPM ALIPHATIC HC STD

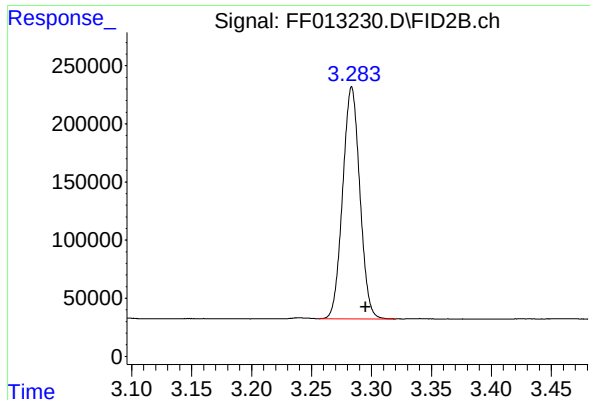
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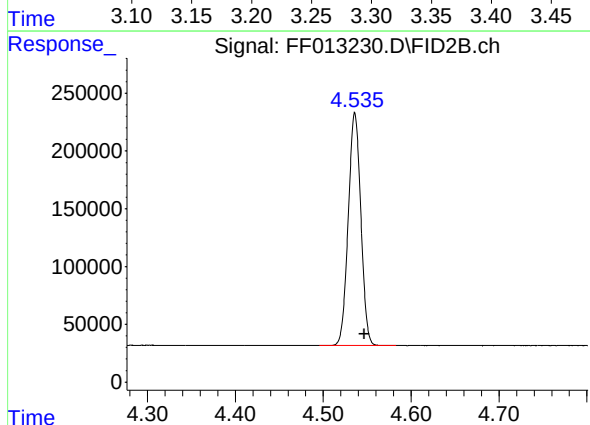
#1 n-Nonane (C9)

R.T.: 3.284 min
Delta R.T.: -0.011 min
Response: 1990927
Conc: 18.63 ug/ml

Instrument : FID_F
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20 PPM ALIPHATIC HC STD

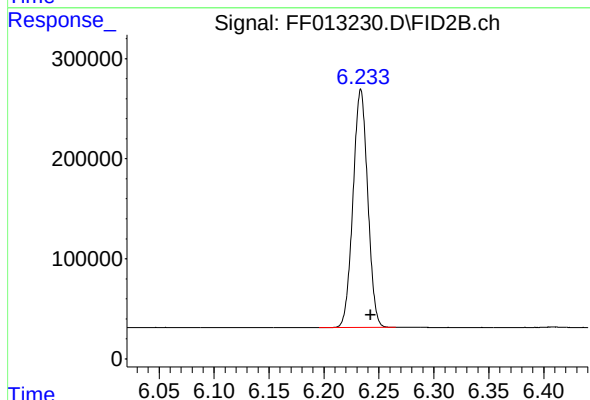
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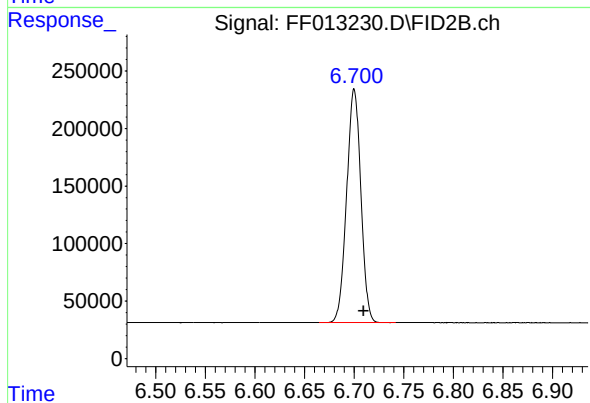
#2 n-Decane (C10)

R.T.: 4.536 min
Delta R.T.: -0.011 min
Response: 2002727
Conc: 18.69 ug/ml



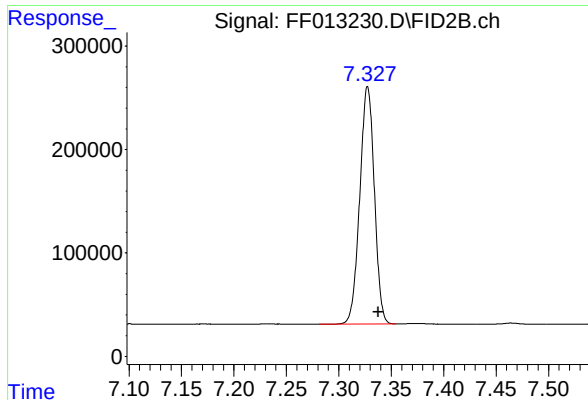
#3 A~Naphthalene (C11.7)

R.T.: 6.234 min
Delta R.T.: -0.009 min
Response: 2217125
Conc: 18.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.700 min
Delta R.T.: -0.009 min
Response: 2027418
Conc: 18.74 ug/ml



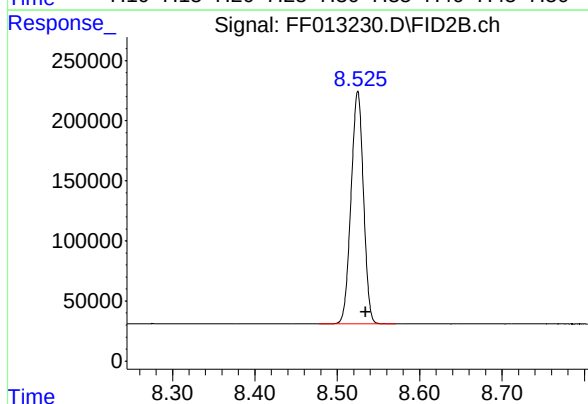
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.328 min
Delta R.T.: -0.010 min
Response: 2220119
Conc: 18.73 ug/ml

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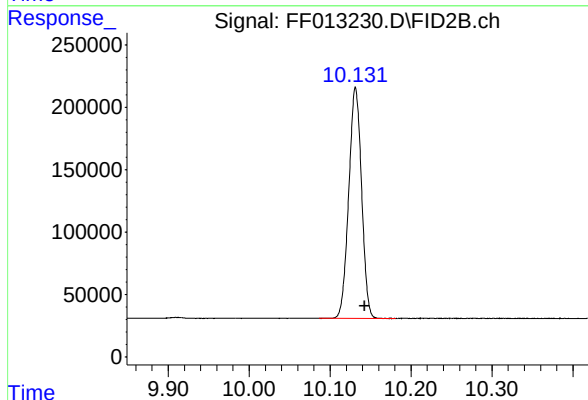
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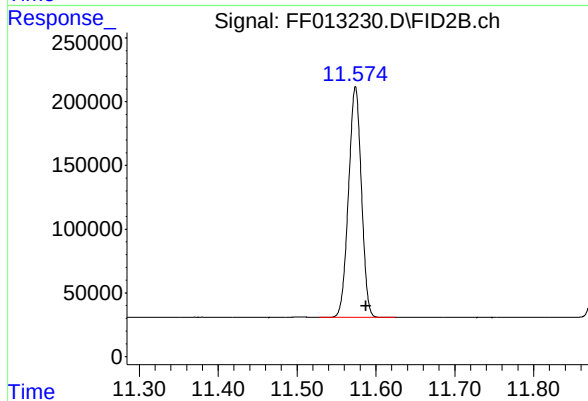
#6 n-Tetradecane (C14)

R.T.: 8.525 min
Delta R.T.: -0.009 min
Response: 2022820
Conc: 18.74 ug/ml



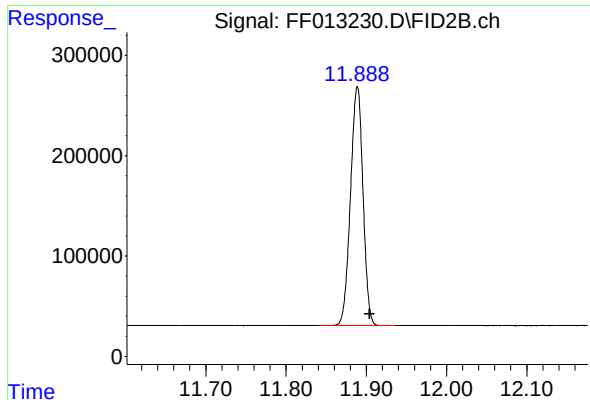
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: -0.011 min
Response: 2034786
Conc: 18.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.574 min
Delta R.T.: -0.013 min
Response: 2055121
Conc: 18.77 ug/ml



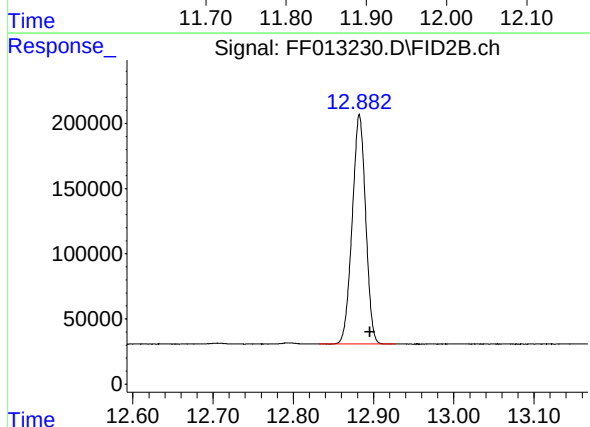
#9 ortho-Terphenyl (SURR)

R.T.: 11.889 min
Delta R.T.: -0.015 min
Response: 2579723
Conc: 18.78 ug/ml

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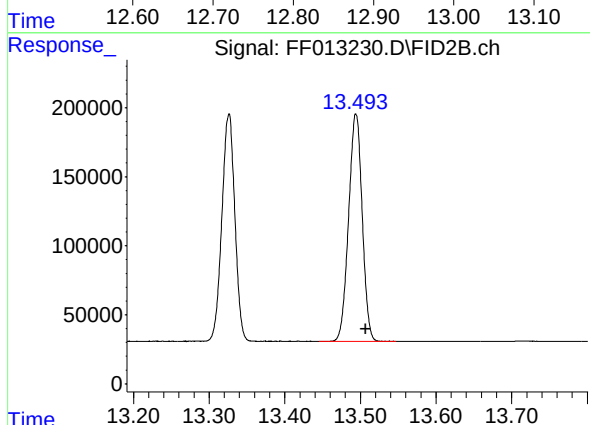
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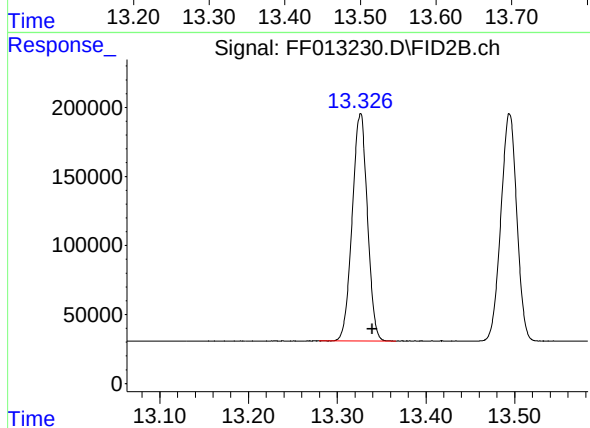
#10 n-Eicosane (C20)

R.T.: 12.882 min
Delta R.T.: -0.013 min
Response: 2053540
Conc: 18.71 ug/ml



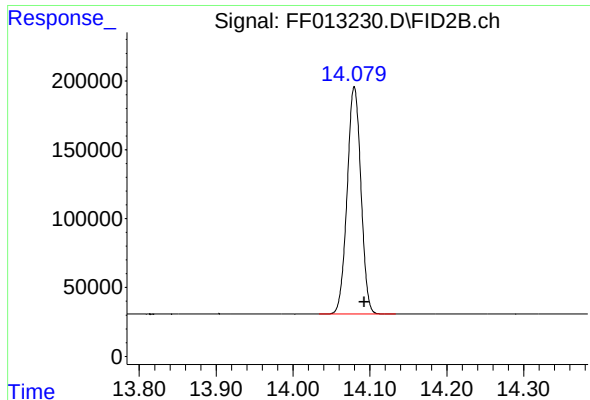
#11 n-Heneicosane (C21)

R.T.: 13.494 min
Delta R.T.: -0.013 min
Response: 2056408
Conc: 18.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.326 min
Delta R.T.: -0.013 min
Response: 1960353
Conc: 18.71 ug/ml



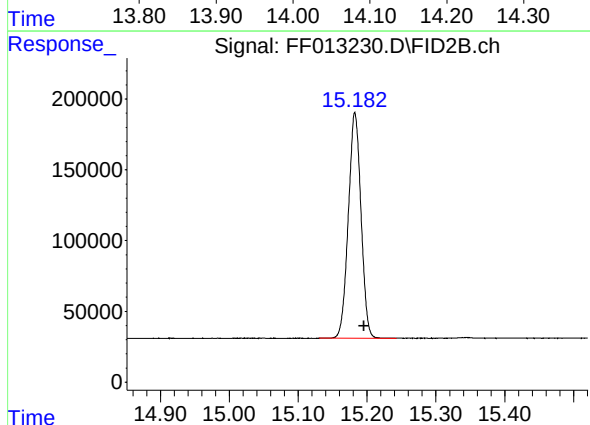
#13 n-Docosane (C22)

R.T.: 14.080 min
Delta R.T.: -0.013 min
Response: 2049980
Conc: 18.67 ug/ml

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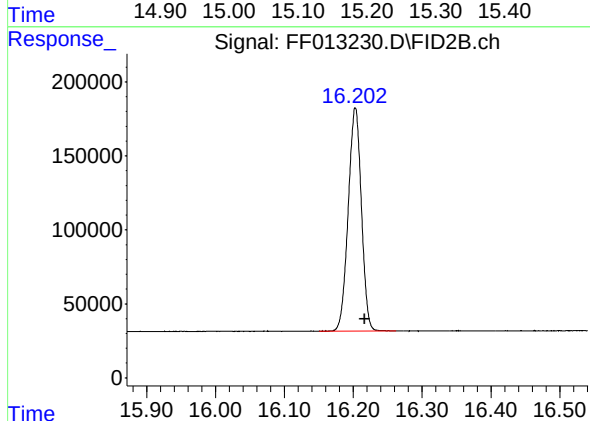
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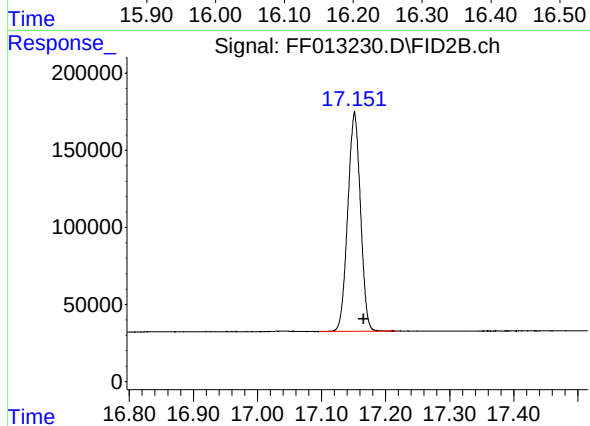
#14 n-Tetracosane (C24)

R.T.: 15.182 min
Delta R.T.: -0.013 min
Response: 2040571
Conc: 18.57 ug/ml



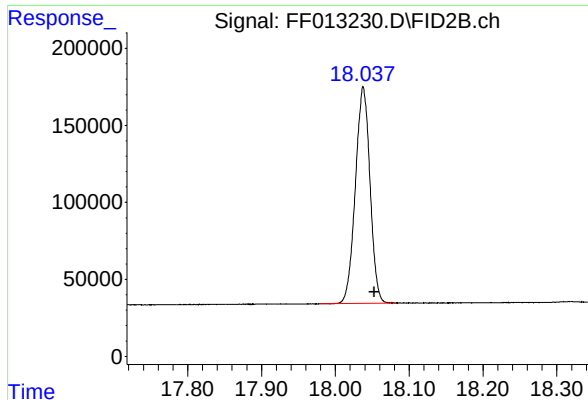
#15 n-Hexacosane (C26)

R.T.: 16.203 min
Delta R.T.: -0.013 min
Response: 2006106
Conc: 18.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.152 min
Delta R.T.: -0.014 min
Response: 1955797
Conc: 18.11 ug/ml



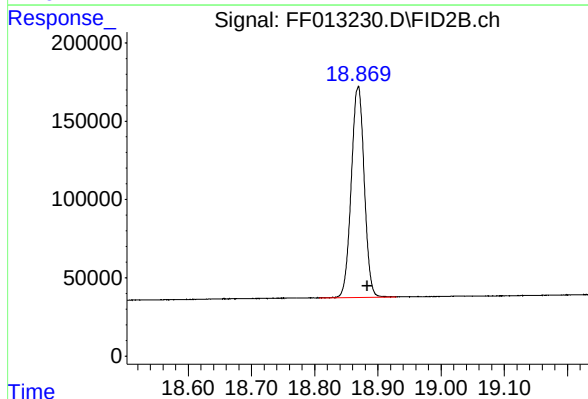
#17 n-Tricontane (C30)

R.T.: 18.038 min
Delta R.T.: -0.015 min
Response: 1931322
Conc: 17.66 ug/ml

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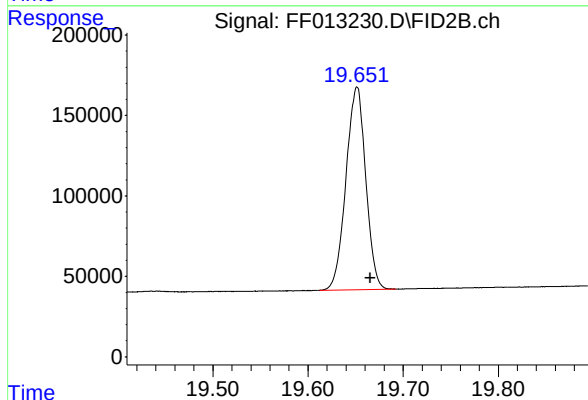
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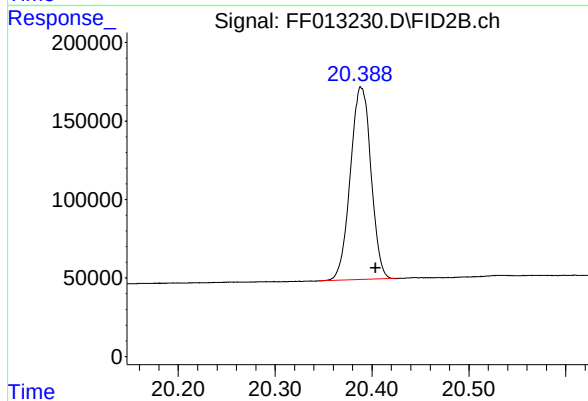
#18 n-Dotriacontane (C32)

R.T.: 18.869 min
Delta R.T.: -0.015 min
Response: 1919791
Conc: 17.00 ug/ml



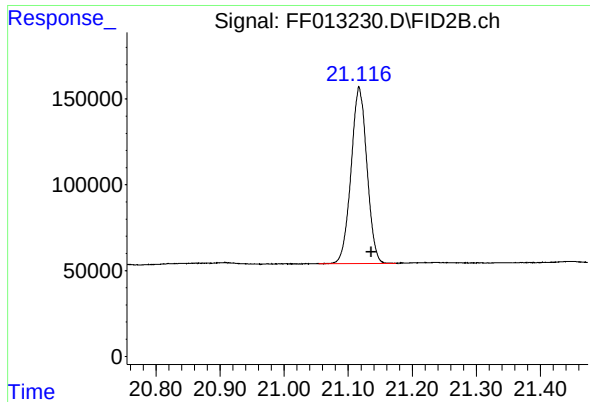
#19 n-Tetratriacontane (C34)

R.T.: 19.651 min
Delta R.T.: -0.014 min
Response: 1830563
Conc: 17.23 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.388 min
Delta R.T.: -0.016 min
Response: 1806999
Conc: 17.14 ug/ml m



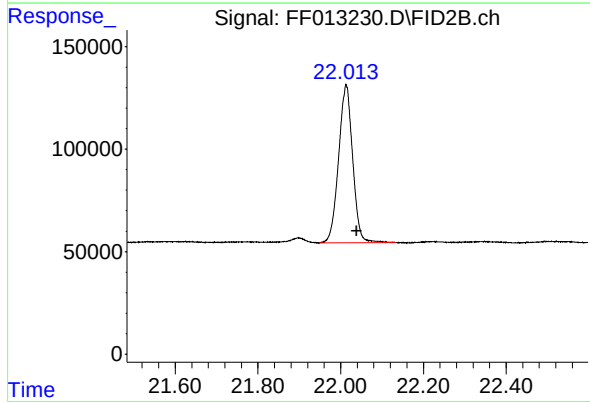
#21 n-Octatriacontane (C38)

R.T.: 21.117 min
Delta R.T.: -0.019 min
Response: 1766334
Conc: 17.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.013 min
Delta R.T.: -0.025 min
Response: 1819735
Conc: 18.31 ug/ml