

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF081823AL\
 Data File : FF013227.D
 Signal(s) : FID2B.ch
 Acq On : 19 Aug 2023 00:21
 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 08/21/2023
 Supervised By :Ankita Jodhani 08/21/2023

Integration File: autoint1.e
 Quant Time: Aug 19 02:49:12 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)	11.890	2709938	19.724 ug/ml
Spiked Amount 50.000		Recovery =	39.45%
12) S 1-chlorooctadecane (S...	13.327	2073668	19.788 ug/ml
Spiked Amount 50.000		Recovery =	39.58%
Target Compounds			
1) T n-Nonane (C9)	3.283	2085923	19.522 ug/ml
2) T n-Decane (C10)	4.537	2095008	19.549 ug/ml
3) T A~Naphthalene (C11.7)	6.234	2320834	19.604 ug/ml
4) T n-Dodecane (C12)	6.700	2116110	19.556 ug/ml
5) T A~2-methylnaphthalene...	7.327	2324025	19.607 ug/ml
6) T n-Tetradecane (C14)	8.525	2114580	19.590 ug/ml
7) T n-Hexadecane (C16)	10.133	2129414	19.644 ug/ml
8) T n-Octadecane (C18)	11.574	2153843	19.670 ug/ml
10) T n-Eicosane (C20)	12.883	2158378	19.670 ug/ml
11) T n-Heneicosane (C21)	13.495	2162931	19.687 ug/ml
13) T n-Docosane (C22)	14.081	2162167	19.694 ug/ml
14) T n-Tetracosane (C24)	15.183	2163509	19.692 ug/ml
15) T n-Hexacosane (C26)	16.203	2147152	19.646 ug/ml
16) T n-Octacosane (C28)	17.152	2117274	19.609 ug/ml
17) T n-Tricontane (C30)	18.039	2135933	19.531 ug/ml
18) T n-Dotriacontane (C32)	18.871	2145291	18.992 ug/ml
19) T n-Tetratriacontane (C34)	19.652	2050198	19.301 ug/mlm
20) T n-Hexatriacontane (C36)	20.392	2037893	19.334 ug/mlm
21) T n-Octatriacontane (C38)	21.120	1978370	19.588 ug/ml
22) T n-Tetracontane (C40)	22.016	1982965	19.951 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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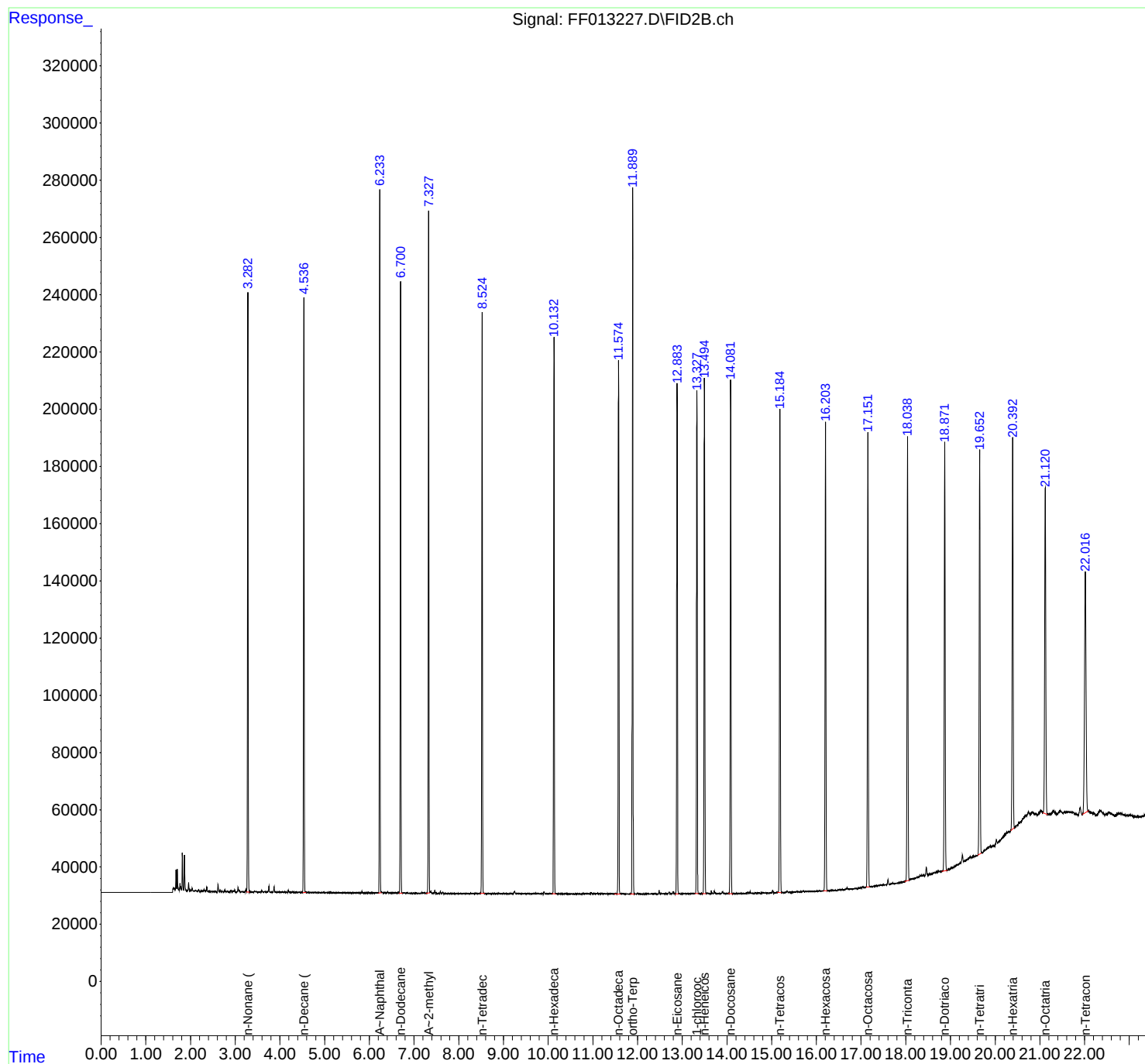
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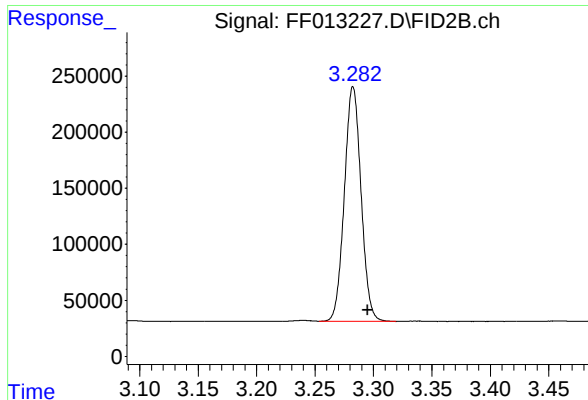
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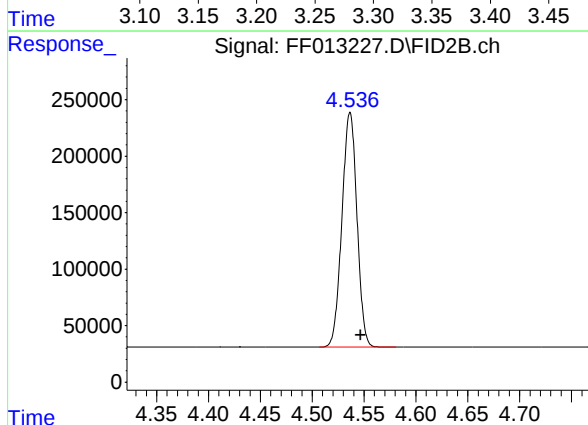
#1 n-Nonane (C9)

R.T.: 3.283 min
Delta R.T.: -0.012 min
Response: 2085923
Conc: 19.52 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

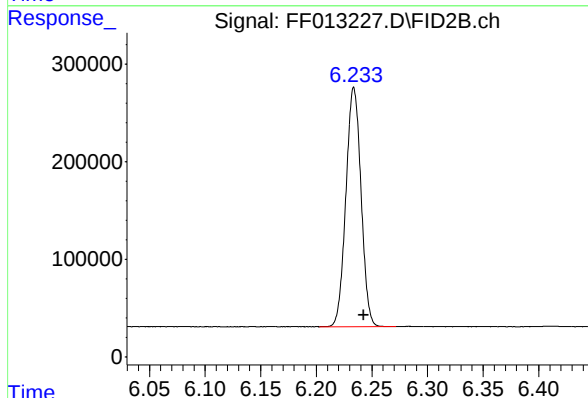
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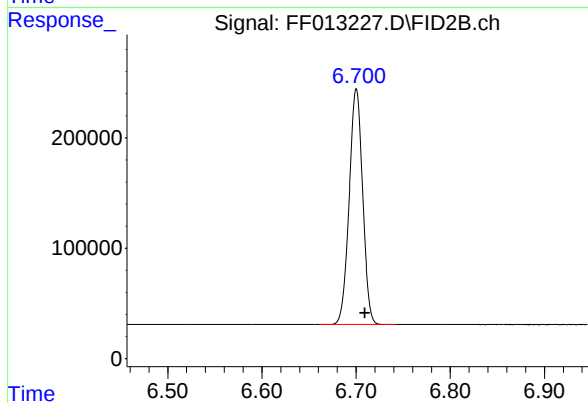
#2 n-Decane (C10)

R.T.: 4.537 min
Delta R.T.: -0.010 min
Response: 2095008
Conc: 19.55 ug/ml



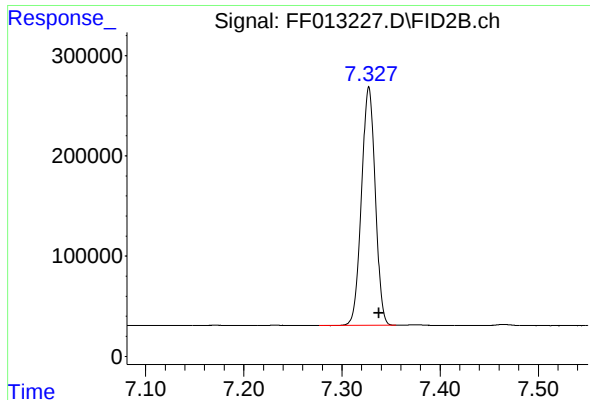
#3 A~Naphthalene (C11.7)

R.T.: 6.234 min
Delta R.T.: -0.009 min
Response: 2320834
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.700 min
Delta R.T.: -0.009 min
Response: 2116110
Conc: 19.56 ug/ml



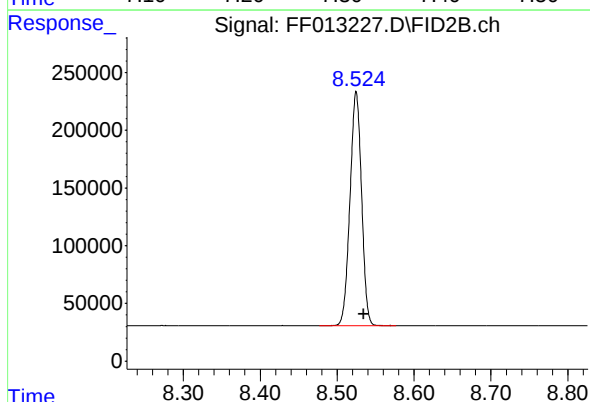
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.010 min
Response: 2324025
Conc: 19.61 ug/ml

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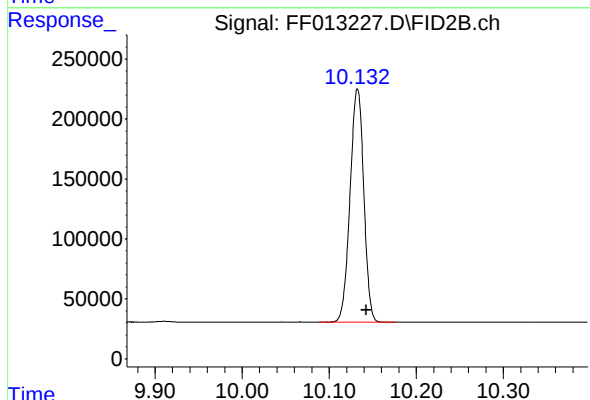
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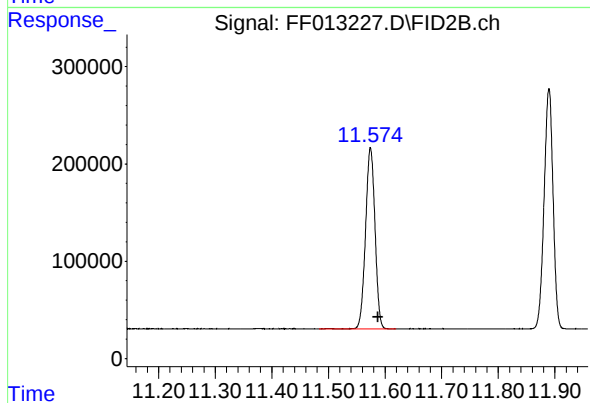
#6 n-Tetradecane (C14)

R.T.: 8.525 min
Delta R.T.: -0.010 min
Response: 2114580
Conc: 19.59 ug/ml



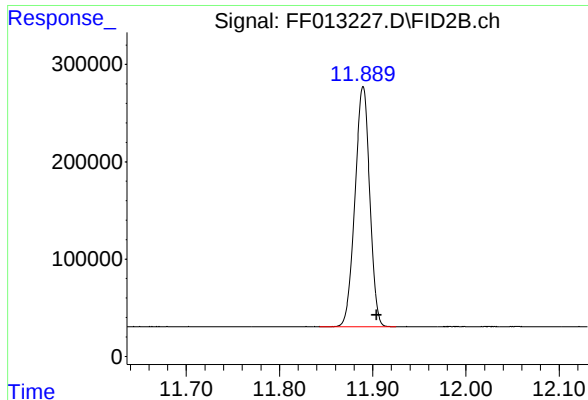
#7 n-Hexadecane (C16)

R.T.: 10.133 min
Delta R.T.: -0.010 min
Response: 2129414
Conc: 19.64 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.574 min
Delta R.T.: -0.013 min
Response: 2153843
Conc: 19.67 ug/ml



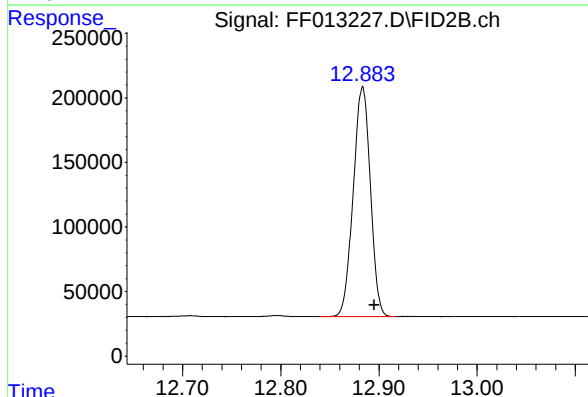
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.015 min
Response: 2709938
Conc: 19.72 ug/ml

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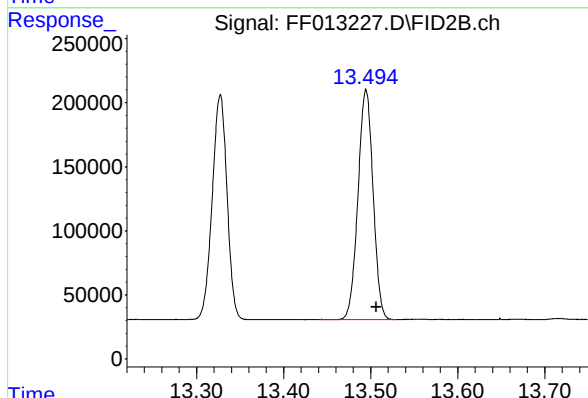
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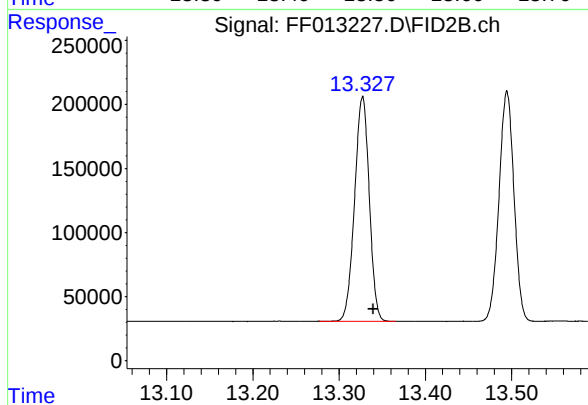
#10 n-Eicosane (C20)

R.T.: 12.883 min
Delta R.T.: -0.012 min
Response: 2158378
Conc: 19.67 ug/ml



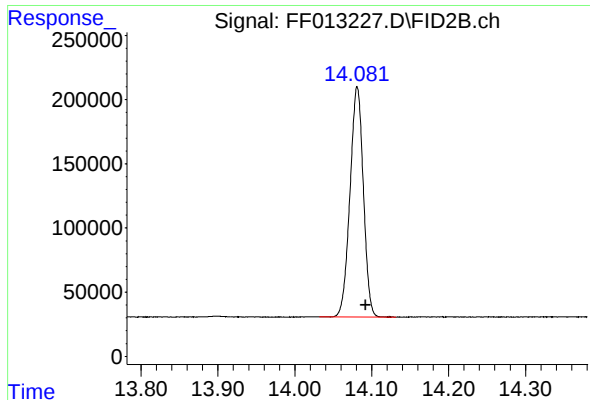
#11 n-Heneicosane (C21)

R.T.: 13.495 min
Delta R.T.: -0.012 min
Response: 2162931
Conc: 19.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.327 min
Delta R.T.: -0.012 min
Response: 2073668
Conc: 19.79 ug/ml



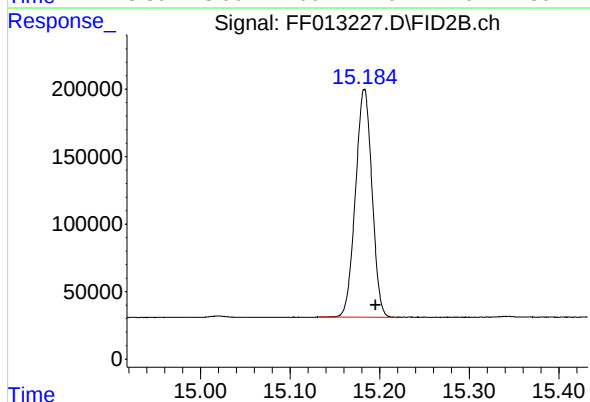
#13 n-Docosane (C22)

R.T.: 14.081 min
Delta R.T.: -0.011 min
Response: 2162167
Conc: 19.69 ug/ml

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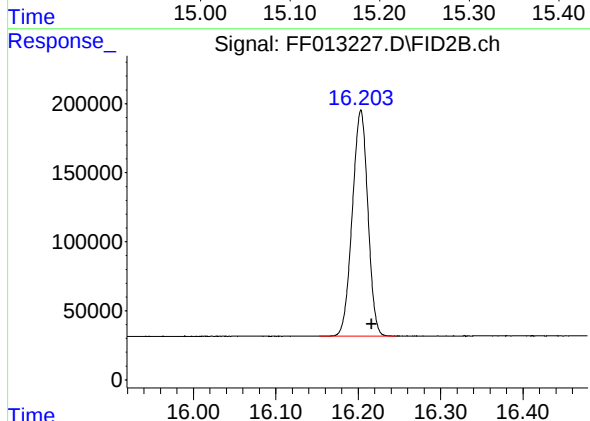
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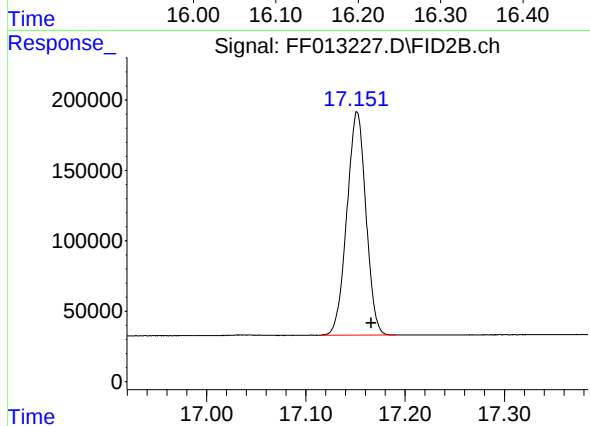
#14 n-Tetracosane (C24)

R.T.: 15.183 min
Delta R.T.: -0.013 min
Response: 2163509
Conc: 19.69 ug/ml



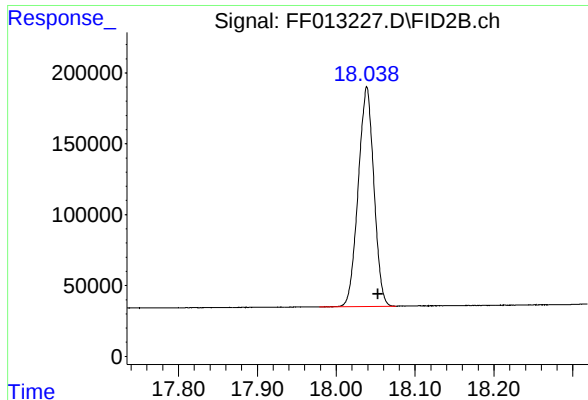
#15 n-Hexacosane (C26)

R.T.: 16.203 min
Delta R.T.: -0.013 min
Response: 2147152
Conc: 19.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.152 min
Delta R.T.: -0.014 min
Response: 2117274
Conc: 19.61 ug/ml



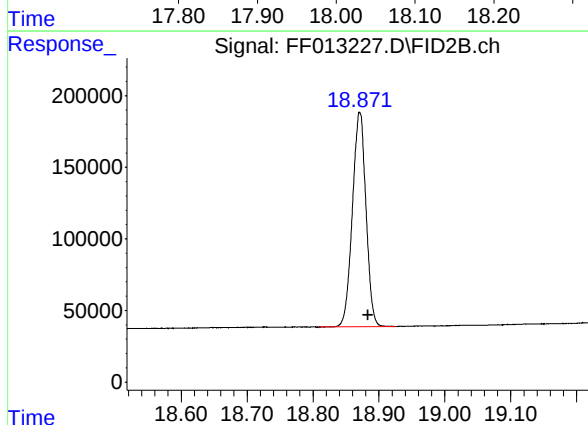
#17 n-Tricontane (C30)

R.T.: 18.039 min
Delta R.T.: -0.014 min
Response: 2135933
Conc: 19.53 ug/ml

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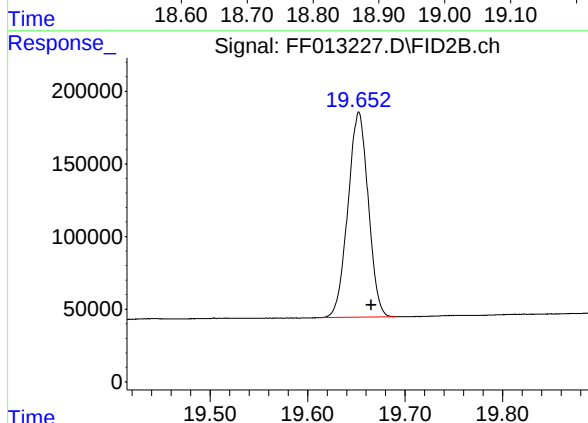
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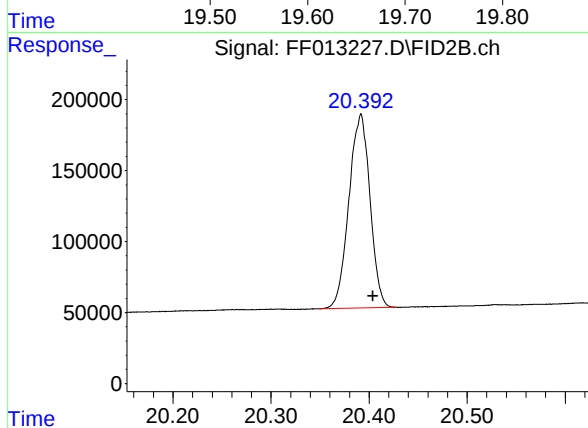
#18 n-Dotriacontane (C32)

R.T.: 18.871 min
Delta R.T.: -0.013 min
Response: 2145291
Conc: 18.99 ug/ml



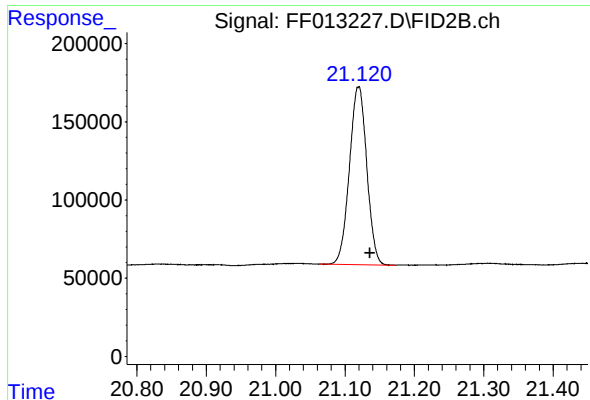
#19 n-Tetatriacontane (C34)

R.T.: 19.652 min
Delta R.T.: -0.013 min
Response: 2050198
Conc: 19.30 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.392 min
Delta R.T.: -0.012 min
Response: 2037893
Conc: 19.33 ug/ml m



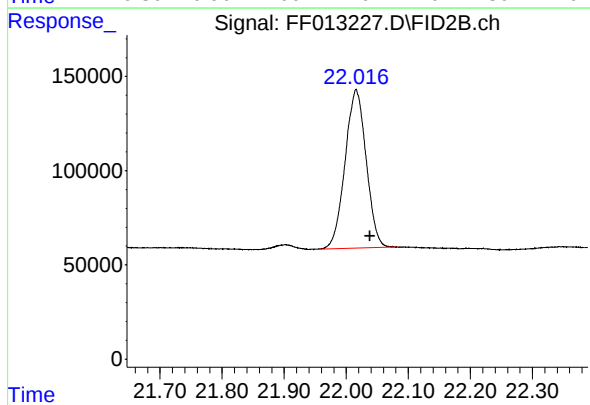
#21 n-Octatriacontane (C38)

R.T.: 21.120 min
Delta R.T.: -0.016 min
Response: 1978370
Conc: 19.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.016 min
Delta R.T.: -0.022 min
Response: 1982965
Conc: 19.95 ug/ml m