

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082223AL\
 Data File : FF013284.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2023 13:58
 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 08/23/2023

Integration File: autoint1.e
 Quant Time: Aug 22 16:25:16 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	2663251	19.384 ug/ml
Spiked Amount 50.000		Recovery =	38.77%
12) S 1-chlorooctadecane (S...	13.328	2033124	19.401 ug/ml
Spiked Amount 50.000		Recovery =	38.80%
Target Compounds			
1) T n-Nonane (C9)	3.282	2074930	19.419 ug/ml
2) T n-Decane (C10)	4.535	2095163	19.551 ug/ml
3) T A~Naphthalene (C11.7)	6.233	2320422	19.600 ug/ml
4) T n-Dodecane (C12)	6.699	2118210	19.576 ug/ml
5) T A~2-methylnaphthalene...	7.327	2323103	19.599 ug/ml
6) T n-Tetradecane (C14)	8.524	2112689	19.572 ug/ml
7) T n-Hexadecane (C16)	10.131	2122207	19.578 ug/ml
8) T n-Octadecane (C18)	11.574	2138345	19.528 ug/ml
10) T n-Eicosane (C20)	12.884	2135109	19.458 ug/ml
11) T n-Heneicosane (C21)	13.496	2124925	19.341 ug/ml
13) T n-Docosane (C22)	14.081	2123657	19.343 ug/ml
14) T n-Tetracosane (C24)	15.184	2130438	19.391 ug/ml
15) T n-Hexacosane (C26)	16.204	2093966	19.159 ug/ml
16) T n-Octacosane (C28)	17.153	2058506	19.065 ug/ml
17) T n-Tricontane (C30)	18.039	2061787	18.853 ug/mlm
18) T n-Dotriacontane (C32)	18.872	2059281	18.231 ug/ml
19) T n-Tetratriacontane (C34)	19.654	1934606	18.213 ug/ml
20) T n-Hexatriacontane (C36)	20.392	1919842	18.214 ug/ml
21) T n-Octatriacontane (C38)	21.123	1882734	18.641 ug/ml
22) T n-Tetracontane (C40)	22.018	1932967	19.448 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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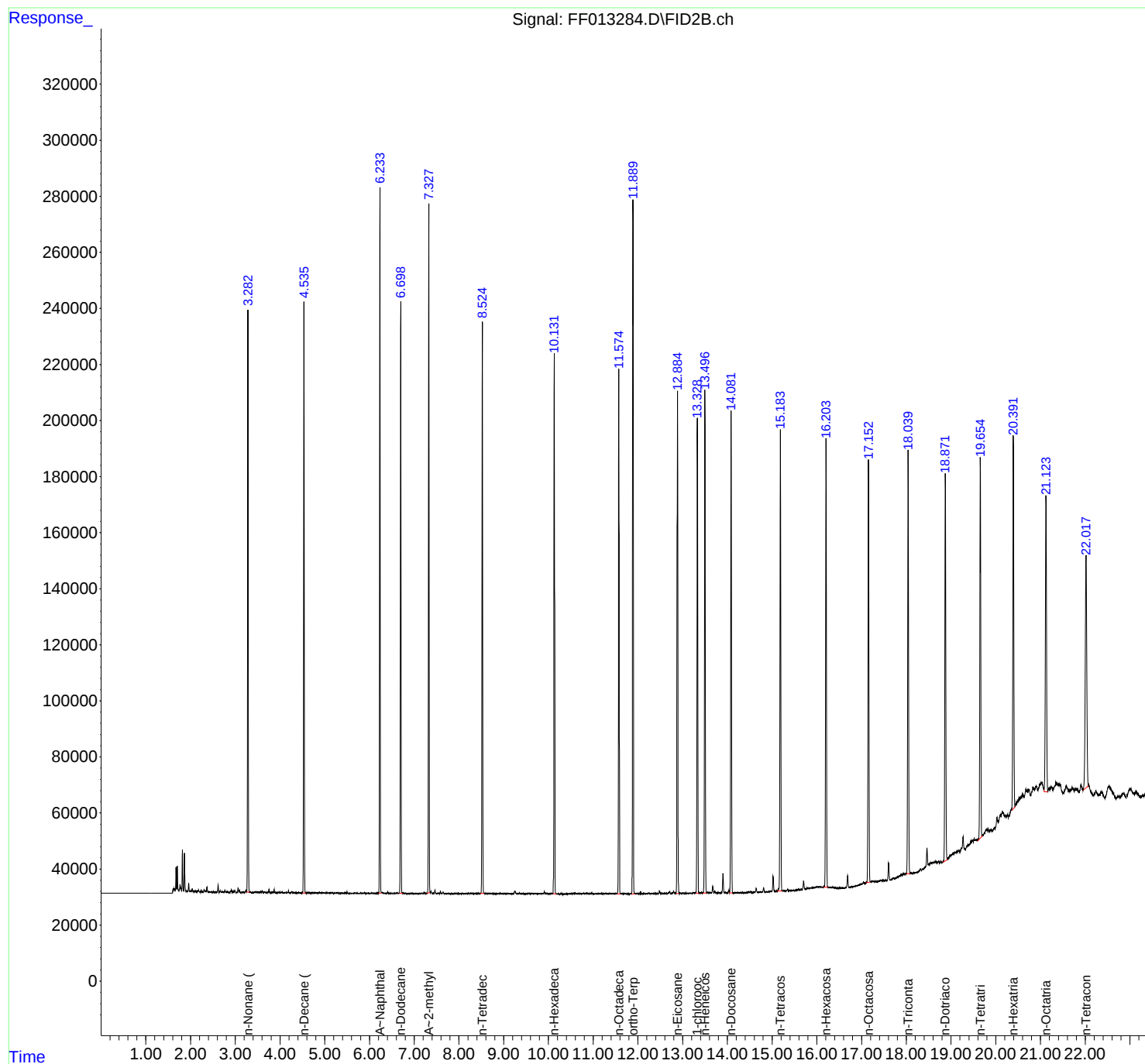
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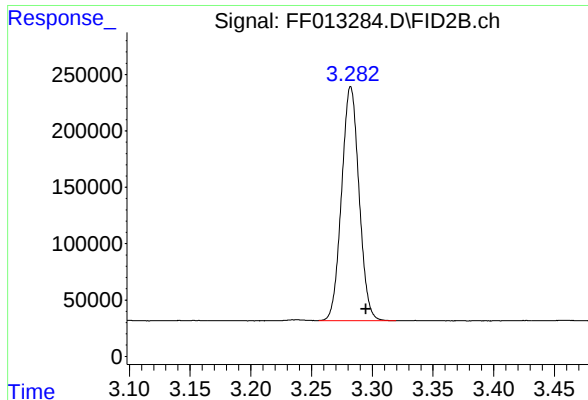
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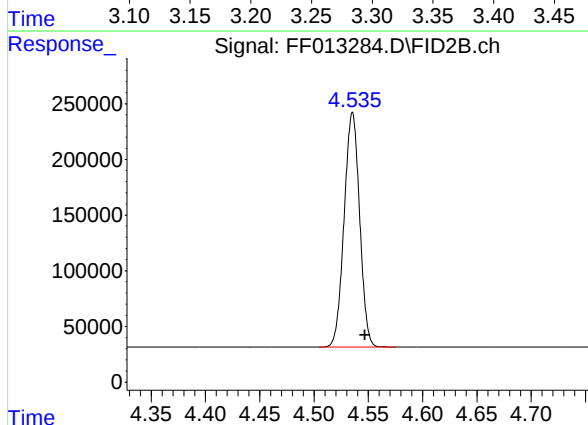
#1 n-Nonane (C9)

R.T.: 3.282 min
Delta R.T.: -0.013 min
Response: 2074930
Conc: 19.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

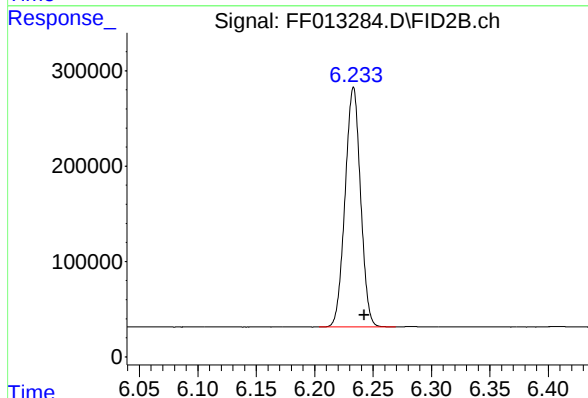
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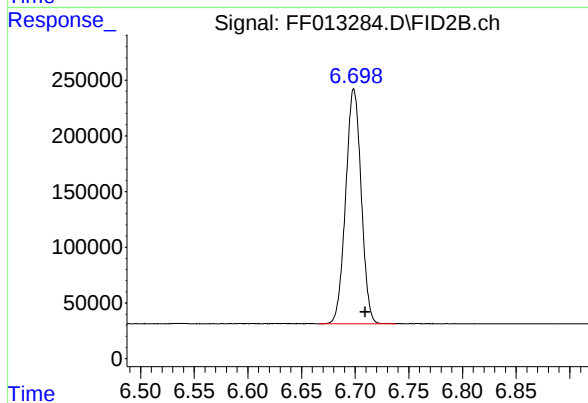
#2 n-Decane (C10)

R.T.: 4.535 min
Delta R.T.: -0.011 min
Response: 2095163
Conc: 19.55 ug/ml



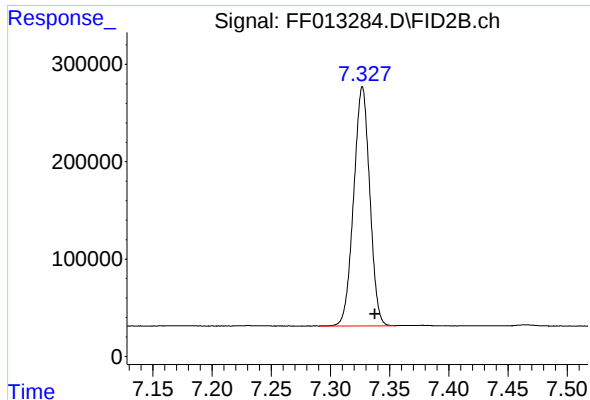
#3 A~Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.009 min
Response: 2320422
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.699 min
Delta R.T.: -0.011 min
Response: 2118210
Conc: 19.58 ug/ml



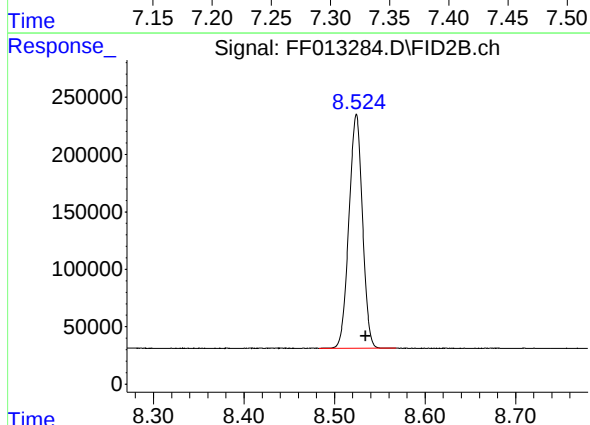
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.011 min
Response: 2323103
Conc: 19.60 ug/ml

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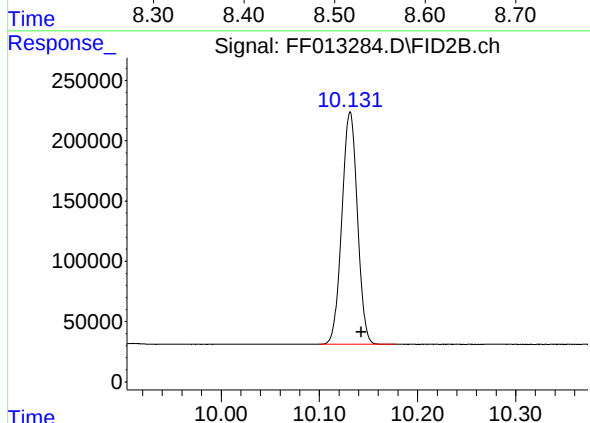
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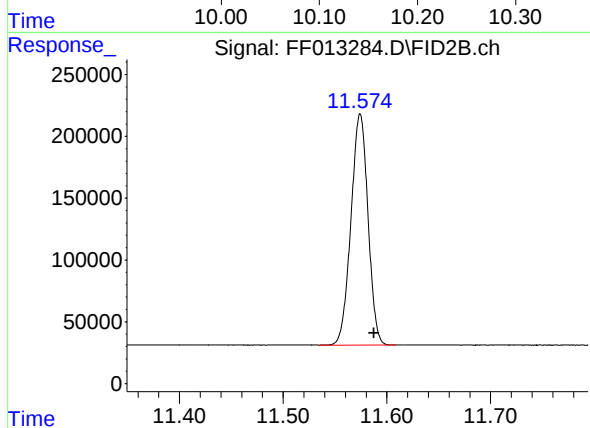
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.010 min
Response: 2112689
Conc: 19.57 ug/ml



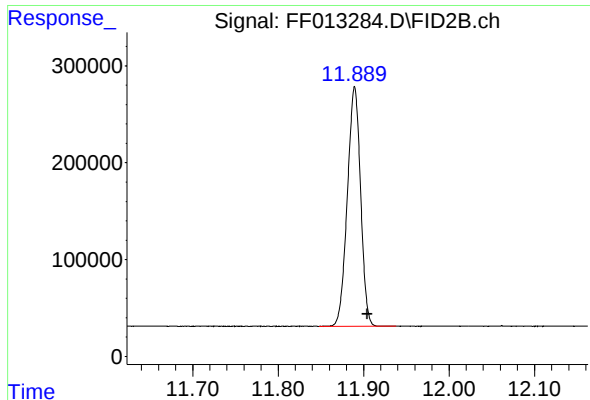
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: -0.011 min
Response: 2122207
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.574 min
Delta R.T.: -0.013 min
Response: 2138345
Conc: 19.53 ug/ml



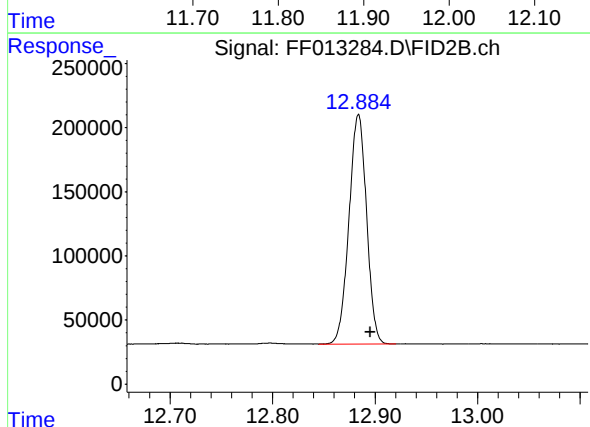
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.015 min
Response: 2663251
Conc: 19.38 ug/ml

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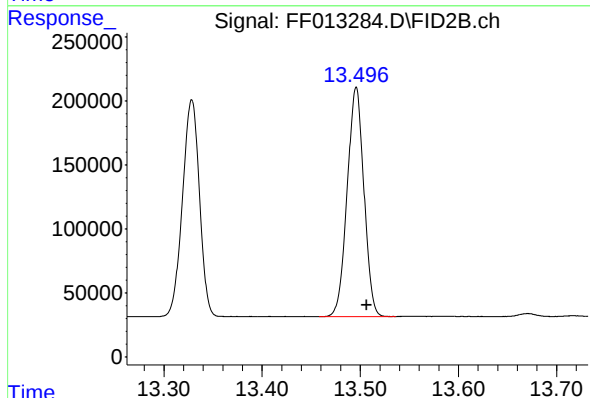
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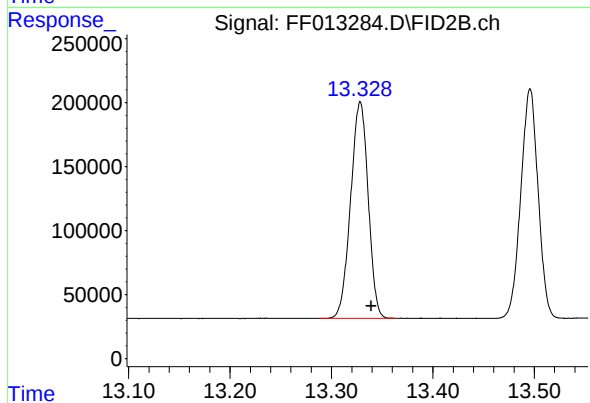
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: -0.012 min
Response: 2135109
Conc: 19.46 ug/ml



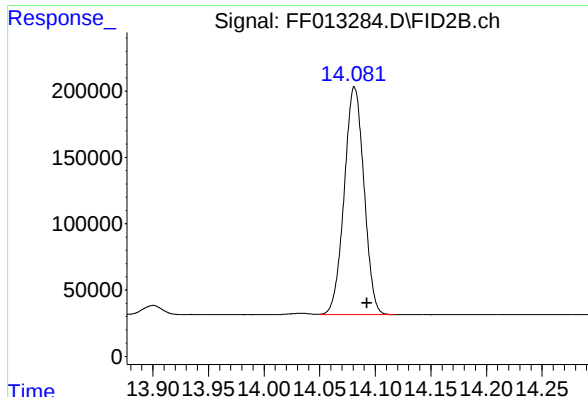
#11 n-Heneicosane (C21)

R.T.: 13.496 min
Delta R.T.: -0.011 min
Response: 2124925
Conc: 19.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.328 min
Delta R.T.: -0.011 min
Response: 2033124
Conc: 19.40 ug/ml



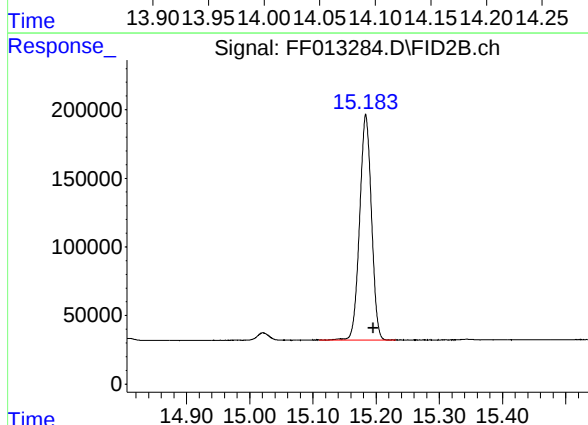
#13 n-Docosane (C22)

R.T.: 14.081 min
Delta R.T.: -0.011 min
Response: 2123657
Conc: 19.34 ug/ml

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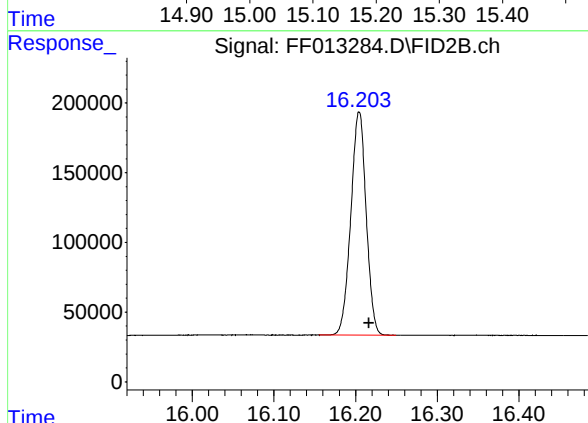
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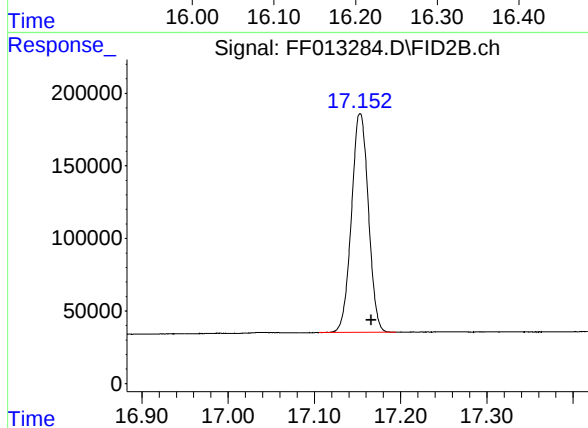
#14 n-Tetracosane (C24)

R.T.: 15.184 min
Delta R.T.: -0.012 min
Response: 2130438
Conc: 19.39 ug/ml



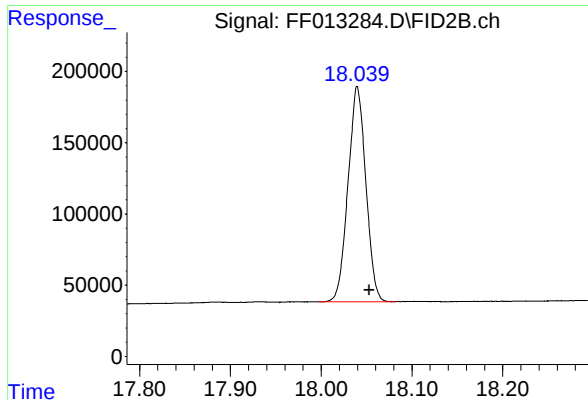
#15 n-Hexacosane (C26)

R.T.: 16.204 min
Delta R.T.: -0.012 min
Response: 2093966
Conc: 19.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.153 min
Delta R.T.: -0.013 min
Response: 2058506
Conc: 19.07 ug/ml



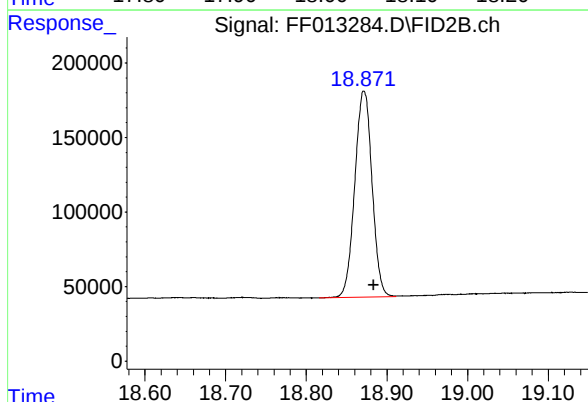
#17 n-Tricontane (C30)

R.T.: 18.039 min
Delta R.T.: -0.014 min
Response: 2061787
Conc: 18.85 ug/ml

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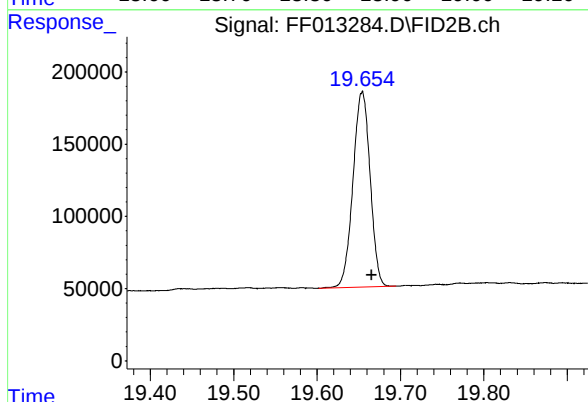
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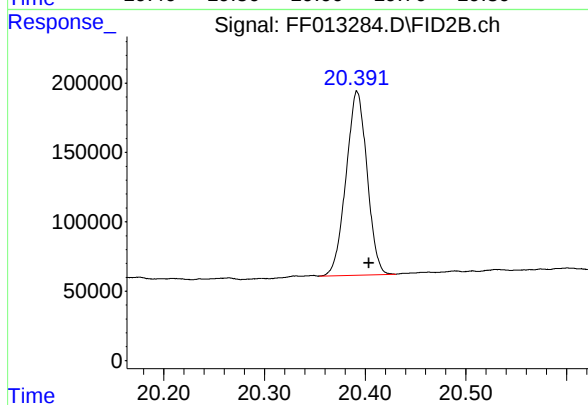
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.012 min
Response: 2059281
Conc: 18.23 ug/ml



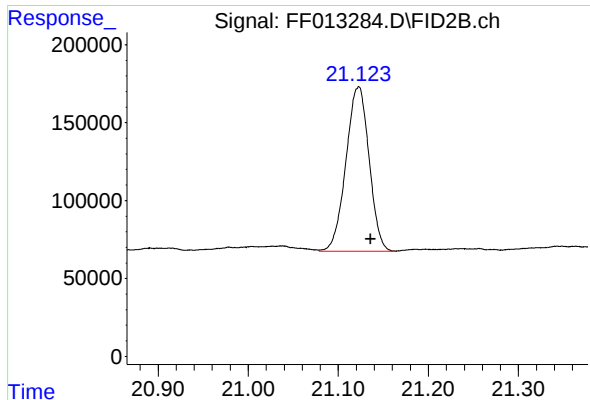
#19 n-Tetratriacontane (C34)

R.T.: 19.654 min
Delta R.T.: -0.011 min
Response: 1934606
Conc: 18.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.392 min
Delta R.T.: -0.012 min
Response: 1919842
Conc: 18.21 ug/ml



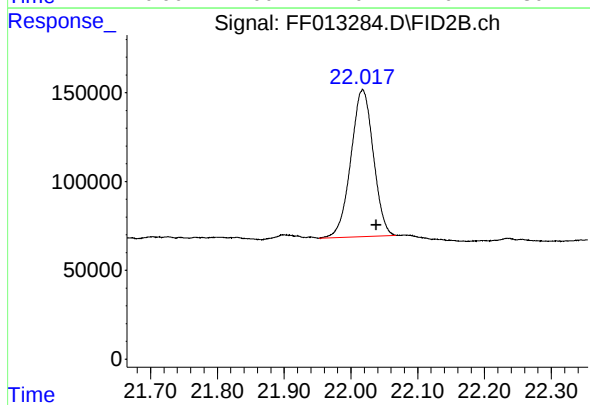
#21 n-Octatriacontane (C38)

R.T.: 21.123 min
Delta R.T.: -0.013 min
Response: 1882734
Conc: 18.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.018 min
Delta R.T.: -0.020 min
Response: 1932967
Conc: 19.45 ug/ml