

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082123AL\
 Data File : FF013252.D
 Signal(s) : FID2B.ch
 Acq On : 21 Aug 2023 21:39
 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 01:35:32 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)	11.892	2544914	18.523 ug/ml
Spiked Amount 50.000		Recovery =	37.05%
12) S 1-chlorooctadecane (S...	13.330	1944874	18.559 ug/ml
Spiked Amount 50.000		Recovery =	37.12%
Target Compounds			
1) T n-Nonane (C9)	3.284	1980619	18.536 ug/ml
2) T n-Decane (C10)	4.538	1991683	18.585 ug/ml
3) T A~Naphthalene (C11.7)	6.237	2210242	18.669 ug/ml
4) T n-Dodecane (C12)	6.702	2020336	18.671 ug/ml
5) T A~2-methylnaphthalene...	7.331	2214763	18.685 ug/ml
6) T n-Tetradecane (C14)	8.527	2016096	18.677 ug/ml
7) T n-Hexadecane (C16)	10.134	2029248	18.720 ug/ml
8) T n-Octadecane (C18)	11.577	2044040	18.667 ug/ml
10) T n-Eicosane (C20)	12.886	2038718	18.579 ug/ml
11) T n-Heneicosane (C21)	13.498	2031004	18.486 ug/ml
13) T n-Docosane (C22)	14.083	2027789	18.470 ug/ml
14) T n-Tetracosane (C24)	15.185	2018490	18.372 ug/ml
15) T n-Hexacosane (C26)	16.206	1972882	18.052 ug/ml
16) T n-Octacosane (C28)	17.155	1929568	17.871 ug/ml
17) T n-Tricontane (C30)	18.042	1918298	17.541 ug/ml
18) T n-Dotriacontane (C32)	18.873	1902862	16.846 ug/mlm
19) T n-Tetratriacontane (C34)	19.656	1794944	16.898 ug/mlm
20) T n-Hexatriacontane (C36)	20.395	1815516	17.225 ug/mlm
21) T n-Octatriacontane (C38)	21.123	1776630	17.590 ug/mlm
22) T n-Tetracontane (C40)	22.021	1899461	19.111 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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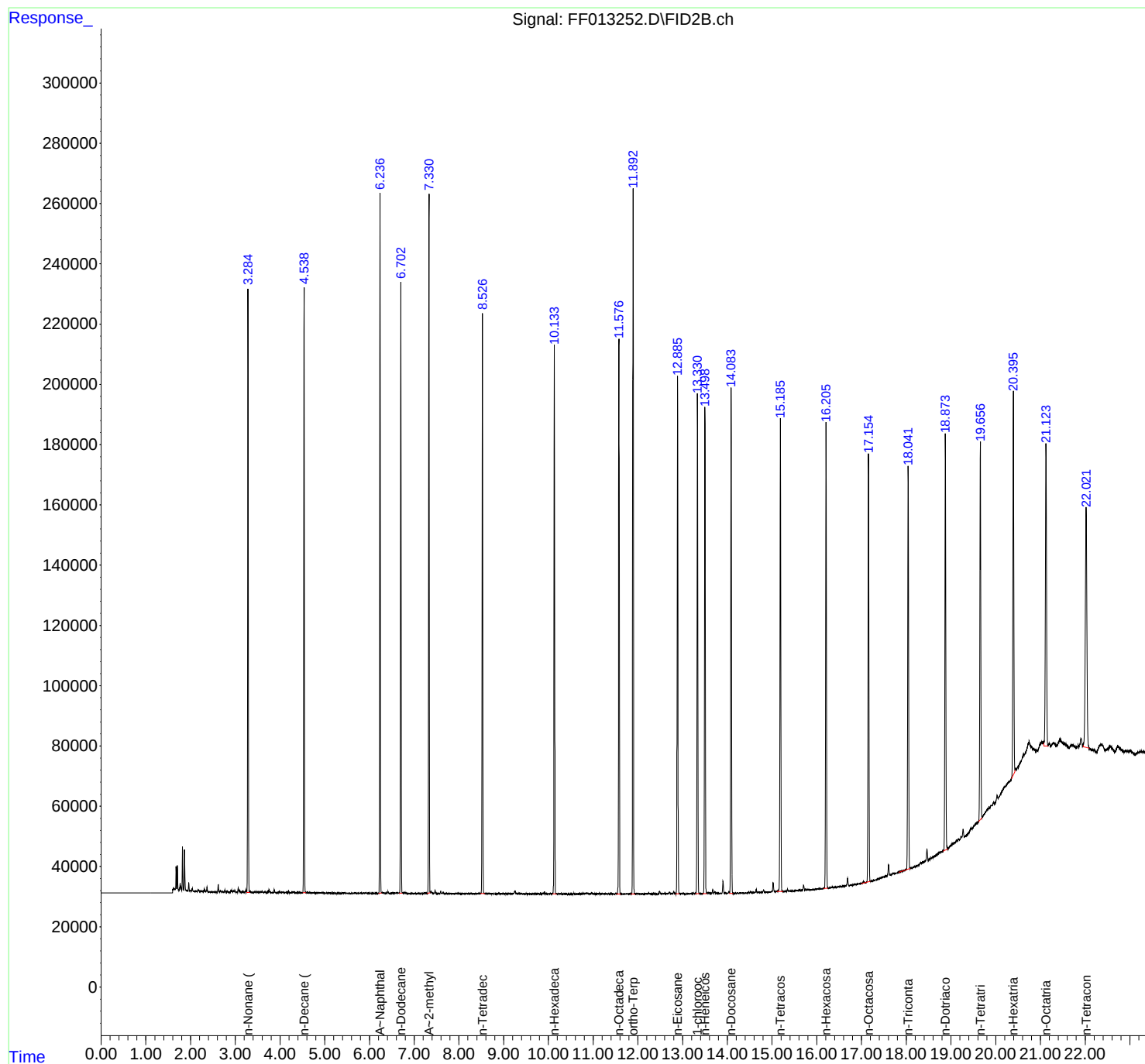
Instrument :
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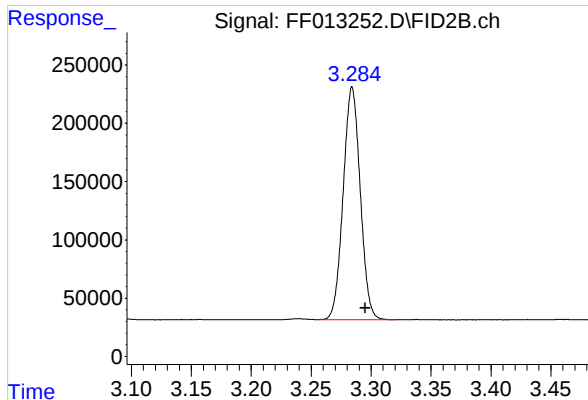
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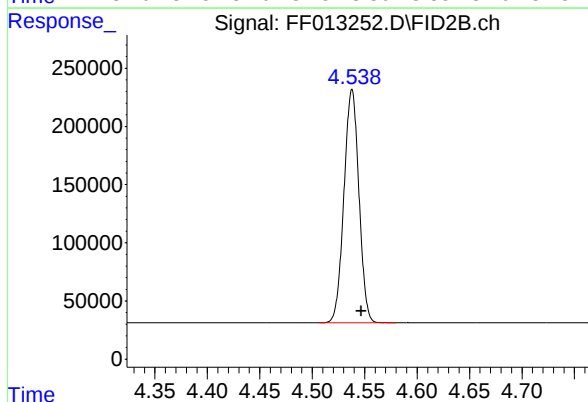
#1 n-Nonane (C9)

R.T.: 3.284 min
Delta R.T.: -0.011 min
Response: 1980619
Conc: 18.54 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

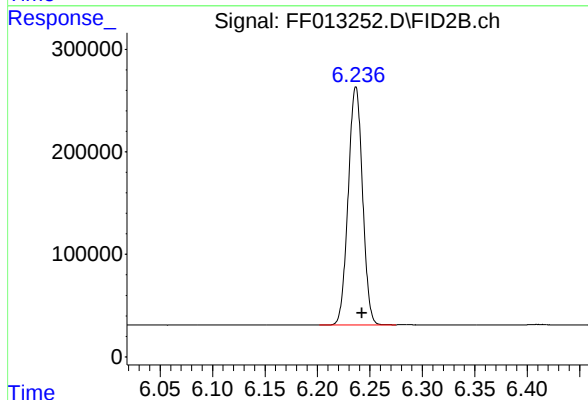
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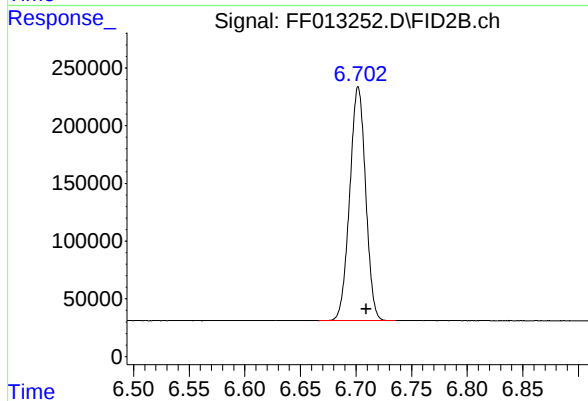
#2 n-Decane (C10)

R.T.: 4.538 min
Delta R.T.: -0.009 min
Response: 1991683
Conc: 18.59 ug/ml



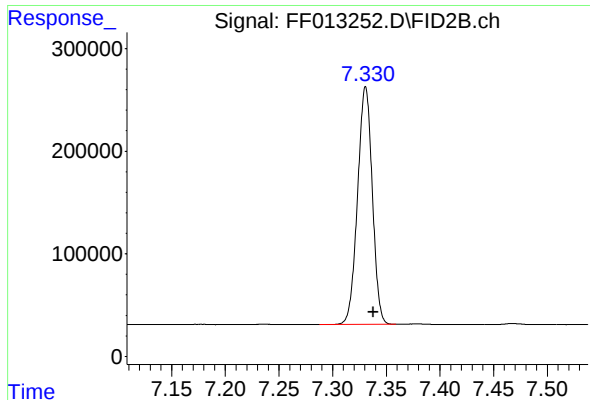
#3 A~Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: -0.006 min
Response: 2210242
Conc: 18.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.702 min
Delta R.T.: -0.007 min
Response: 2020336
Conc: 18.67 ug/ml



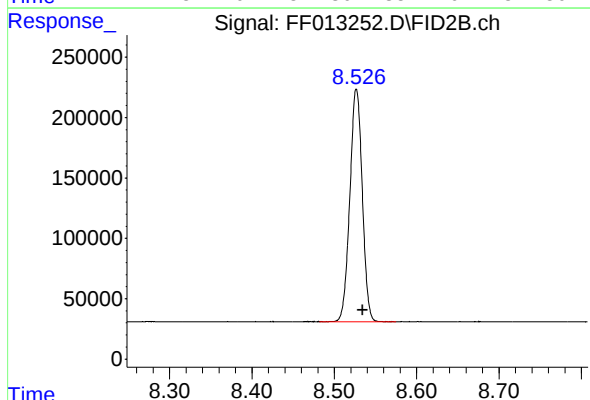
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.007 min
Response: 2214763
Conc: 18.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

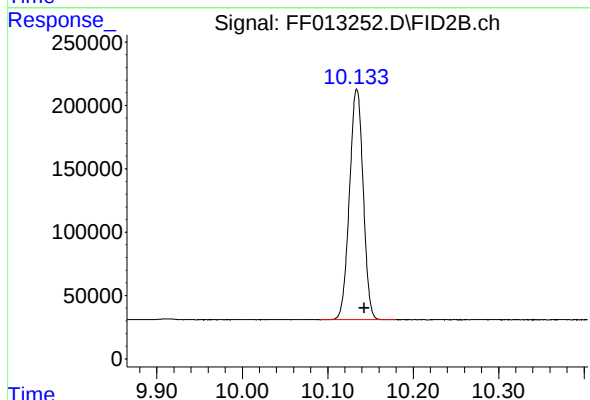
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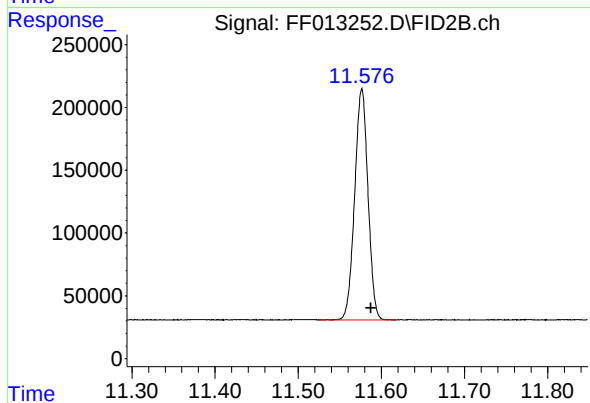
#6 n-Tetradecane (C14)

R.T.: 8.527 min
Delta R.T.: -0.007 min
Response: 2016096
Conc: 18.68 ug/ml



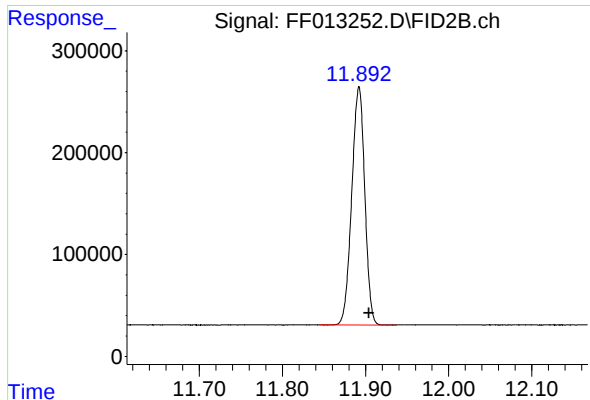
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: -0.009 min
Response: 2029248
Conc: 18.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.577 min
Delta R.T.: -0.011 min
Response: 2044040
Conc: 18.67 ug/ml



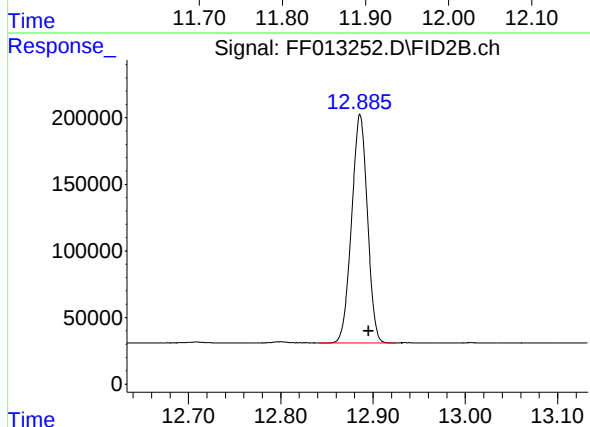
#9 ortho-Terphenyl (SURR)

R.T.: 11.892 min
Delta R.T.: -0.012 min
Response: 2544914
Conc: 18.52 ug/ml

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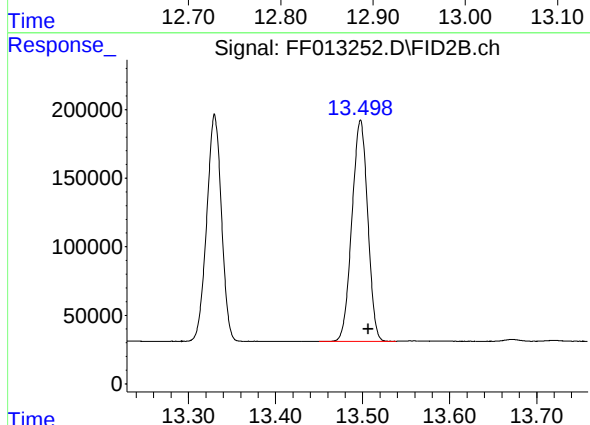
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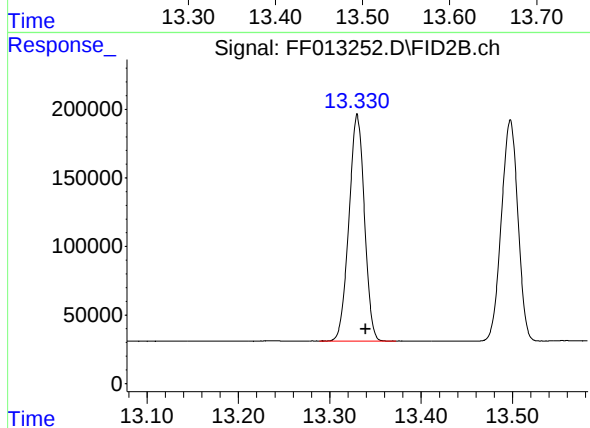
#10 n-Eicosane (C20)

R.T.: 12.886 min
Delta R.T.: -0.009 min
Response: 2038718
Conc: 18.58 ug/ml



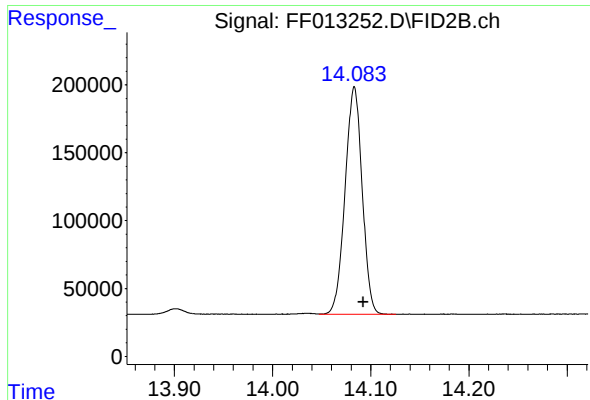
#11 n-Heneicosane (C21)

R.T.: 13.498 min
Delta R.T.: -0.009 min
Response: 2031004
Conc: 18.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.330 min
Delta R.T.: -0.009 min
Response: 1944874
Conc: 18.56 ug/ml



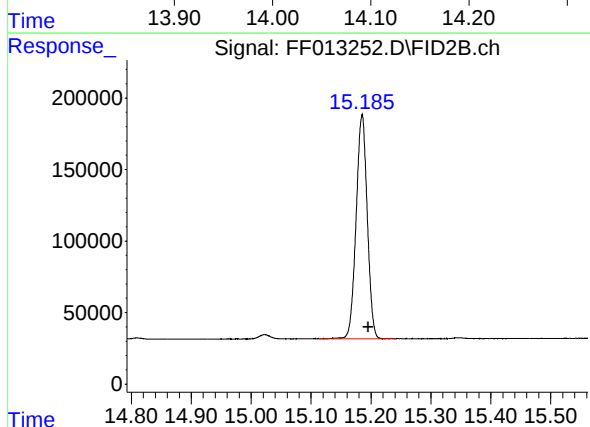
#13 n-Docosane (C22)

R.T.: 14.083 min
Delta R.T.: -0.009 min
Response: 2027789
Conc: 18.47 ug/ml

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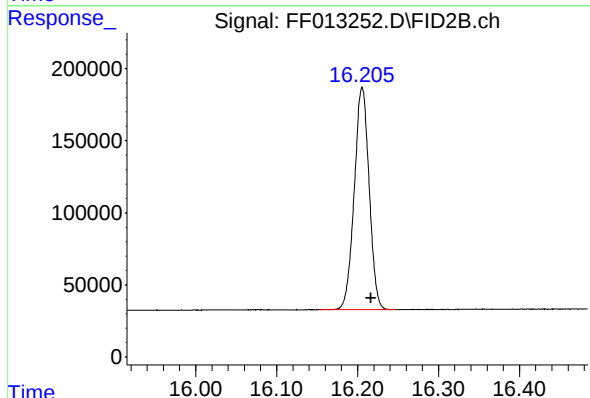
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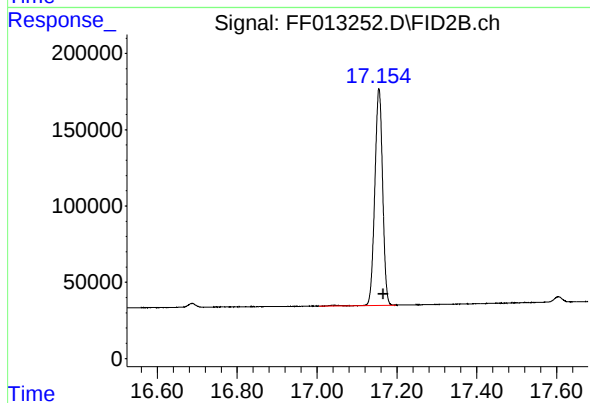
#14 n-Tetracosane (C24)

R.T.: 15.185 min
Delta R.T.: -0.010 min
Response: 2018490
Conc: 18.37 ug/ml



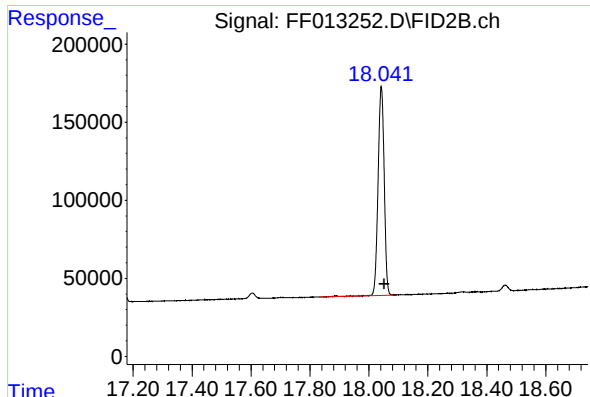
#15 n-Hexacosane (C26)

R.T.: 16.206 min
Delta R.T.: -0.011 min
Response: 1972882
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.155 min
Delta R.T.: -0.011 min
Response: 1929568
Conc: 17.87 ug/ml



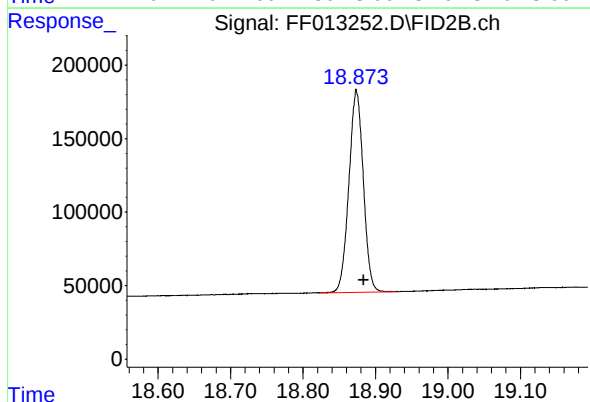
#17 n-Tricontane (C30)

R.T.: 18.042 min
Delta R.T.: -0.011 min
Response: 1918298
Conc: 17.54 ug/ml

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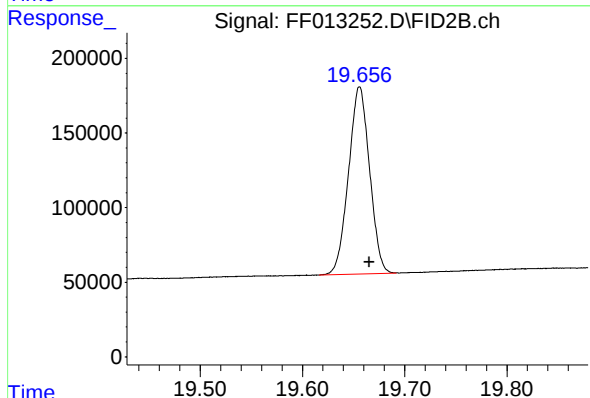
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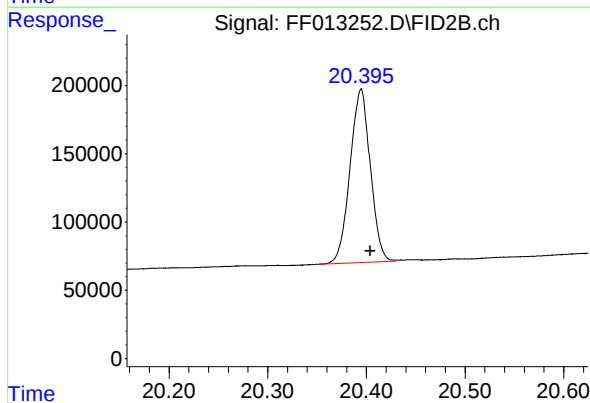
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: -0.011 min
Response: 1902862
Conc: 16.85 ug/ml m



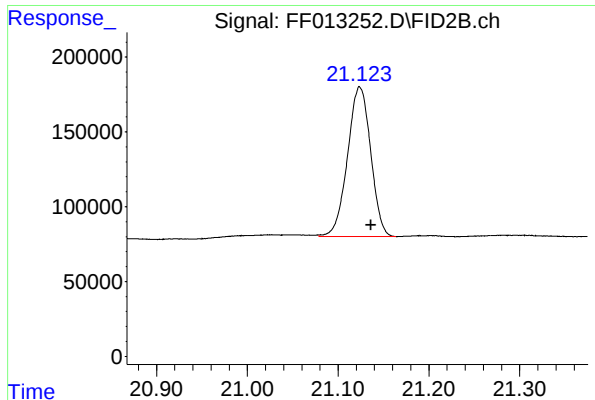
#19 n-Tetratriacontane (C34)

R.T.: 19.656 min
Delta R.T.: -0.010 min
Response: 1794944
Conc: 16.90 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.395 min
Delta R.T.: -0.009 min
Response: 1815516
Conc: 17.22 ug/ml m



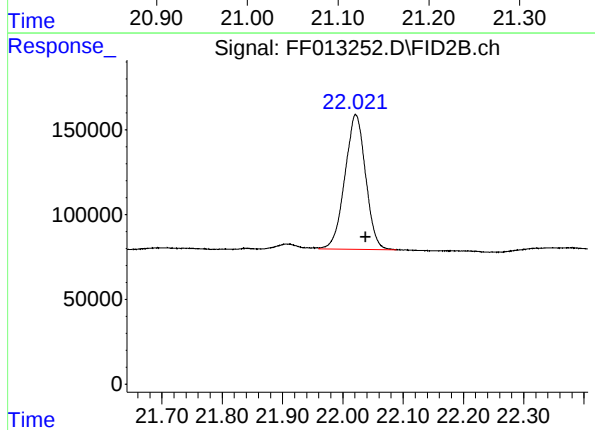
#21 n-Octatriacontane (C38)

R.T.: 21.123 min
Delta R.T.: -0.013 min
Response: 1776630
Conc: 17.59 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.021 min
Delta R.T.: -0.017 min
Response: 1899461
Conc: 19.11 ug/ml m