

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF062323AL\
 Data File : FF012993.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jun 2023 01:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :Ankita Jodhani 06/26/2023

Integration File: autoint1.e
 Quant Time: Jun 24 04:08:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 062023.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 20 13:45:06 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)	10.873	2732040	18.516 ug/ml
Spiked Amount 50.000		Recovery =	37.03%
12) S 1-chlorooctadecane (S...	12.305	1953546	18.439 ug/ml
Spiked Amount 50.000		Recovery =	36.88%
Target Compounds			
1) T n-Nonane (C9)	2.742	2497268	21.156 ug/ml
2) T n-Decane (C10)	3.749	2520720	21.163 ug/ml
3) T A~Naphthalene (C11.7)	5.314	2540838	20.661 ug/ml
4) T n-Dodecane (C12)	5.733	2497688	20.700 ug/ml
5) T A~2-methylnaphthalene...	6.363	2284927	20.508 ug/ml
6) T n-Tetradecane (C14)	7.520	2396706	20.445 ug/ml
7) T n-Hexadecane (C16)	9.116	2417168	19.811 ug/ml
8) T n-Octadecane (C18)	10.554	2417354	19.014 ug/ml
10) T n-Eicosane (C20)	11.860	2301963	18.449 ug/ml
11) T n-Heneicosane (C21)	12.469	2260553	18.437 ug/ml
13) T n-Docosane (C22)	13.055	2214830	18.078 ug/ml
14) T n-Tetracosane (C24)	14.155	2237219	18.228 ug/ml
15) T n-Hexacosane (C26)	15.173	2146260	17.841 ug/ml
16) T n-Octacosane (C28)	16.120	2102408	17.879 ug/ml
17) T n-Tricontane (C30)	17.006	2150182	18.055 ug/ml
18) T n-Dotriacontane (C32)	17.836	2131734	18.231 ug/ml
19) T n-Tetratriacontane (C34)	18.617	2096108	18.879 ug/ml
20) T n-Hexatriacontane (C36)	19.355	2014210	19.001 ug/mlm
21) T n-Octatriacontane (C38)	20.078	1997794	19.119 ug/ml
22) T n-Tetracontane (C40)	20.959	1874397	19.347 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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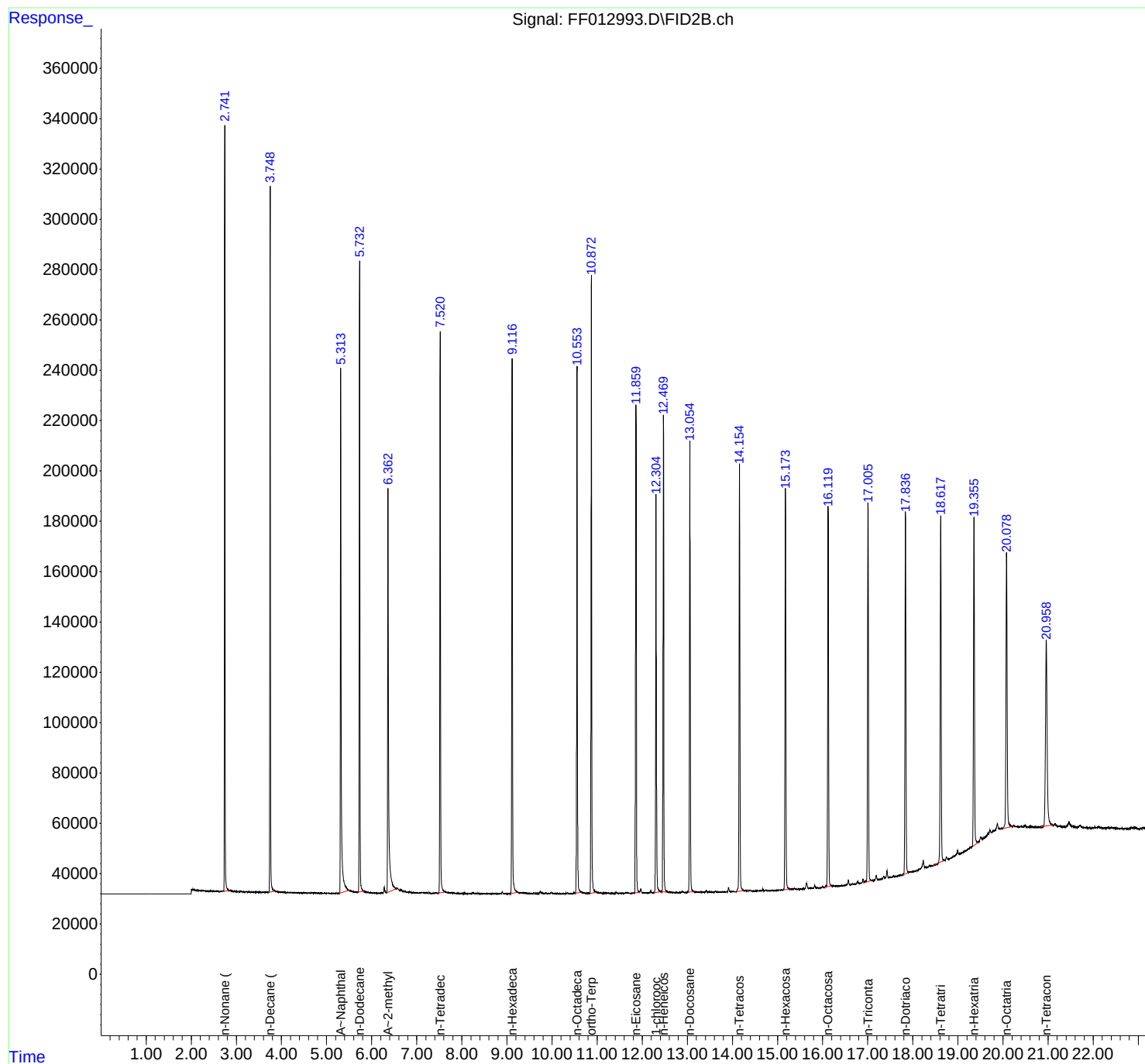
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20 PPM ALIPHATIC HC STD

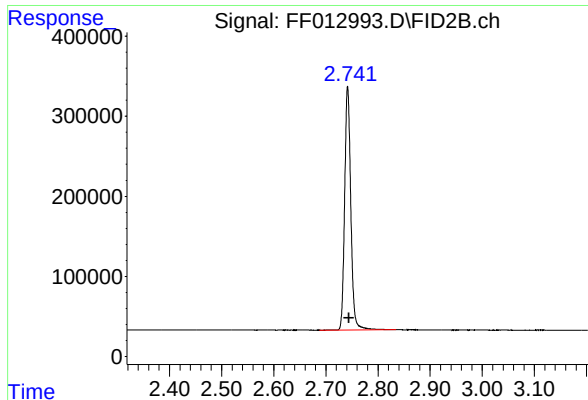
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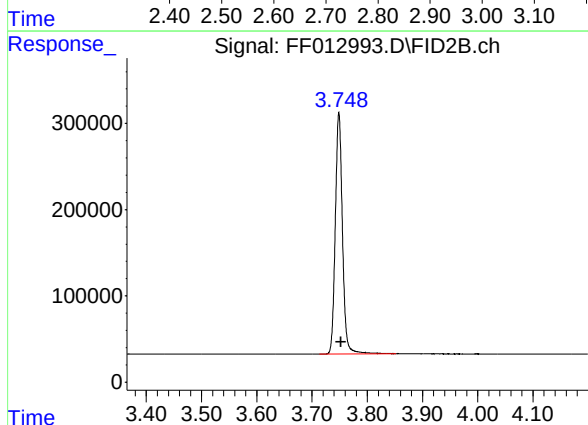
#1 n-Nonane (C9)

R.T.: 2.742 min
Delta R.T.: -0.002 min
Response: 2497268
Conc: 21.16 ug/ml

Instrument : FID_F
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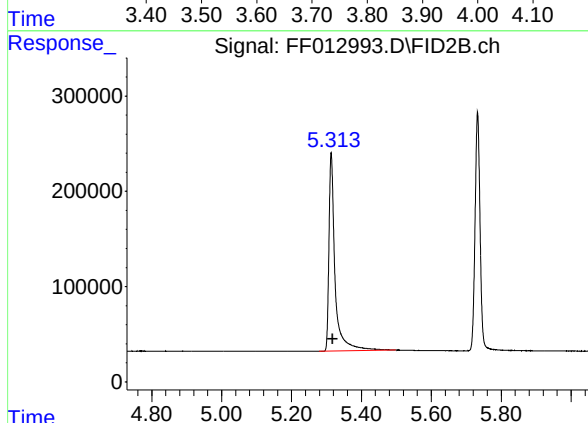
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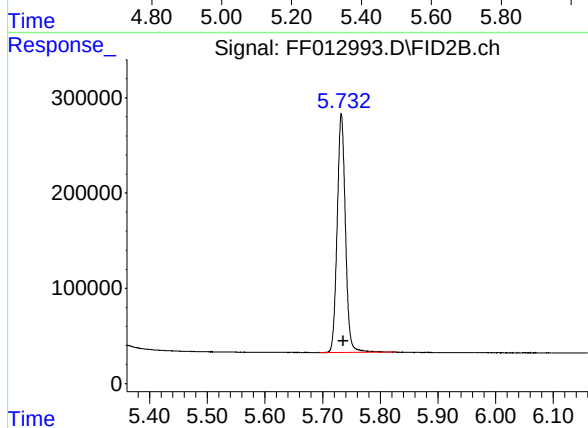
#2 n-Decane (C10)

R.T.: 3.749 min
Delta R.T.: -0.003 min
Response: 2520720
Conc: 21.16 ug/ml



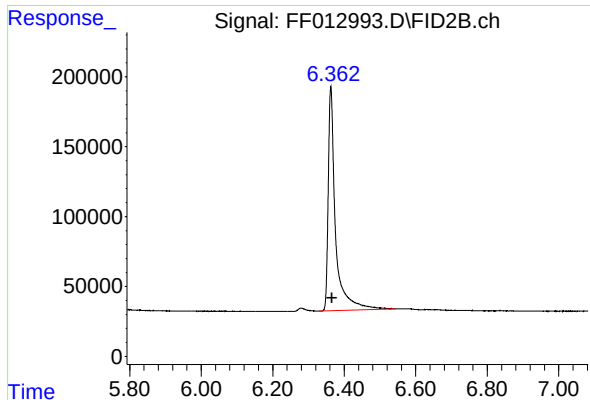
#3 A~Naphthalene (C11.7)

R.T.: 5.314 min
Delta R.T.: -0.003 min
Response: 2540838
Conc: 20.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.733 min
Delta R.T.: -0.004 min
Response: 2497688
Conc: 20.70 ug/ml



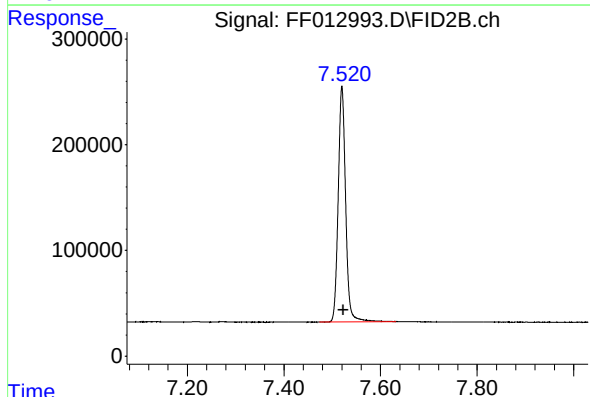
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.363 min
Delta R.T.: -0.003 min
Response: 2284927
Conc: 20.51 ug/ml

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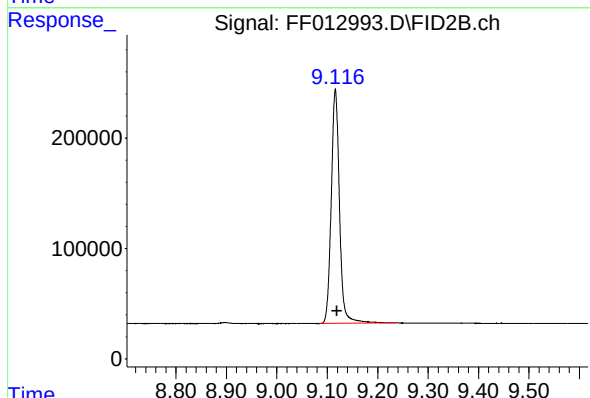
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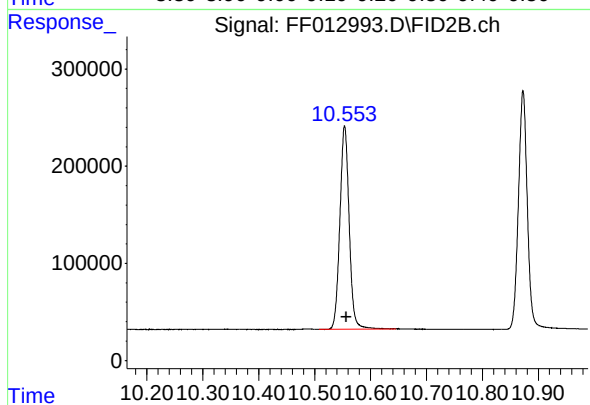
#6 n-Tetradecane (C14)

R.T.: 7.520 min
Delta R.T.: -0.003 min
Response: 2396706
Conc: 20.45 ug/ml



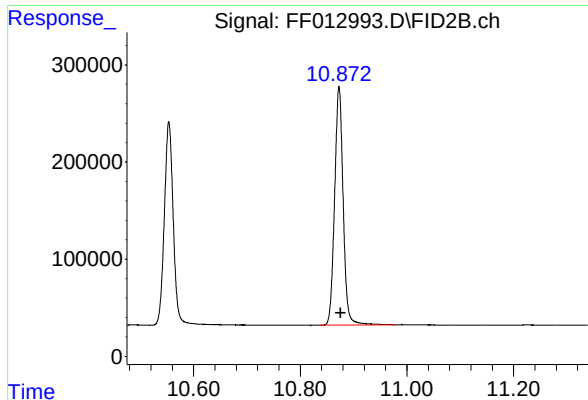
#7 n-Hexadecane (C16)

R.T.: 9.116 min
Delta R.T.: -0.003 min
Response: 2417168
Conc: 19.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.554 min
Delta R.T.: -0.003 min
Response: 2417354
Conc: 19.01 ug/ml



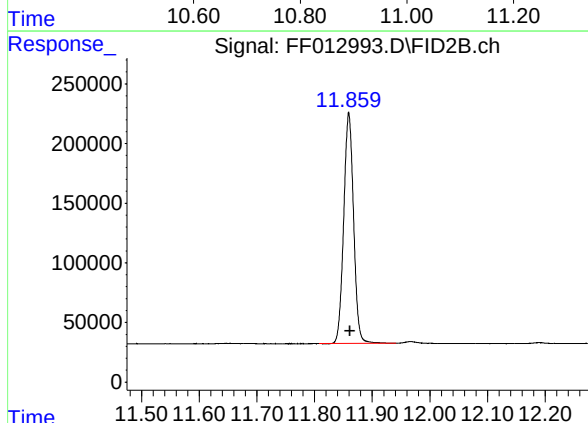
#9 ortho-Terphenyl (SURR)

R.T.: 10.873 min
Delta R.T.: -0.003 min
Response: 2732040
Conc: 18.52 ug/ml

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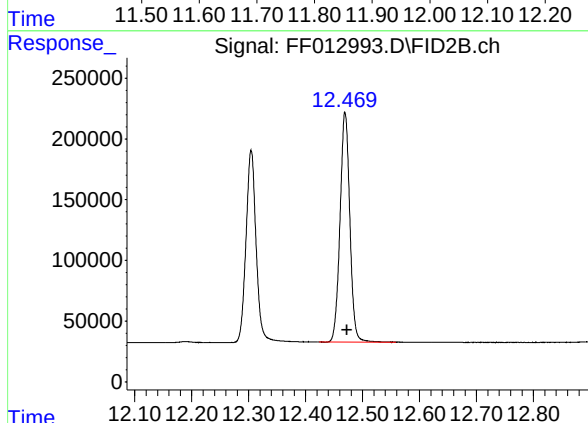
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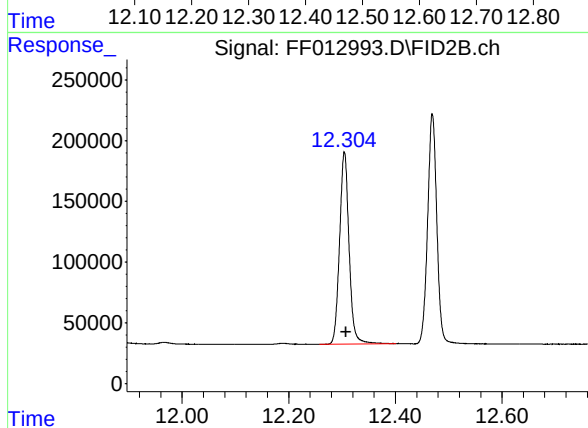
#10 n-Eicosane (C20)

R.T.: 11.860 min
Delta R.T.: -0.002 min
Response: 2301963
Conc: 18.45 ug/ml



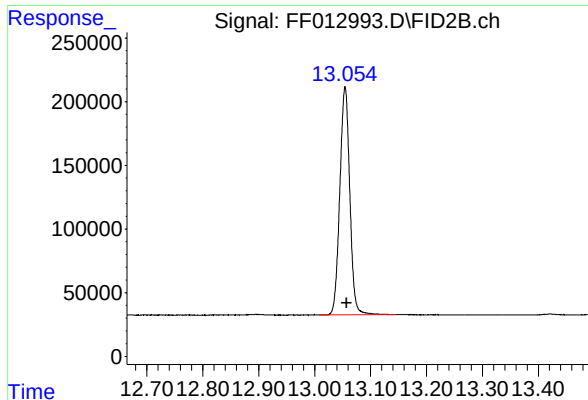
#11 n-Heneicosane (C21)

R.T.: 12.469 min
Delta R.T.: -0.003 min
Response: 2260553
Conc: 18.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.305 min
Delta R.T.: -0.003 min
Response: 1953546
Conc: 18.44 ug/ml



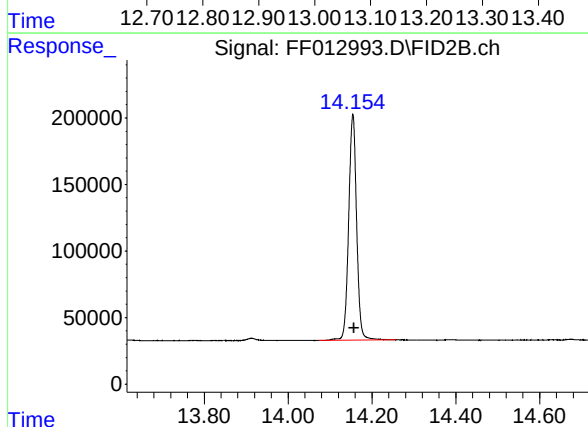
#13 n-Docosane (C22)

R.T.: 13.055 min
Delta R.T.: -0.002 min
Response: 2214830
Conc: 18.08 ug/ml

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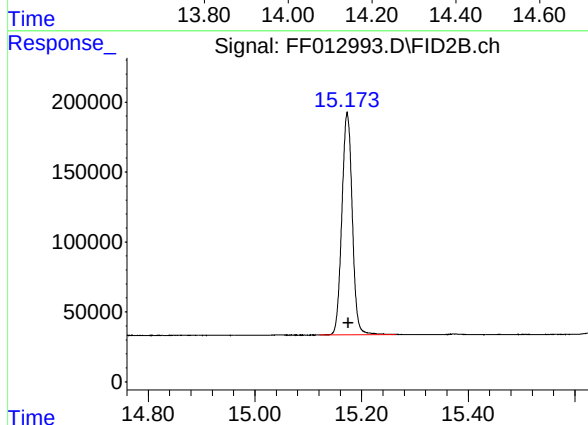
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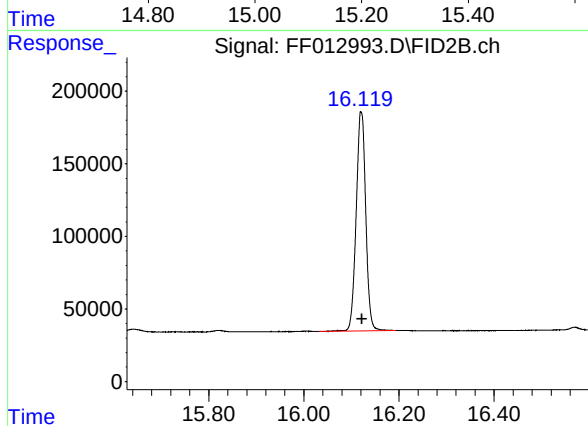
#14 n-Tetracosane (C24)

R.T.: 14.155 min
Delta R.T.: -0.002 min
Response: 2237219
Conc: 18.23 ug/ml



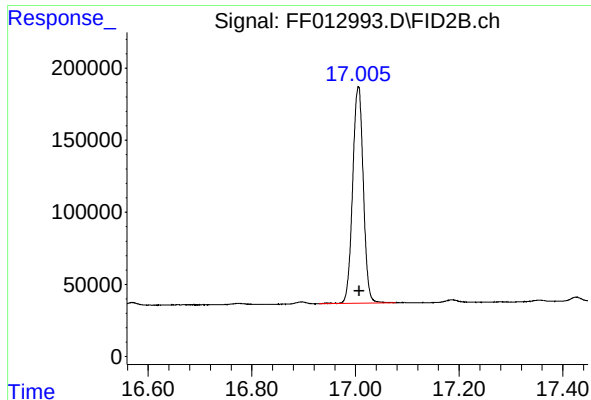
#15 n-Hexacosane (C26)

R.T.: 15.173 min
Delta R.T.: -0.002 min
Response: 2146260
Conc: 17.84 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.120 min
Delta R.T.: -0.002 min
Response: 2102408
Conc: 17.88 ug/ml



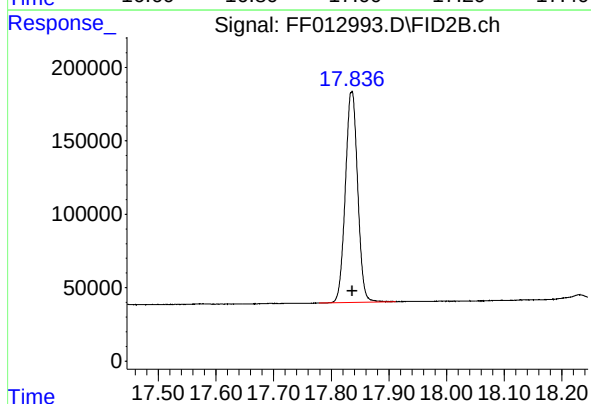
#17 n-Tricontane (C30)

R.T.: 17.006 min
Delta R.T.: -0.002 min
Response: 2150182
Conc: 18.05 ug/ml

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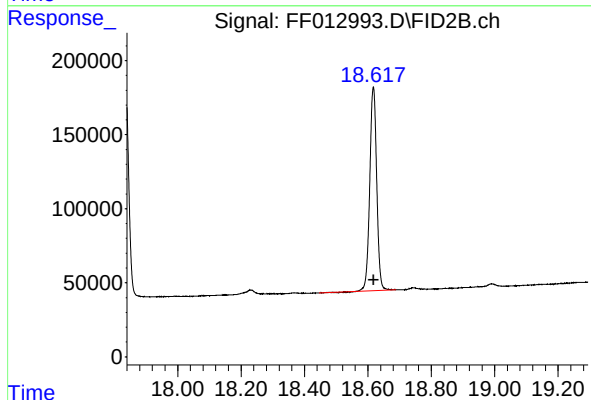
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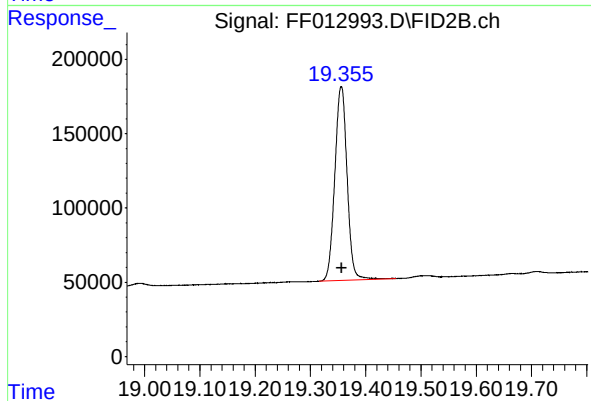
#18 n-Dotriacontane (C32)

R.T.: 17.836 min
Delta R.T.: -0.001 min
Response: 2131734
Conc: 18.23 ug/ml



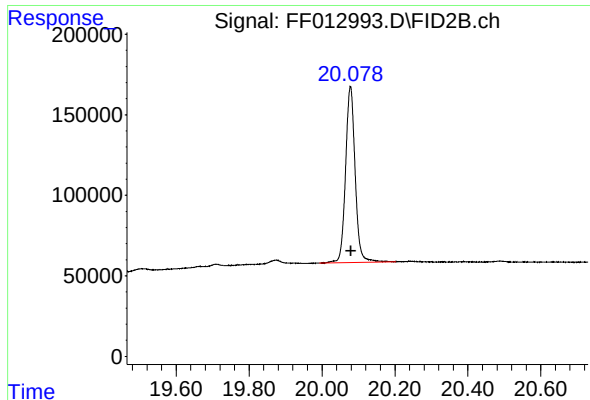
#19 n-Tetratriacontane (C34)

R.T.: 18.617 min
Delta R.T.: -0.002 min
Response: 2096108
Conc: 18.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.355 min
Delta R.T.: -0.002 min
Response: 2014210
Conc: 19.00 ug/ml m



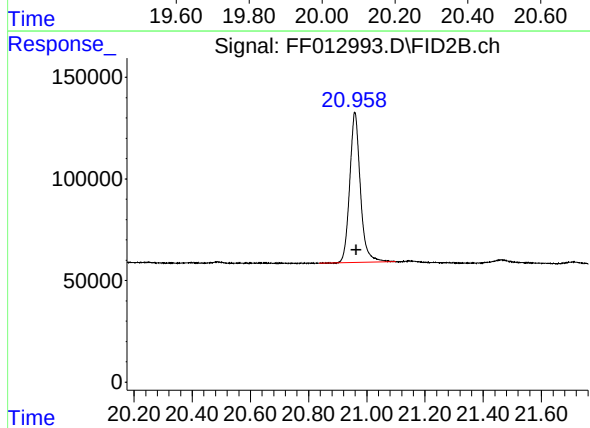
#21 n-Octatriacontane (C38)

R.T.: 20.078 min
Delta R.T.: -0.002 min
Response: 1997794
Conc: 19.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.959 min
Delta R.T.: -0.005 min
Response: 1874397
Conc: 19.35 ug/ml