

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101123AL\
 Data File : FD046729.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2023 00:15
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :Ankita Jodhani 10/11/2023

Integration File: autoint1.e
 Quant Time: Oct 11 04:18:01 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 11 04:12:57 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)	11.378	2252707	10.931 ug/ml
Spiked Amount 50.000		Recovery =	21.86%
12) S 1-chlorooctadecane (S...	12.813	1673721	10.835 ug/ml
Spiked Amount 50.000		Recovery =	21.67%
Target Compounds			
1) T n-Nonane (C9)	3.214	1723865	10.975 ug/ml
2) T n-Decane (C10)	4.267	1744960	10.974 ug/ml
3) T A~Naphthalene (C11.7)	5.826	1923477	10.891 ug/ml
4) T n-Dodecane (C12)	6.267	1765739	10.967 ug/ml
5) T A~2-methylnaphthalene...	6.874	1892211	10.854 ug/ml
6) T n-Tetradecane (C14)	8.051	1756990	10.947 ug/ml
7) T n-Hexadecane (C16)	9.643	1801845	10.891 ug/ml
8) T n-Octadecane (C18)	11.075	1860757	10.924 ug/ml
10) T n-Eicosane (C20)	12.375	1848244	10.904 ug/ml
11) T n-Heneicosane (C21)	12.982	1850391	10.923 ug/ml
13) T n-Docosane (C22)	13.565	1847058	10.907 ug/ml
14) T n-Tetracosane (C24)	14.659	1858371	10.965 ug/ml
15) T n-Hexacosane (C26)	15.673	1791468	10.914 ug/ml
16) T n-Octacosane (C28)	16.615	1722673	10.924 ug/ml
17) T n-Tricontane (C30)	17.495	1688949	10.969 ug/ml
18) T n-Dotriacontane (C32)	18.321	1632183	11.066 ug/ml
19) T n-Tetratriacontane (C34)	19.098	1523196	10.981 ug/ml
20) T n-Hexatriacontane (C36)	19.831	1464029	10.997 ug/ml
21) T n-Octatriacontane (C38)	20.529	1397356	10.947 ug/ml
22) T n-Tetracontane (C40)	21.343	1335654	10.848 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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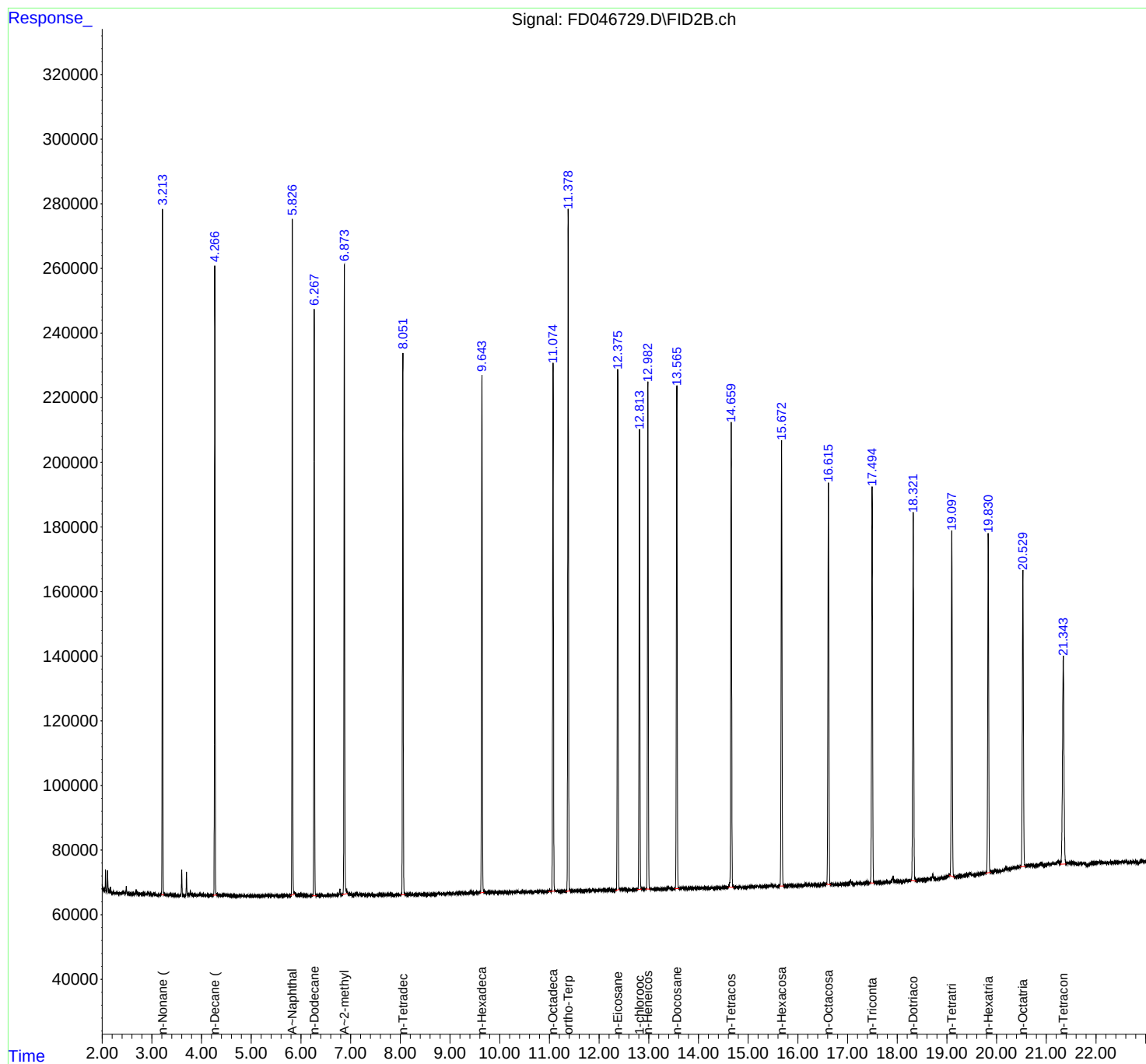
Instrument :
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10 PPM ALIPHATIC HC STD4

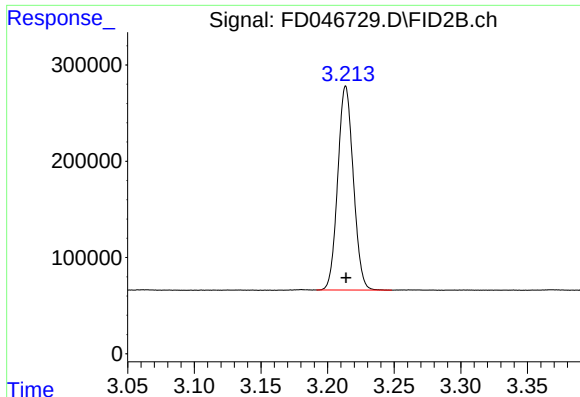
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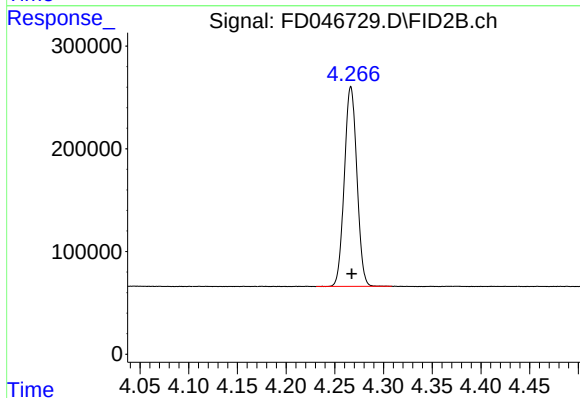
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: 0.000 min
Response: 1723865
Conc: 10.97 ug/ml

Instrument :
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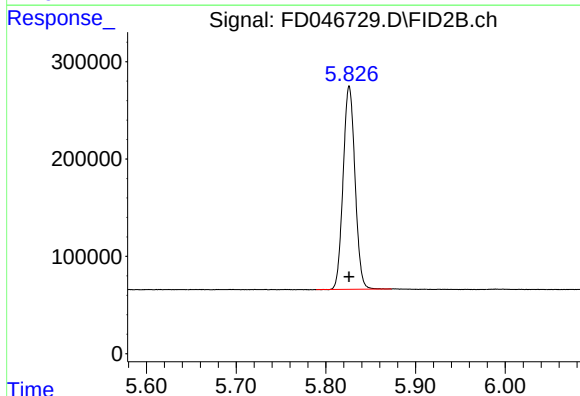
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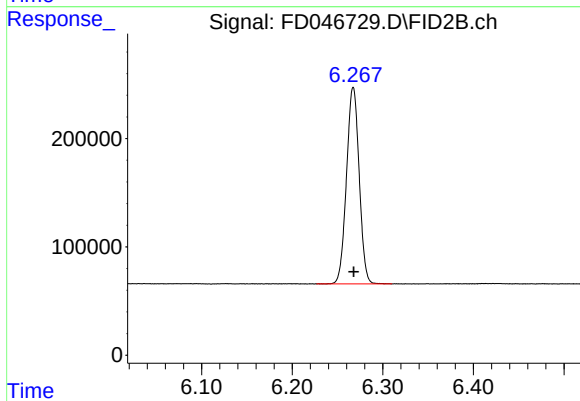
#2 n-Decane (C10)

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 1744960
Conc: 10.97 ug/ml



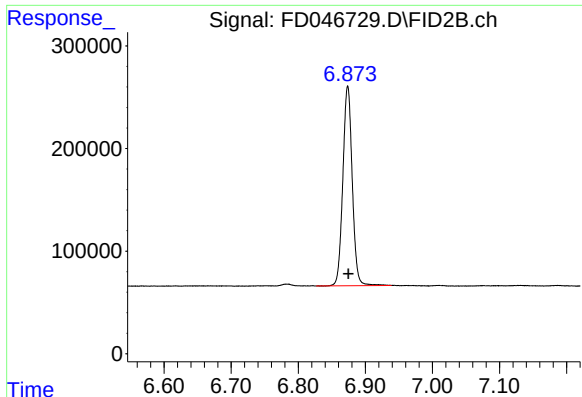
#3 A~Naphthalene (C11.7)

R.T.: 5.826 min
Delta R.T.: 0.000 min
Response: 1923477
Conc: 10.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.267 min
Delta R.T.: 0.000 min
Response: 1765739
Conc: 10.97 ug/ml



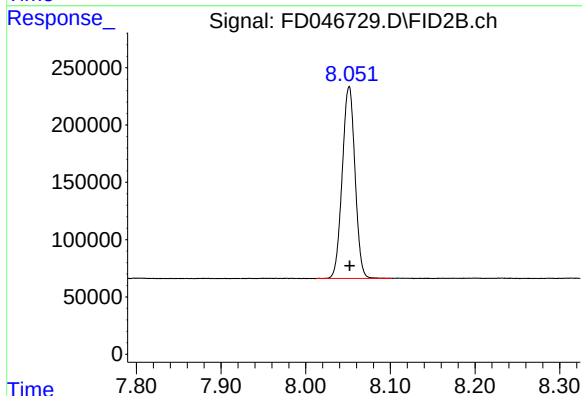
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 1892211
Conc: 10.85 ug/ml

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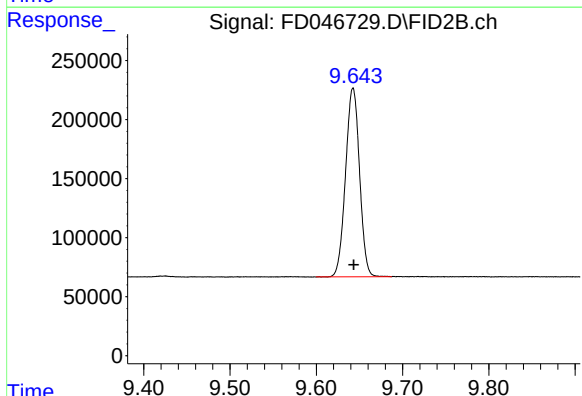
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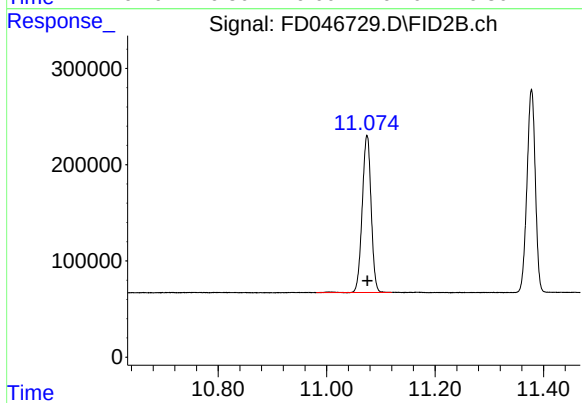
#6 n-Tetradecane (C14)

R.T.: 8.051 min
Delta R.T.: 0.000 min
Response: 1756990
Conc: 10.95 ug/ml



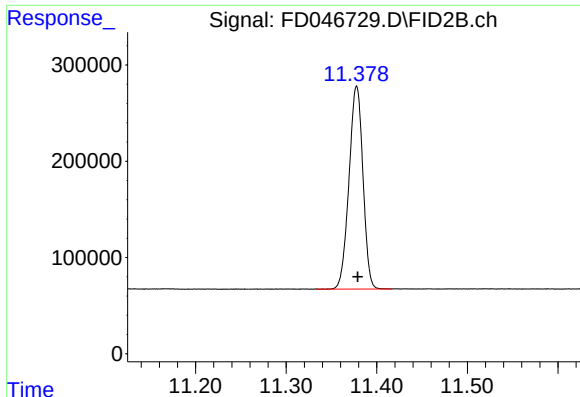
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 1801845
Conc: 10.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.075 min
Delta R.T.: 0.000 min
Response: 1860757
Conc: 10.92 ug/ml



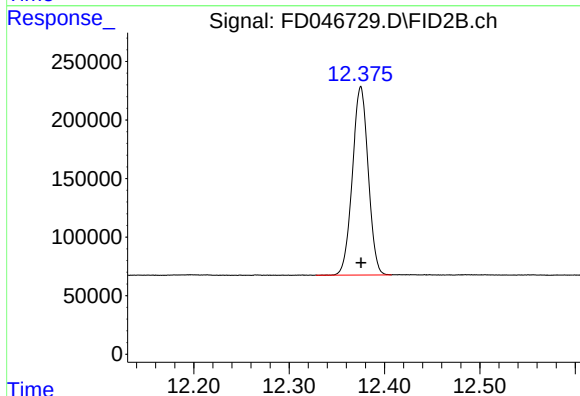
#9 ortho-Terphenyl (SURR)

R.T.: 11.378 min
Delta R.T.: -0.001 min
Response: 2252707
Conc: 10.93 ug/ml

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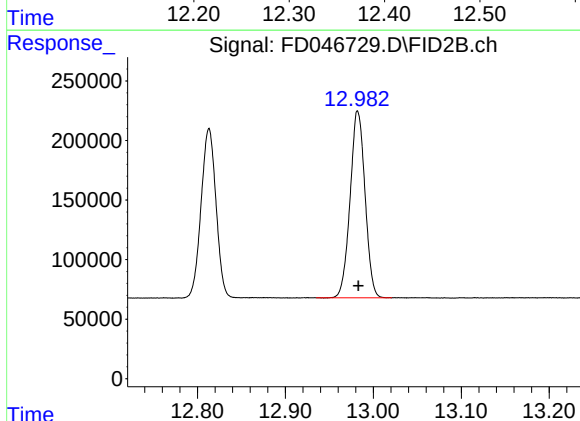
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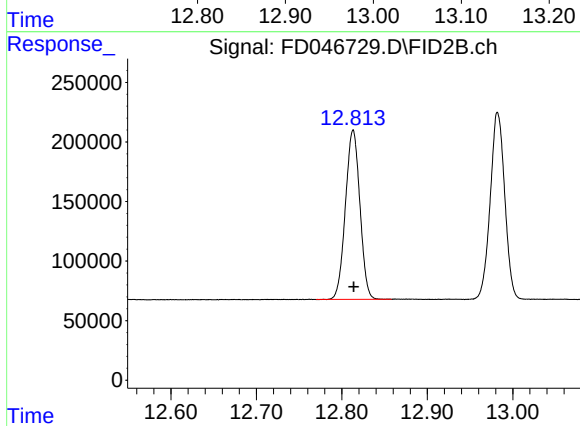
#10 n-Eicosane (C20)

R.T.: 12.375 min
Delta R.T.: 0.000 min
Response: 1848244
Conc: 10.90 ug/ml



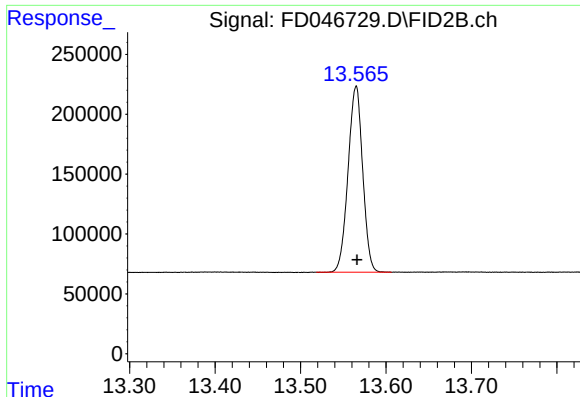
#11 n-Heneicosane (C21)

R.T.: 12.982 min
Delta R.T.: -0.001 min
Response: 1850391
Conc: 10.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.813 min
Delta R.T.: 0.000 min
Response: 1673721
Conc: 10.84 ug/ml



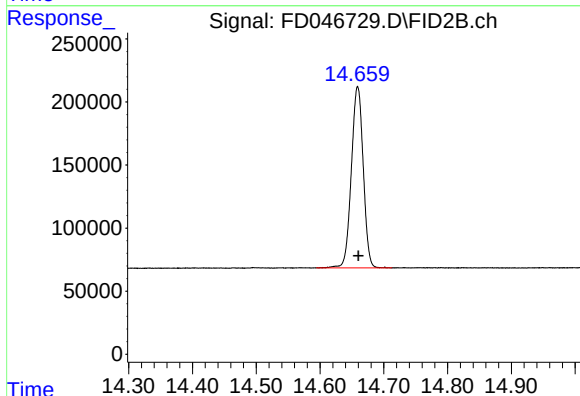
#13 n-Docosane (C22)

R.T.: 13.565 min
Delta R.T.: -0.001 min
Response: 1847058
Conc: 10.91 ug/ml

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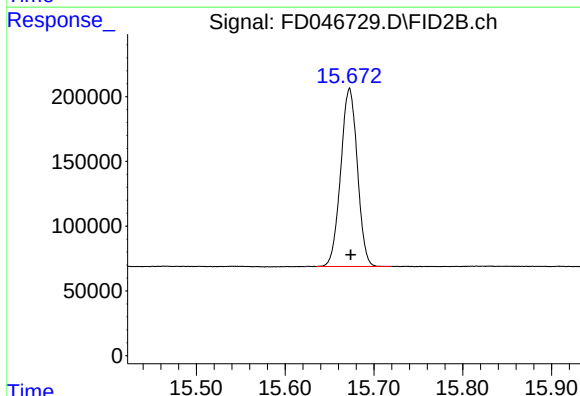
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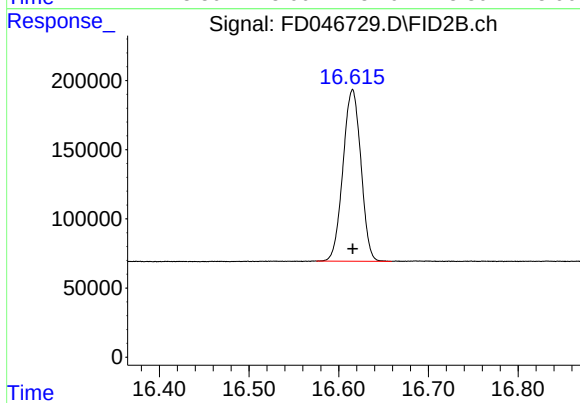
#14 n-Tetracosane (C24)

R.T.: 14.659 min
Delta R.T.: -0.001 min
Response: 1858371
Conc: 10.97 ug/ml



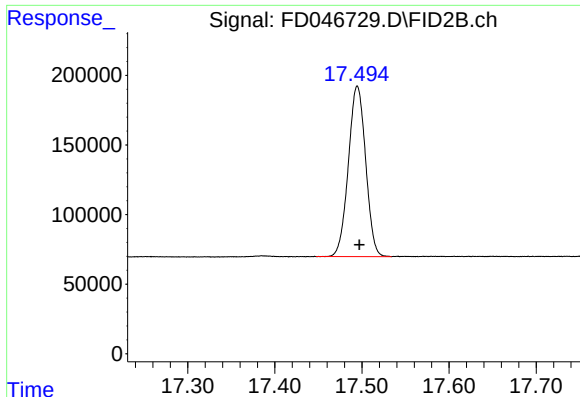
#15 n-Hexacosane (C26)

R.T.: 15.673 min
Delta R.T.: -0.002 min
Response: 1791468
Conc: 10.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.615 min
Delta R.T.: 0.000 min
Response: 1722673
Conc: 10.92 ug/ml



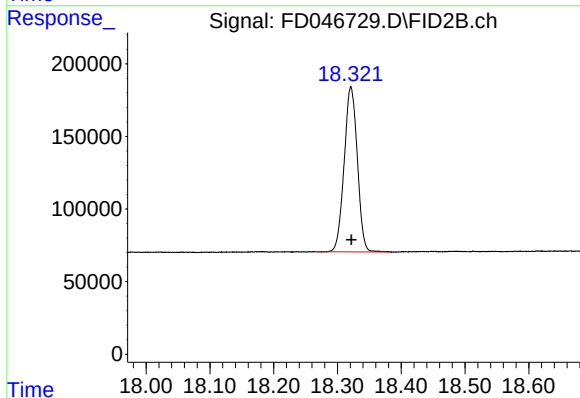
#17 n-Tricontane (C30)

R.T.: 17.495 min
Delta R.T.: -0.002 min
Response: 1688949
Conc: 10.97 ug/ml

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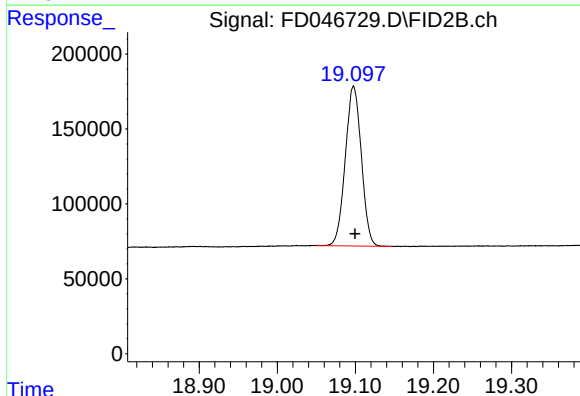
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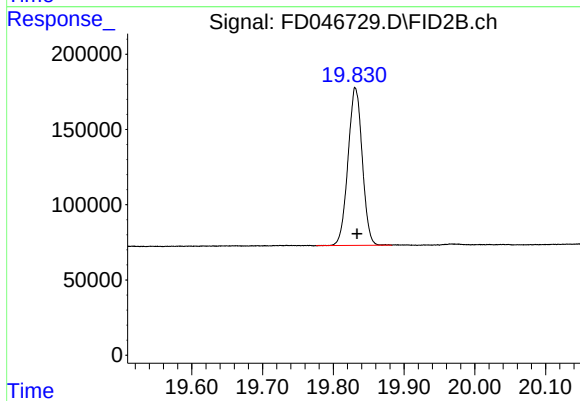
#18 n-Dotriacontane (C32)

R.T.: 18.321 min
Delta R.T.: 0.000 min
Response: 1632183
Conc: 11.07 ug/ml



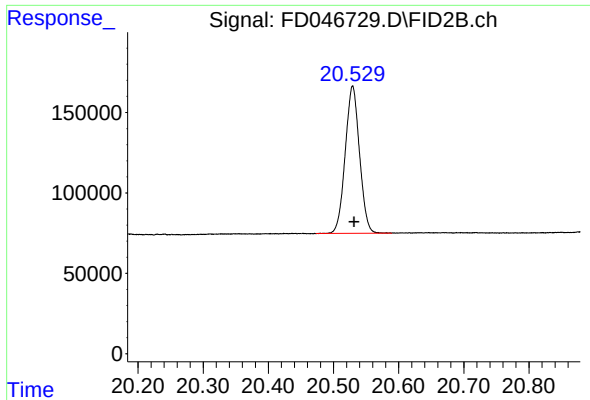
#19 n-Tetratriacontane (C34)

R.T.: 19.098 min
Delta R.T.: -0.002 min
Response: 1523196
Conc: 10.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.831 min
Delta R.T.: -0.002 min
Response: 1464029
Conc: 11.00 ug/ml



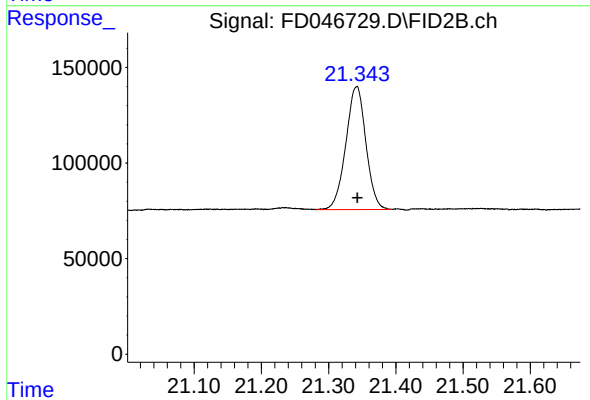
#21 n-Octatriacontane (C38)

R.T.: 20.529 min
Delta R.T.: -0.002 min
Response: 1397356
Conc: 10.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.343 min
Delta R.T.: 0.000 min
Response: 1335654
Conc: 10.85 ug/ml m