

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AL\
 Data File : FF014945.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 08:47
 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 11/07/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: sample.E
 Quant Time: Nov 07 08:58:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 05:46:44 2024
 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)	11.935	2988307	19.598 ug/ml
Spiked Amount 50.000		Recovery =	39.20%
12) S 1-chlorooctadecane (S...	13.372	2285785	19.026 ug/ml
Spiked Amount 50.000		Recovery =	38.05%
Target Compounds			
1) T n-Nonane (C9)	3.328	2654865	21.101 ug/ml
2) T n-Decane (C10)	4.577	2734481	21.388 ug/ml
3) T A~Naphthalene (C11.7)	6.280	2983718	21.238 ug/ml
4) T n-Dodecane (C12)	6.739	2788593	21.627 ug/ml
5) T A~2-methylnaphthalene...	7.374	2894939	21.186 ug/ml
6) T n-Tetradecane (C14)	8.565	2787802	21.639 ug/ml
7) T n-Hexadecane (C16)	10.172	2865693	21.244 ug/ml
8) T n-Octadecane (C18)	11.616	2856396	20.531 ug/ml
10) T n-Eicosane (C20)	12.926	2697108	19.673 ug/ml
11) T n-Heneicosane (C21)	13.538	2623093	19.203 ug/ml
13) T n-Docosane (C22)	14.125	2589872	18.855 ug/ml
14) T n-Tetracosane (C24)	15.228	2530325	18.112 ug/ml
15) T n-Hexacosane (C26)	16.250	2465892	17.672 ug/ml
16) T n-Octacosane (C28)	17.202	2465192	17.855 ug/ml
17) T n-Tricontane (C30)	18.090	2614916	18.562 ug/ml
18) T n-Dotriacontane (C32)	18.923	2596362	18.717 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2283269	19.447 ug/ml
20) T n-Hexatriacontane (C36)	20.448	2157631	21.416 ug/ml
21) T n-Octatriacontane (C38)	21.187	1917210	21.308 ug/ml
22) T n-Tetracontane (C40)	22.101	1915976	21.371 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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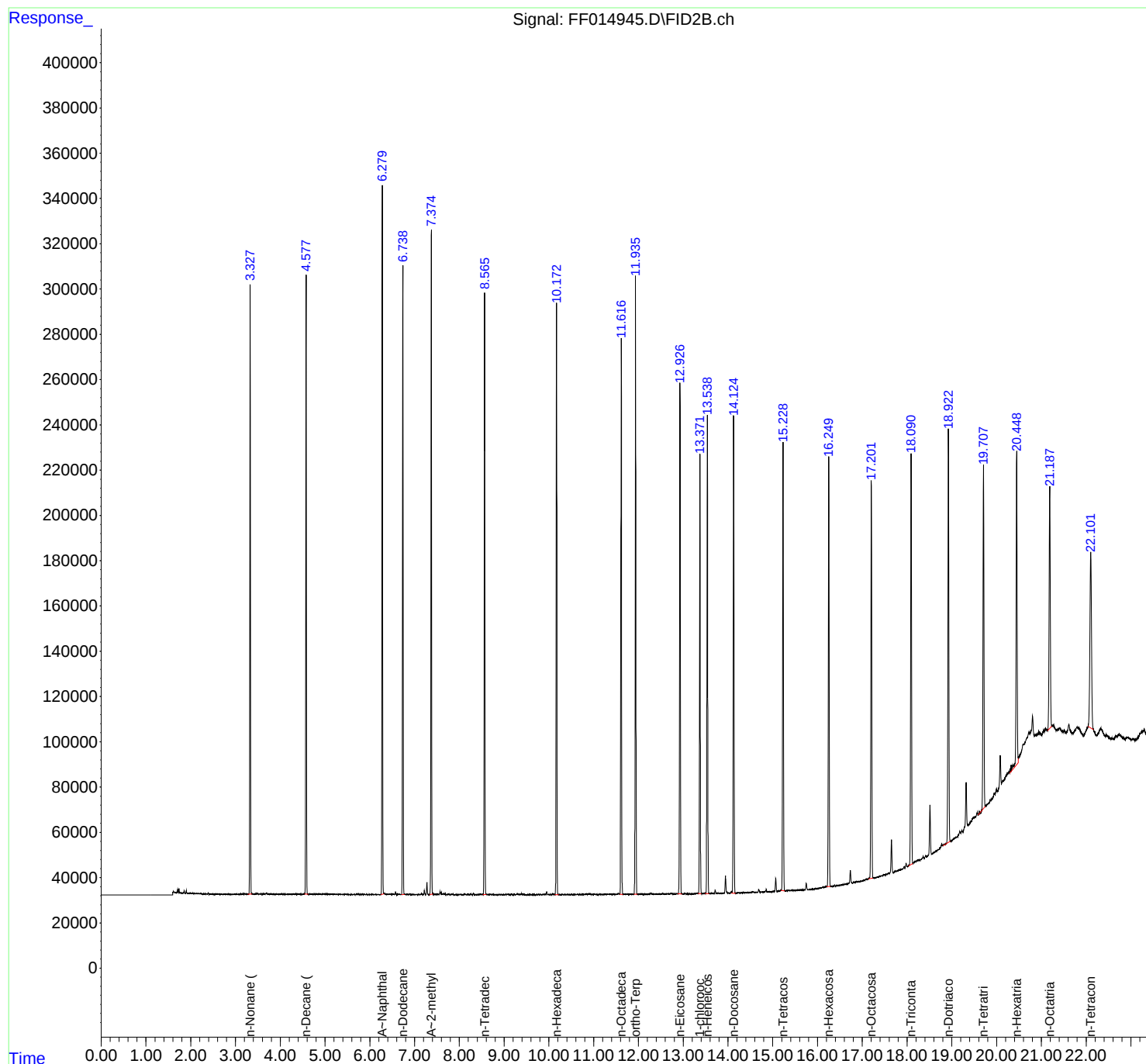
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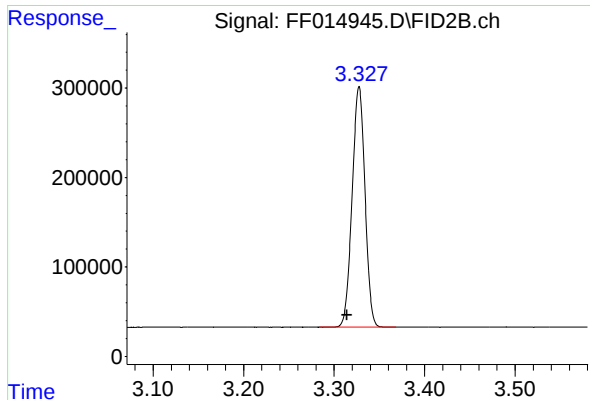
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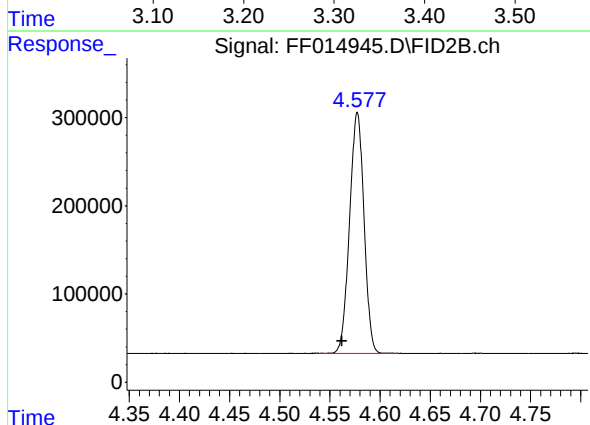
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: 0.014 min
Response: 2654865
Conc: 21.10 ug/ml

Instrument : FID_F
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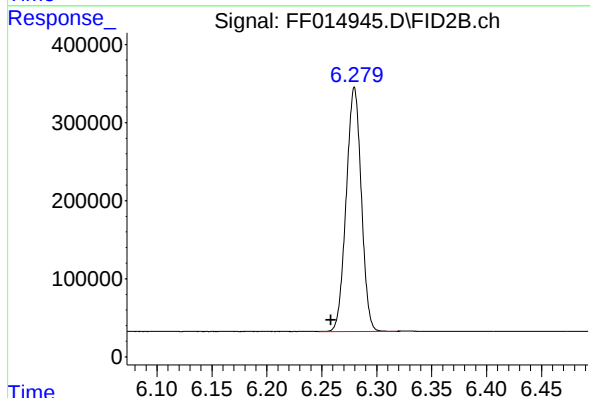
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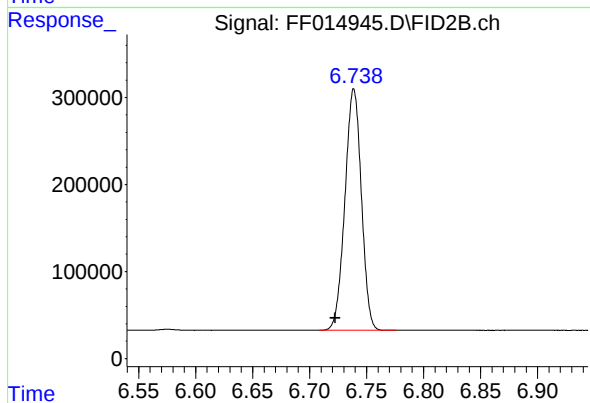
#2 n-Decane (C10)

R.T.: 4.577 min
Delta R.T.: 0.015 min
Response: 2734481
Conc: 21.39 ug/ml



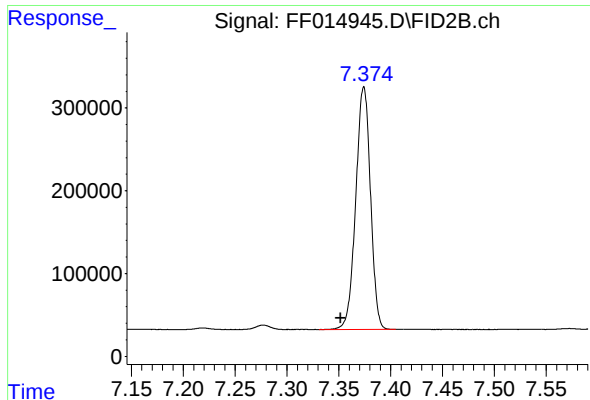
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: 0.021 min
Response: 2983718
Conc: 21.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: 0.016 min
Response: 2788593
Conc: 21.63 ug/ml



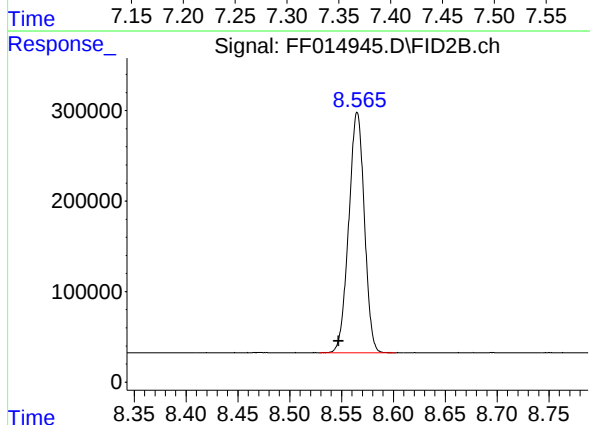
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.374 min
Delta R.T.: 0.022 min
Response: 2894939
Conc: 21.19 ug/ml

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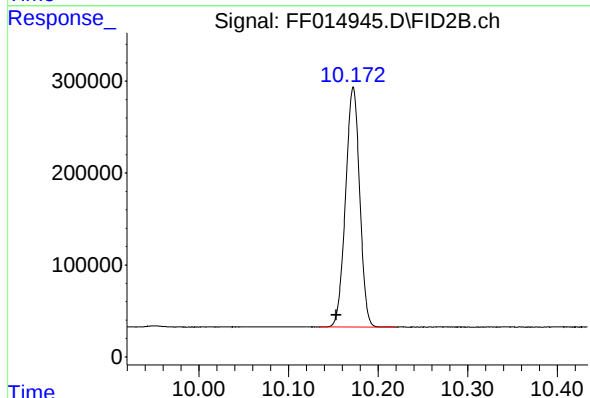
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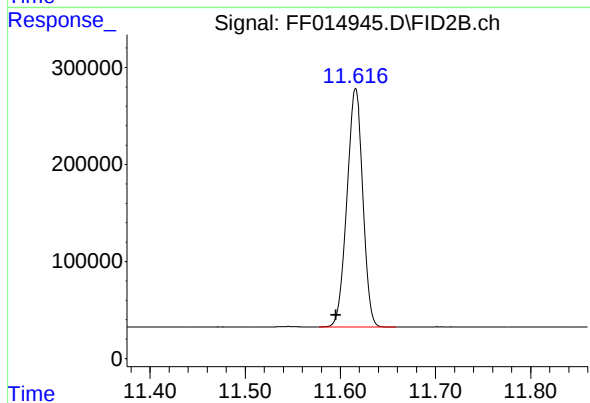
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: 0.018 min
Response: 2787802
Conc: 21.64 ug/ml



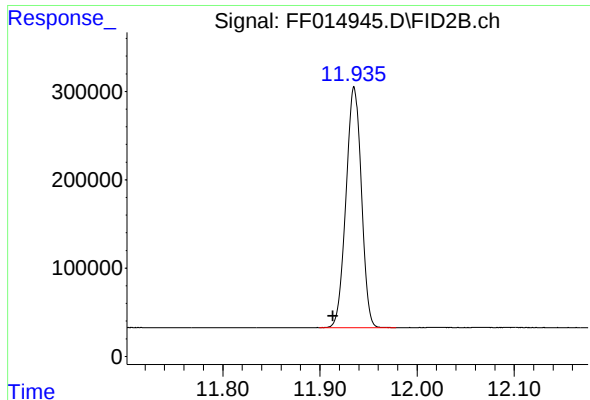
#7 n-Hexadecane (C16)

R.T.: 10.172 min
Delta R.T.: 0.019 min
Response: 2865693
Conc: 21.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.021 min
Response: 2856396
Conc: 20.53 ug/ml



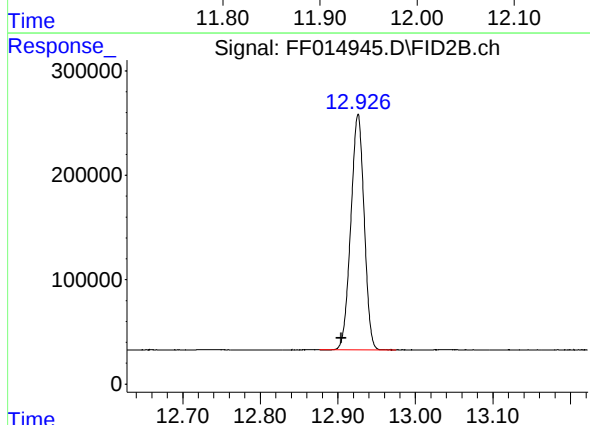
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.022 min
Response: 2988307
Conc: 19.60 ug/ml

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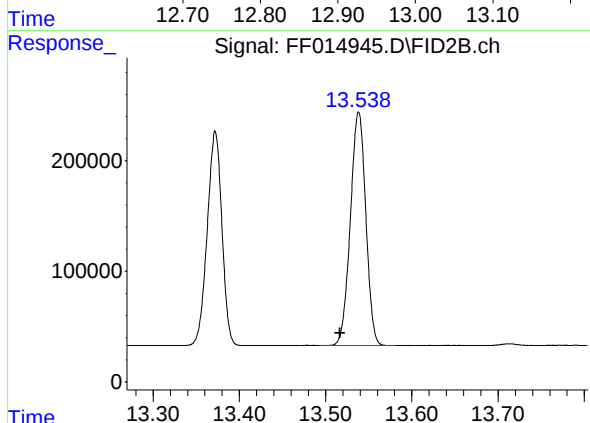
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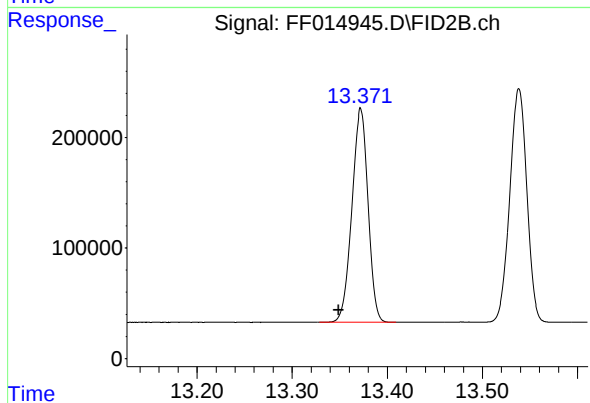
#10 n-Eicosane (C20)

R.T.: 12.926 min
Delta R.T.: 0.022 min
Response: 2697108
Conc: 19.67 ug/ml



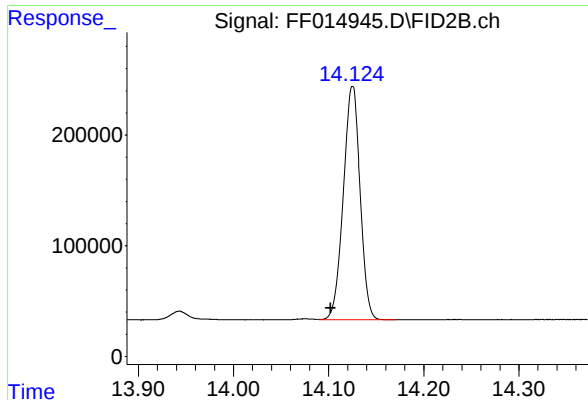
#11 n-Heneicosane (C21)

R.T.: 13.538 min
Delta R.T.: 0.022 min
Response: 2623093
Conc: 19.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.372 min
Delta R.T.: 0.023 min
Response: 2285785
Conc: 19.03 ug/ml



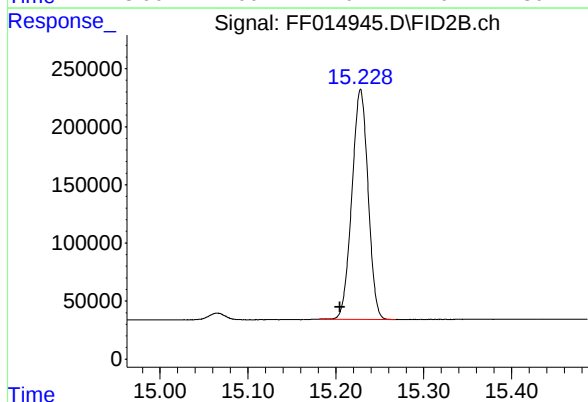
#13 n-Docosane (C22)

R.T.: 14.125 min
Delta R.T.: 0.023 min
Response: 2589872
Conc: 18.86 ug/ml

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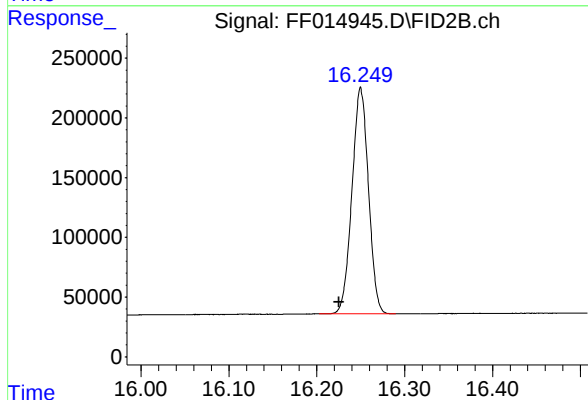
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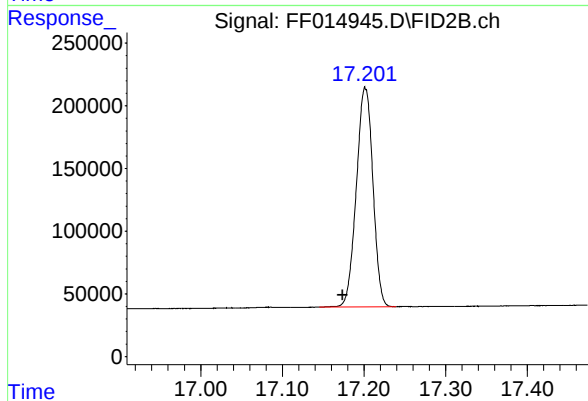
#14 n-Tetracosane (C24)

R.T.: 15.228 min
Delta R.T.: 0.023 min
Response: 2530325
Conc: 18.11 ug/ml



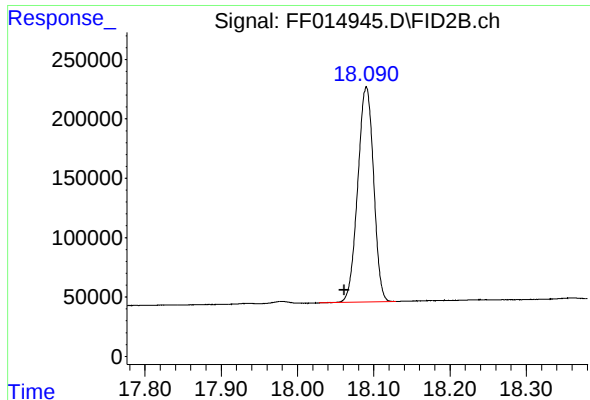
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.025 min
Response: 2465892
Conc: 17.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.202 min
Delta R.T.: 0.027 min
Response: 2465192
Conc: 17.86 ug/ml



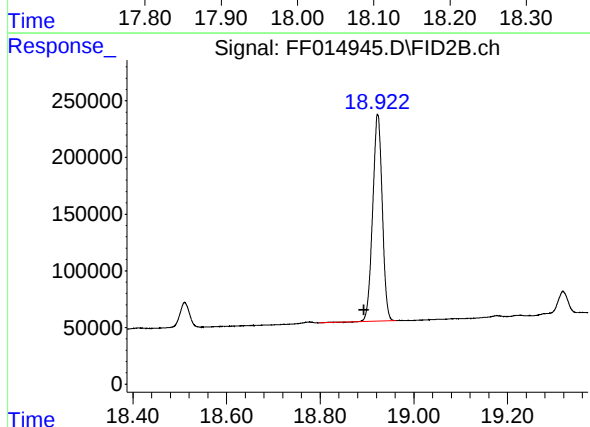
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: 0.029 min
Response: 2614916
Conc: 18.56 ug/ml

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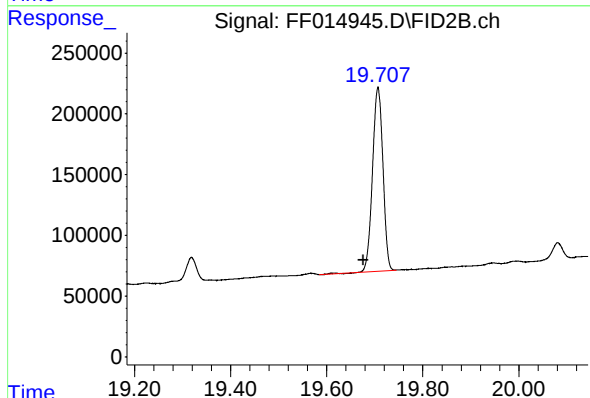
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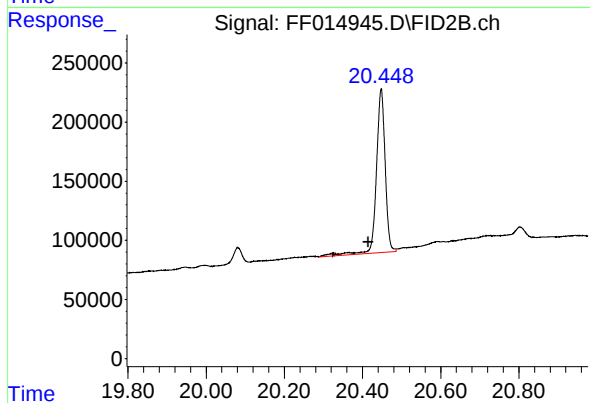
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: 0.030 min
Response: 2596362
Conc: 18.72 ug/ml



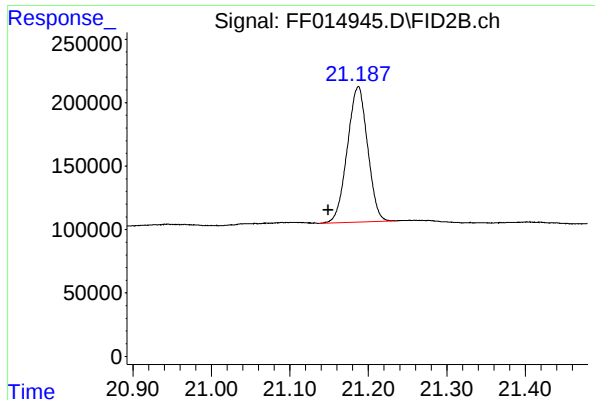
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.030 min
Response: 2283269
Conc: 19.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: 0.033 min
Response: 2157631
Conc: 21.42 ug/ml



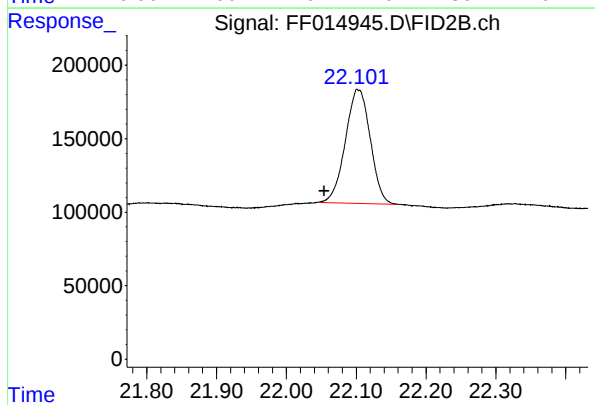
#21 n-Octatriacontane (C38)

R.T.: 21.187 min
Delta R.T.: 0.038 min
Response: 1917210
Conc: 21.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.101 min
Delta R.T.: 0.047 min
Response: 1915976
Conc: 21.37 ug/ml m