

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AL\
 Data File : FD048488.D
 Signal(s) : FID2B.ch
 Acq On : 14 Oct 2024 09:11
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 10:30:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:48:19 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)	11.264	3960628	19.961 ug/ml
Spiked Amount 50.000		Recovery =	39.92%
12) S 1-chlorooctadecane (S...	12.706	2945912	19.692 ug/ml
Spiked Amount 50.000		Recovery =	39.38%
Target Compounds			
1) T n-Nonane (C9)	3.125	3421051	20.369 ug/ml
2) T n-Decane (C10)	4.170	3540225	20.400 ug/ml
3) T A~Naphthalene (C11.7)	5.717	3859059	20.426 ug/ml
4) T n-Dodecane (C12)	6.164	3586539	20.485 ug/ml
5) T A~2-methylnaphthalene...	6.764	3714514	20.634 ug/ml
6) T n-Tetradecane (C14)	7.945	3540710	20.293 ug/ml
7) T n-Hexadecane (C16)	9.535	3611121	20.038 ug/ml
8) T n-Octadecane (C18)	10.968	3625280	19.970 ug/ml
10) T n-Eicosane (C20)	12.269	3467594	19.881 ug/ml
11) T n-Heneicosane (C21)	12.877	3396875	19.854 ug/ml
13) T n-Docosane (C22)	13.460	3372823	19.750 ug/ml
14) T n-Tetracosane (C24)	14.557	3328047	19.648 ug/ml
15) T n-Hexacosane (C26)	15.572	3192187	19.285 ug/ml
16) T n-Octacosane (C28)	16.516	3103165	18.848 ug/ml
17) T n-Tricontane (C30)	17.399	3106115	18.117 ug/ml
18) T n-Dotriacontane (C32)	18.227	2989133	17.865 ug/ml
19) T n-Tetratriacontane (C34)	19.007	2810097	19.477 ug/ml
20) T n-Hexatriacontane (C36)	19.741	2705692	22.535 ug/ml
21) T n-Octatriacontane (C38)	20.439	2313315	20.659 ug/ml
22) T n-Tetracontane (C40)	21.220	2245214	22.428 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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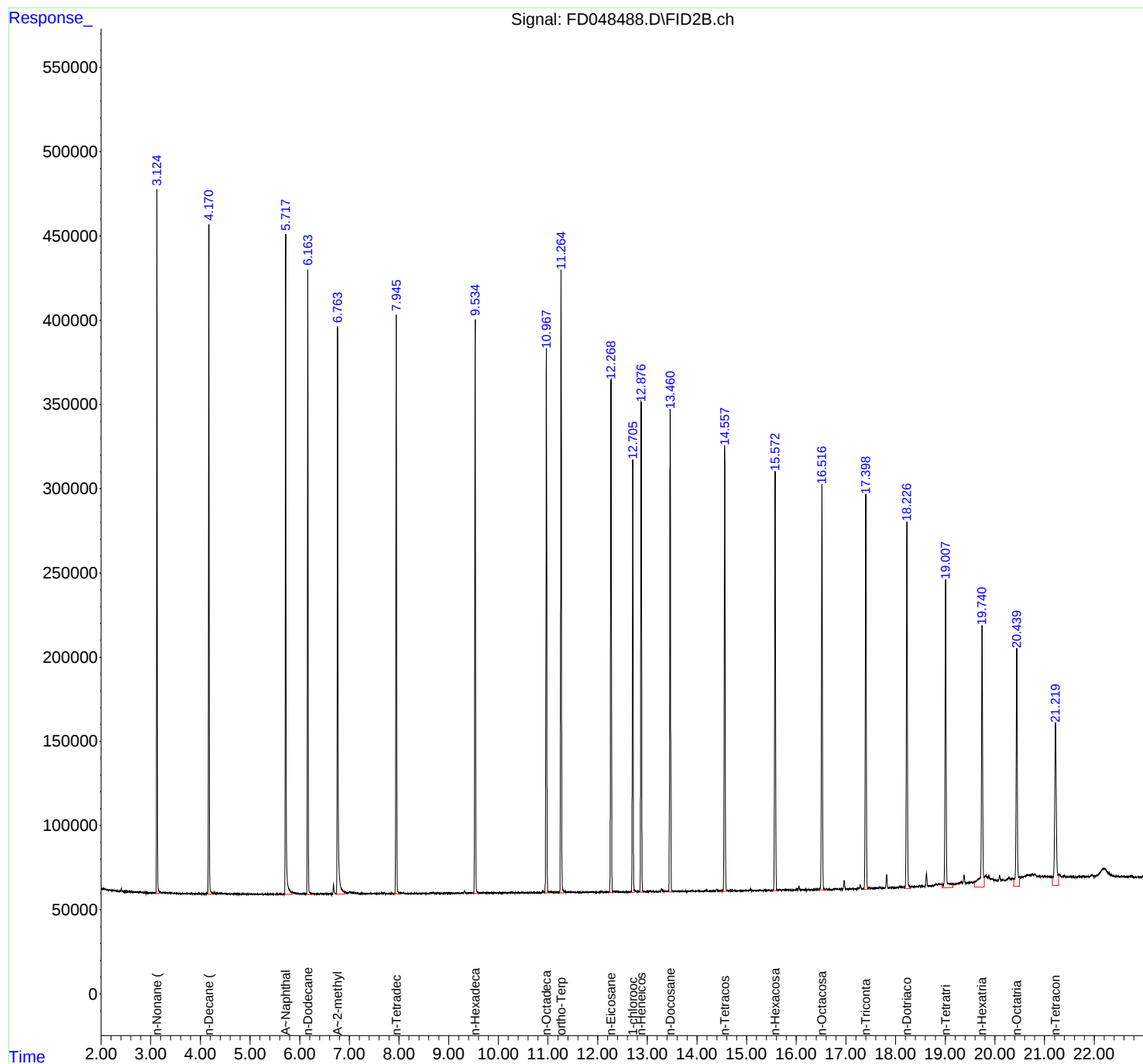
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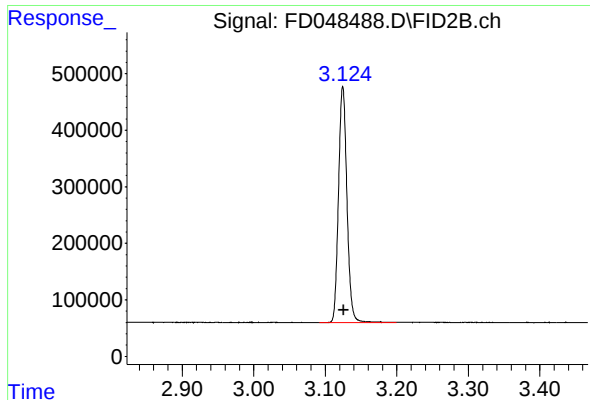
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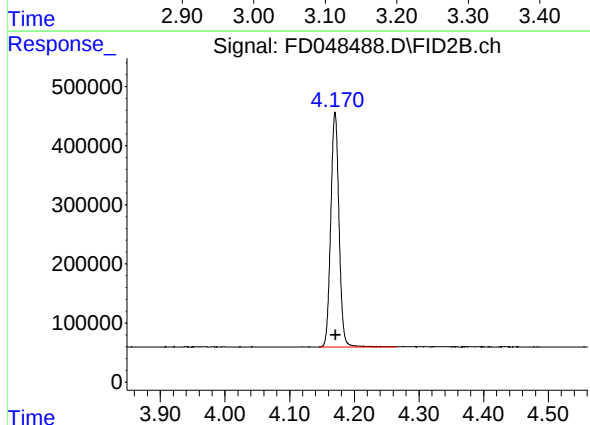
#1 n-Nonane (C9)

R.T.: 3.125 min
Delta R.T.: -0.001 min
Response: 3421051
Conc: 20.37 ug/ml

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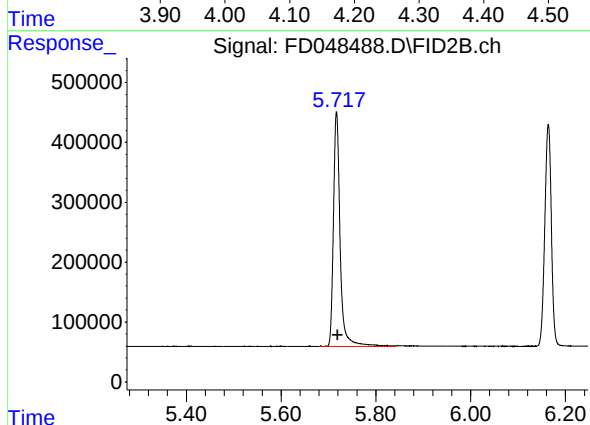
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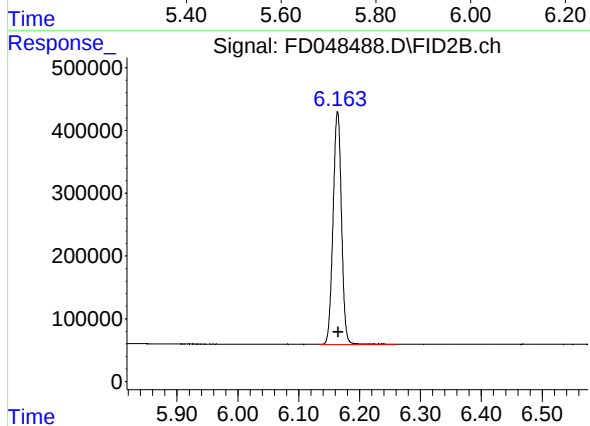
#2 n-Decane (C10)

R.T.: 4.170 min
Delta R.T.: -0.001 min
Response: 3540225
Conc: 20.40 ug/ml



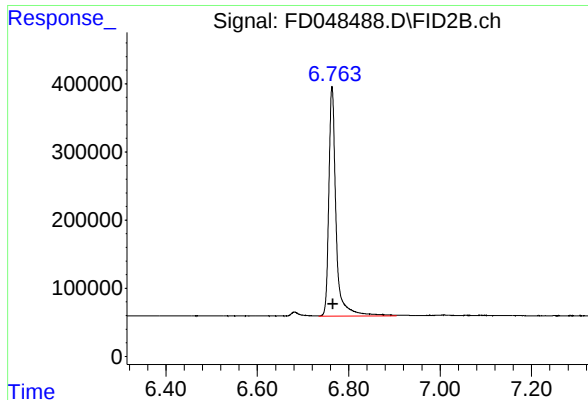
#3 A~Naphthalene (C11.7)

R.T.: 5.717 min
Delta R.T.: -0.002 min
Response: 3859059
Conc: 20.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.164 min
Delta R.T.: -0.001 min
Response: 3586539
Conc: 20.49 ug/ml



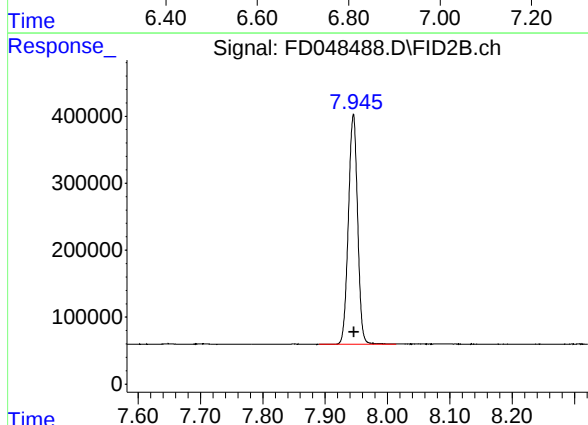
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.764 min
Delta R.T.: -0.002 min
Response: 3714514
Conc: 20.63 ug/ml

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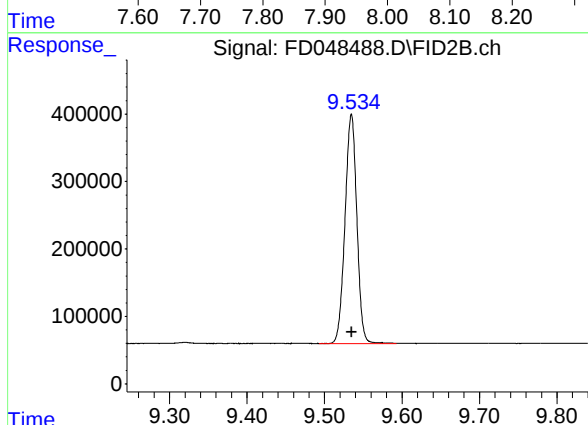
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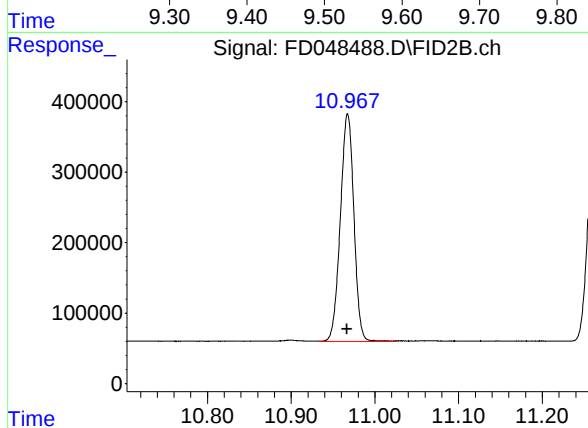
#6 n-Tetradecane (C14)

R.T.: 7.945 min
Delta R.T.: 0.000 min
Response: 3540710
Conc: 20.29 ug/ml



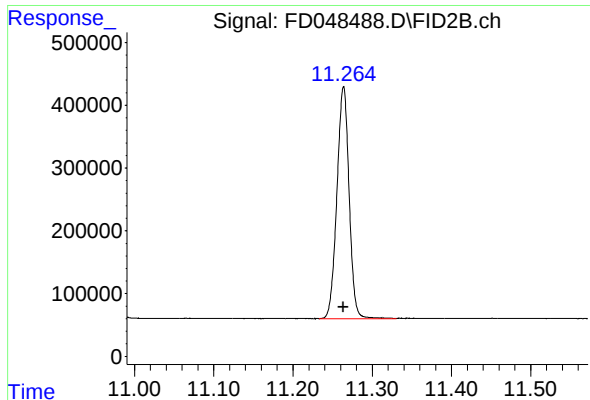
#7 n-Hexadecane (C16)

R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 3611121
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.968 min
Delta R.T.: 0.000 min
Response: 3625280
Conc: 19.97 ug/ml



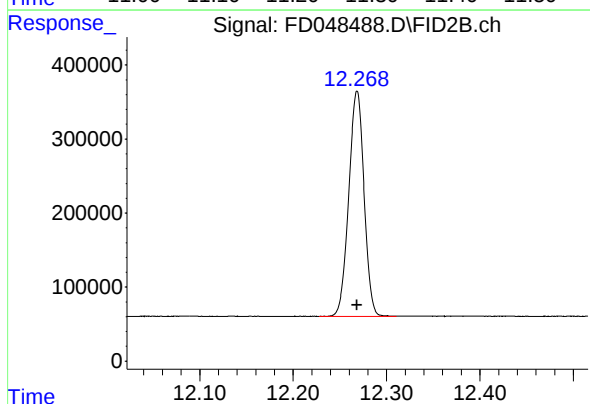
#9 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 3960628
Conc: 19.96 ug/ml

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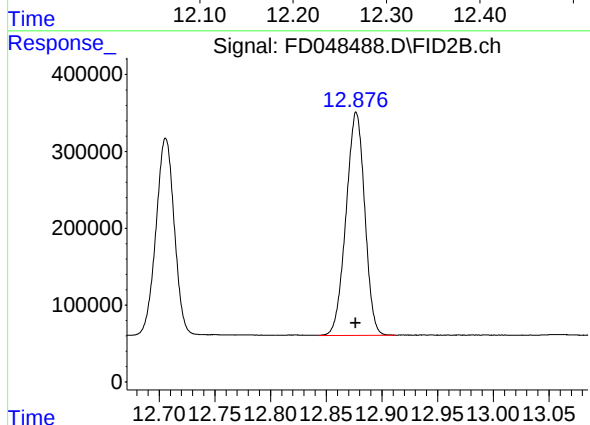
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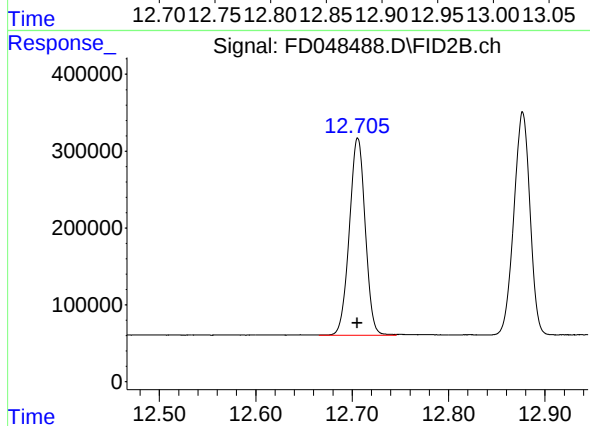
#10 n-Eicosane (C20)

R.T.: 12.269 min
Delta R.T.: 0.000 min
Response: 3467594
Conc: 19.88 ug/ml



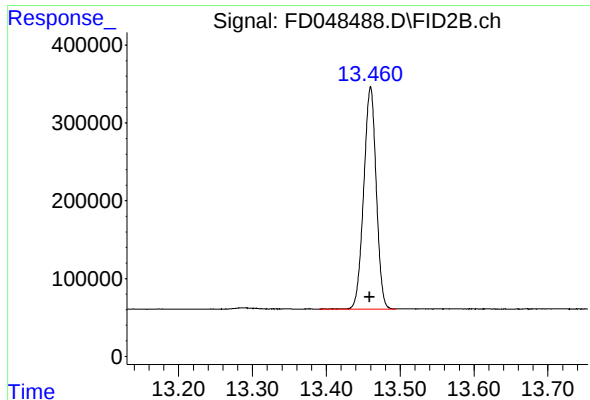
#11 n-Heneicosane (C21)

R.T.: 12.877 min
Delta R.T.: 0.000 min
Response: 3396875
Conc: 19.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.706 min
Delta R.T.: 0.000 min
Response: 2945912
Conc: 19.69 ug/ml



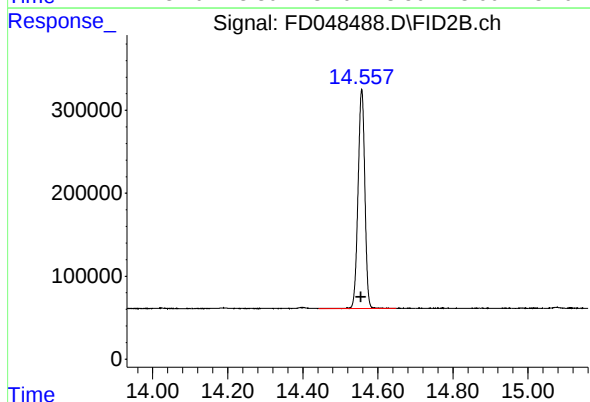
#13 n-Docosane (C22)

R.T.: 13.460 min
Delta R.T.: 0.001 min
Response: 3372823
Conc: 19.75 ug/ml

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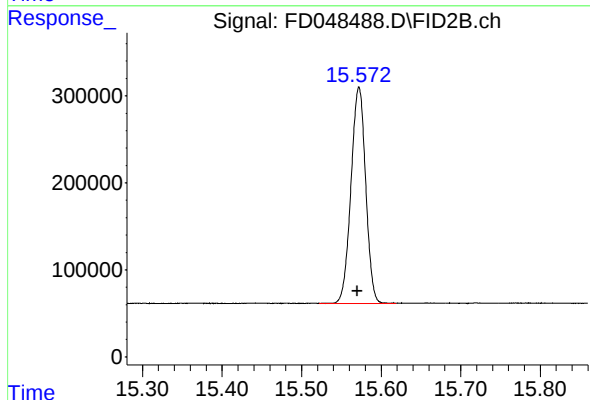
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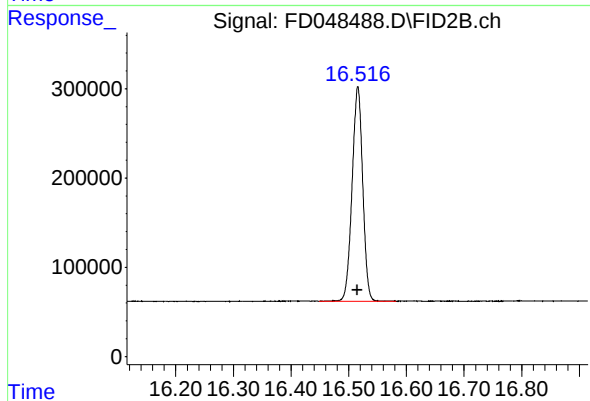
#14 n-Tetracosane (C24)

R.T.: 14.557 min
Delta R.T.: 0.002 min
Response: 3328047
Conc: 19.65 ug/ml



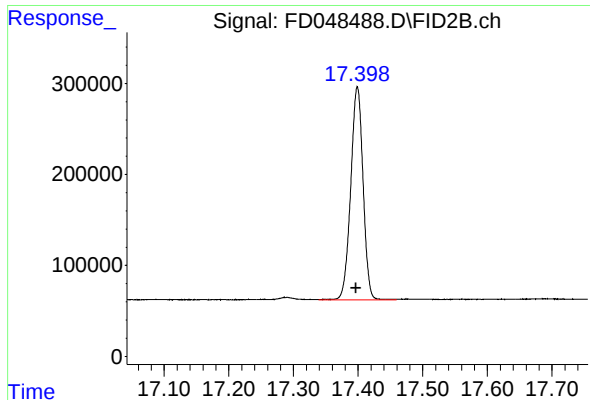
#15 n-Hexacosane (C26)

R.T.: 15.572 min
Delta R.T.: 0.002 min
Response: 3192187
Conc: 19.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.516 min
Delta R.T.: 0.001 min
Response: 3103165
Conc: 18.85 ug/ml



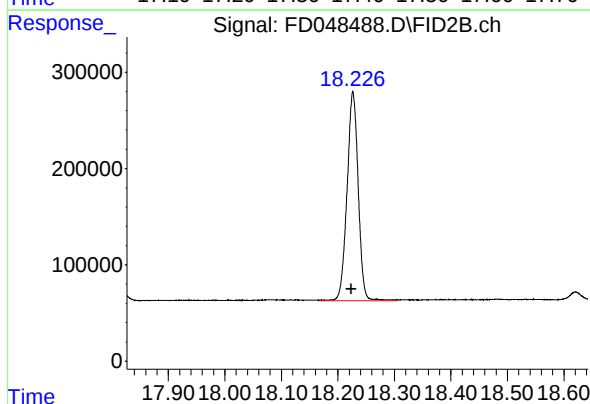
#17 n-Tricontane (C30)

R.T.: 17.399 min
Delta R.T.: 0.002 min
Response: 3106115
Conc: 18.12 ug/ml

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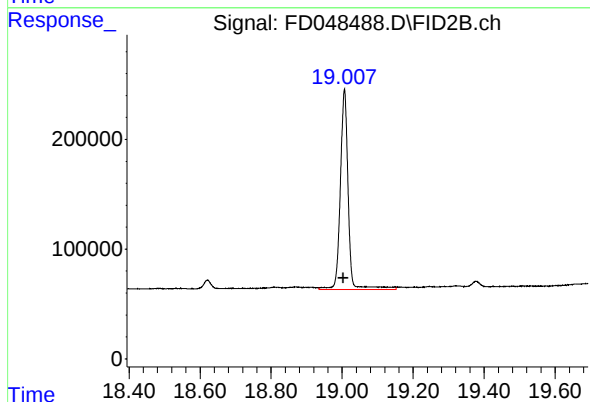
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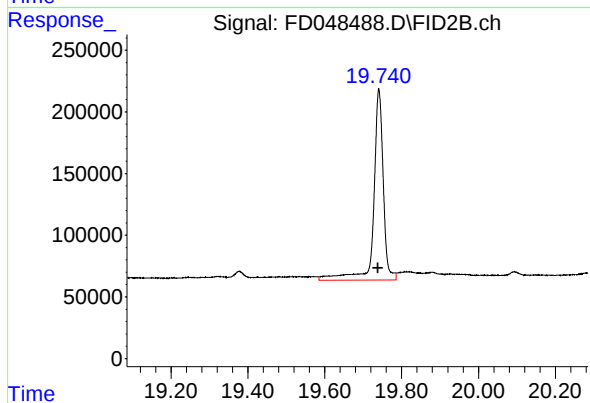
#18 n-Dotriacontane (C32)

R.T.: 18.227 min
Delta R.T.: 0.003 min
Response: 2989133
Conc: 17.87 ug/ml



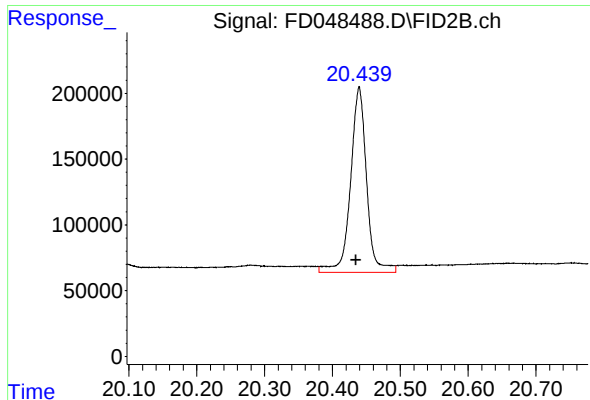
#19 n-Tetratriacontane (C34)

R.T.: 19.007 min
Delta R.T.: 0.003 min
Response: 2810097
Conc: 19.48 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.741 min
Delta R.T.: 0.003 min
Response: 2705692
Conc: 22.54 ug/ml



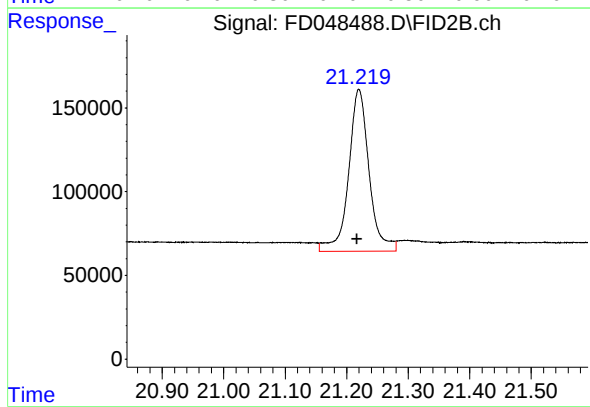
#21 n-Octatriacontane (C38)

R.T.: 20.439 min
Delta R.T.: 0.005 min
Response: 2313315
Conc: 20.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.220 min
Delta R.T.: 0.003 min
Response: 2245214
Conc: 22.43 ug/ml