

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AL\
 Data File : FD048475.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 07:59
 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 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 05:27:36 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)	11.263	3684304	18.568 ug/ml
Spiked Amount 50.000		Recovery =	37.14%
12) S 1-chlorooctadecane (S...	12.705	2799854	18.716 ug/ml
Spiked Amount 50.000		Recovery =	37.43%
Target Compounds			
1) T n-Nonane (C9)	3.124	3165786	18.849 ug/ml
2) T n-Decane (C10)	4.170	3241903	18.681 ug/ml
3) T A~Naphthalene (C11.7)	5.717	3571379	18.903 ug/ml
4) T n-Dodecane (C12)	6.163	3294662	18.818 ug/ml
5) T A~2-methylnaphthalene...	6.763	3441388	19.117 ug/ml
6) T n-Tetradecane (C14)	7.945	3271893	18.752 ug/ml
7) T n-Hexadecane (C16)	9.534	3342532	18.547 ug/ml
8) T n-Octadecane (C18)	10.966	3366863	18.546 ug/ml
10) T n-Eicosane (C20)	12.267	3221867	18.472 ug/ml
11) T n-Heneicosane (C21)	12.875	3190201	18.646 ug/ml
13) T n-Docosane (C22)	13.458	3151790	18.455 ug/ml
14) T n-Tetracosane (C24)	14.555	3084700	18.212 ug/ml
15) T n-Hexacosane (C26)	15.571	3000345	18.126 ug/ml
16) T n-Octacosane (C28)	16.515	2887213	17.537 ug/ml
17) T n-Tricontane (C30)	17.397	2870091	16.741 ug/ml
18) T n-Dotriacontane (C32)	18.225	2736078	16.353 ug/ml
19) T n-Tetratriacontane (C34)	19.003	2351460	16.298 ug/mlm
20) T n-Hexatriacontane (C36)	19.741	2015306	16.785 ug/mlm
21) T n-Octatriacontane (C38)	20.436	1869235	16.693 ug/mlm
22) T n-Tetracontane (C40)	21.217	1783668	17.817 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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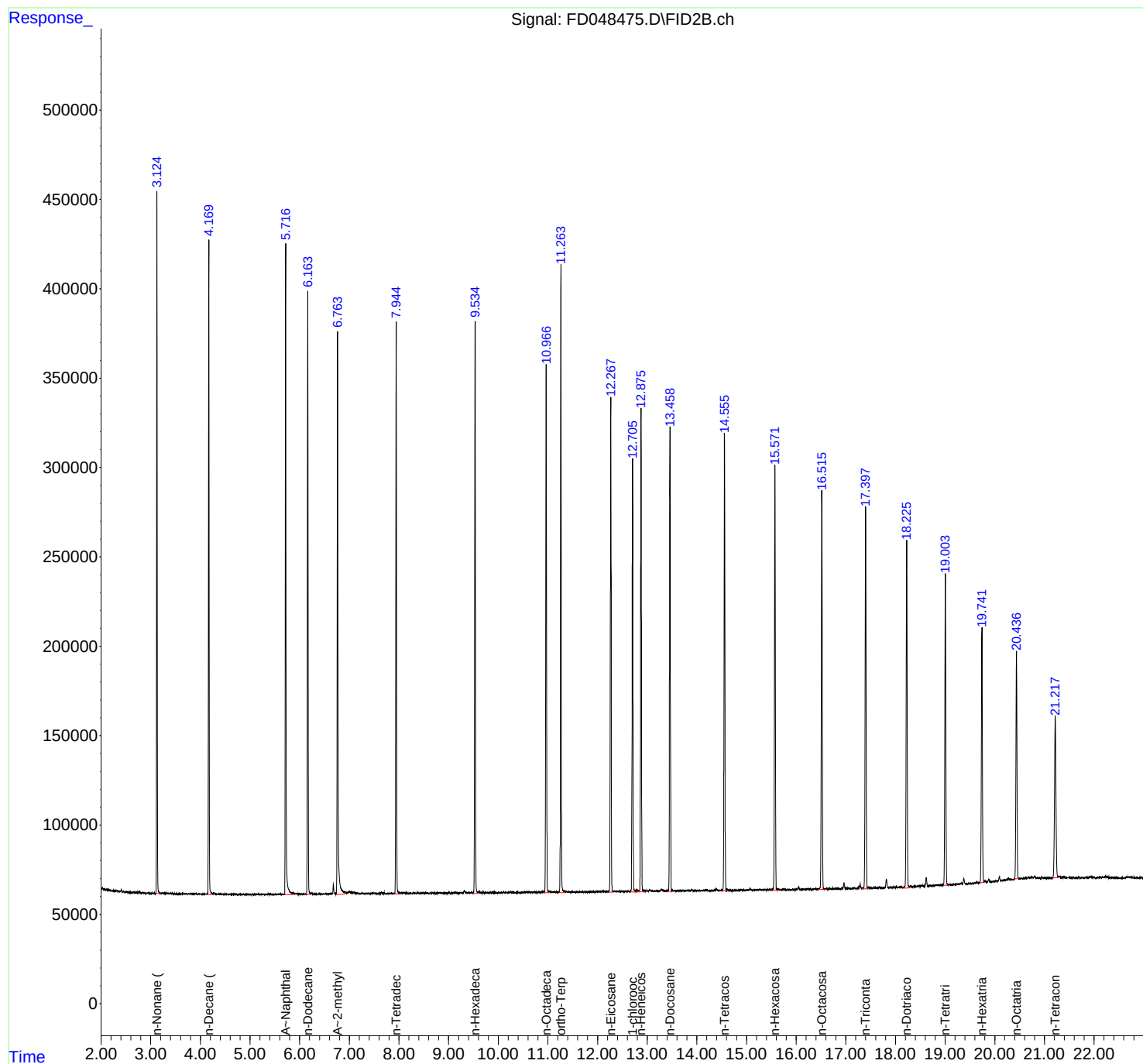
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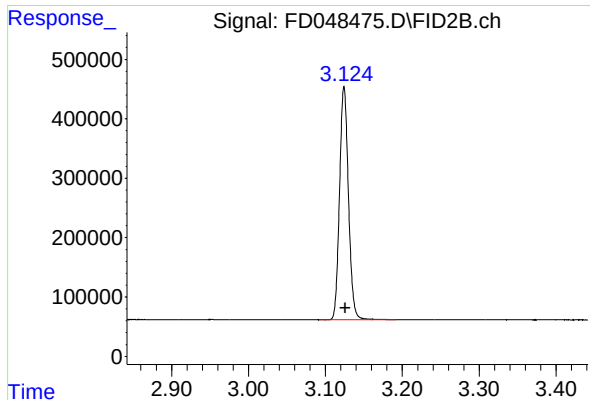
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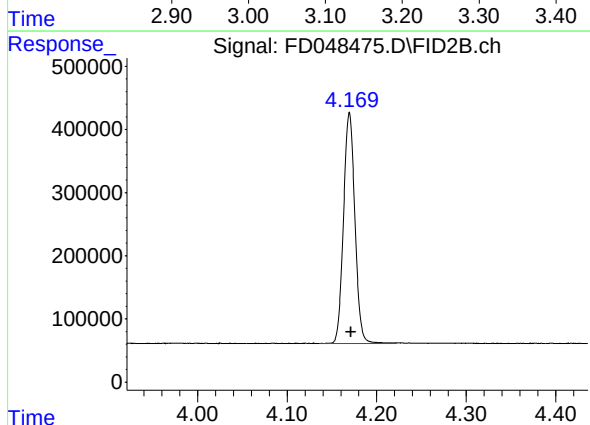
#1 n-Nonane (C9)

R.T.: 3.124 min
Delta R.T.: -0.002 min
Response: 3165786
Conc: 18.85 ug/ml

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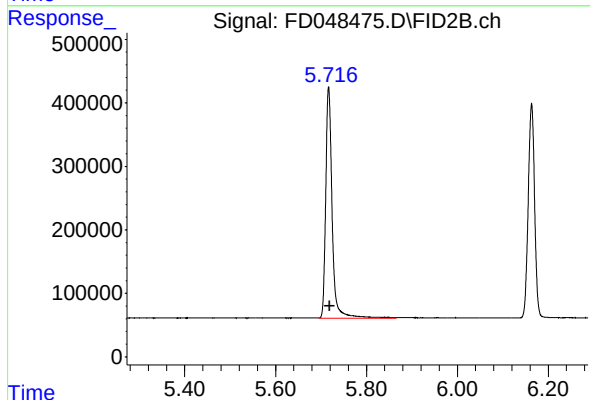
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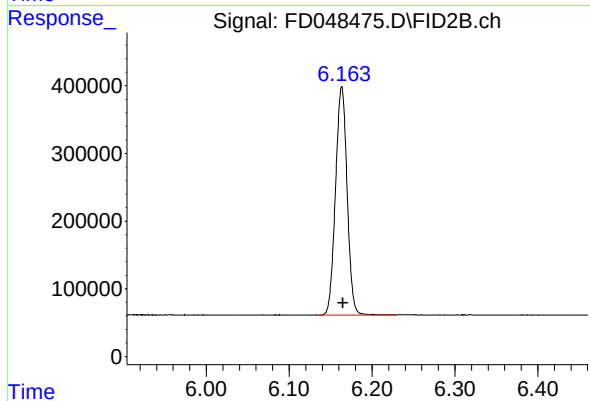
#2 n-Decane (C10)

R.T.: 4.170 min
Delta R.T.: -0.002 min
Response: 3241903
Conc: 18.68 ug/ml



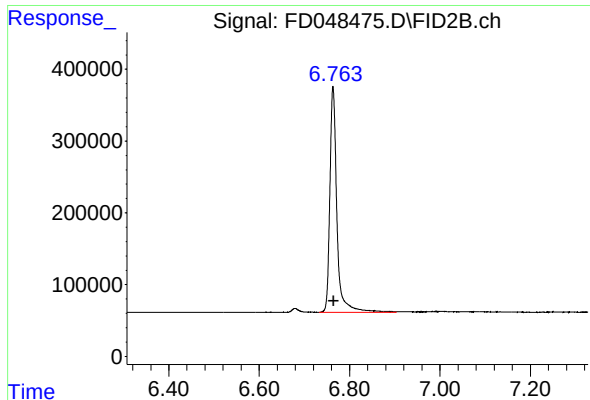
#3 A~Naphthalene (C11.7)

R.T.: 5.717 min
Delta R.T.: -0.002 min
Response: 3571379
Conc: 18.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.163 min
Delta R.T.: -0.002 min
Response: 3294662
Conc: 18.82 ug/ml



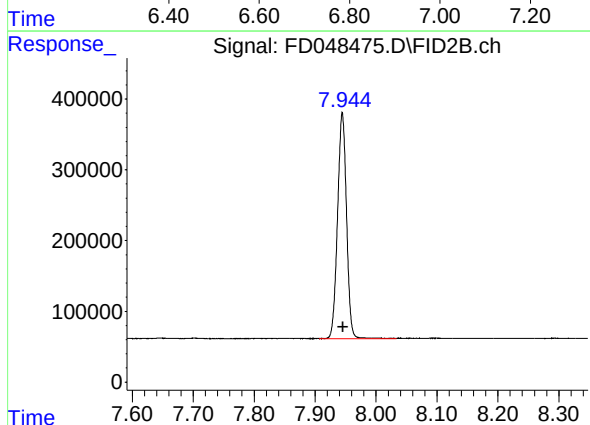
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.763 min
Delta R.T.: -0.002 min
Response: 3441388
Conc: 19.12 ug/ml

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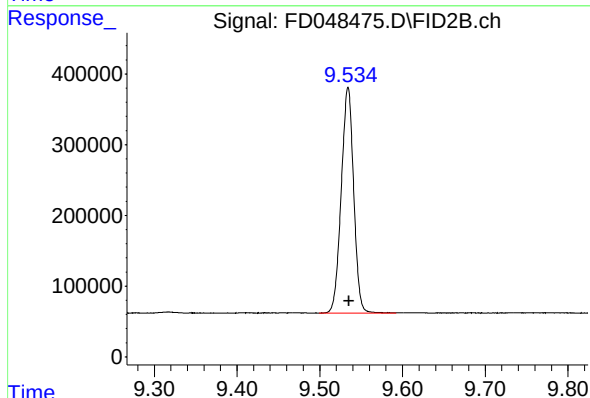
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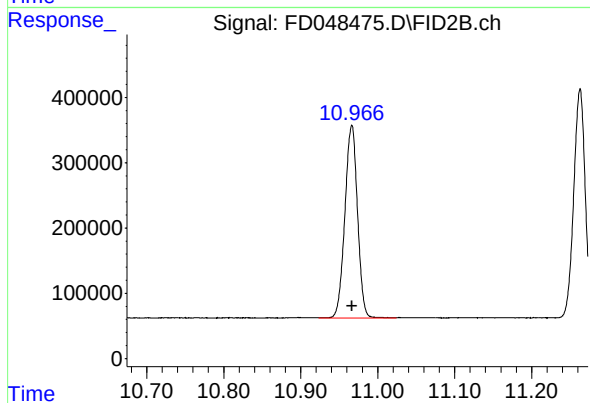
#6 n-Tetradecane (C14)

R.T.: 7.945 min
Delta R.T.: -0.001 min
Response: 3271893
Conc: 18.75 ug/ml



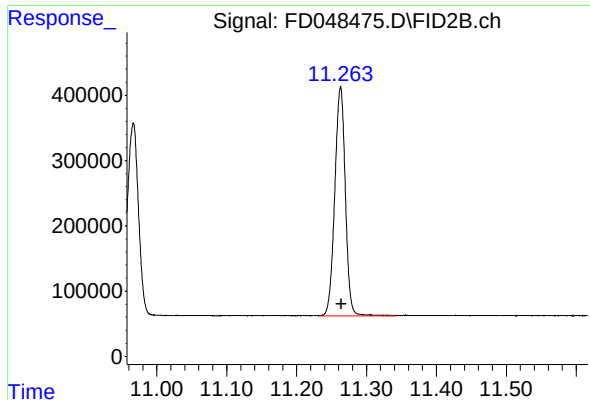
#7 n-Hexadecane (C16)

R.T.: 9.534 min
Delta R.T.: 0.000 min
Response: 3342532
Conc: 18.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.966 min
Delta R.T.: 0.000 min
Response: 3366863
Conc: 18.55 ug/ml



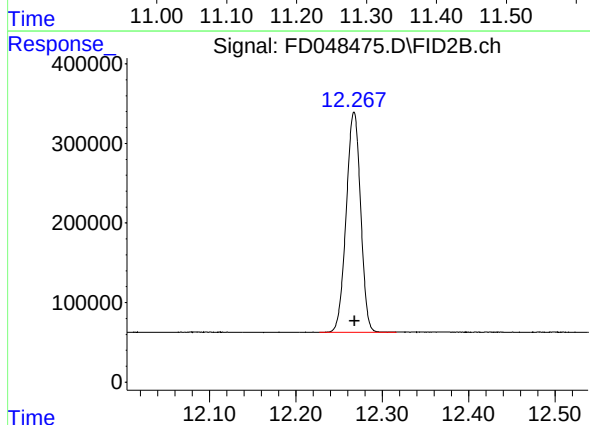
#9 ortho-Terphenyl (SURR)

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 3684304
Conc: 18.57 ug/ml

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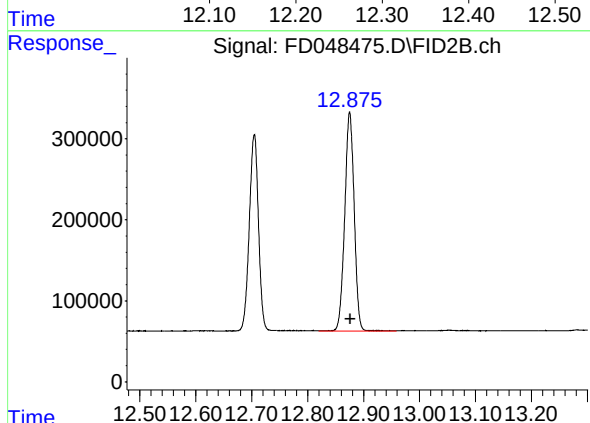
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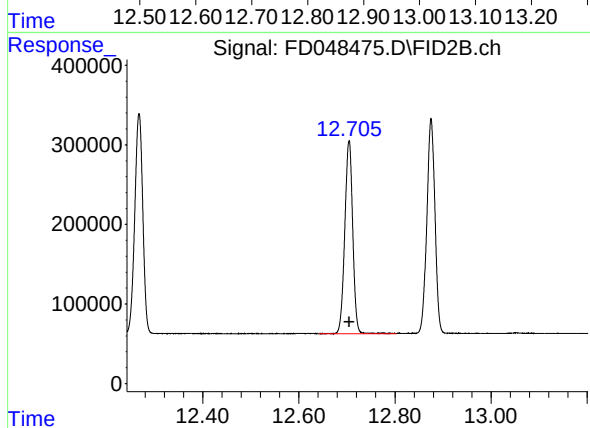
#10 n-Eicosane (C20)

R.T.: 12.267 min
Delta R.T.: 0.000 min
Response: 3221867
Conc: 18.47 ug/ml



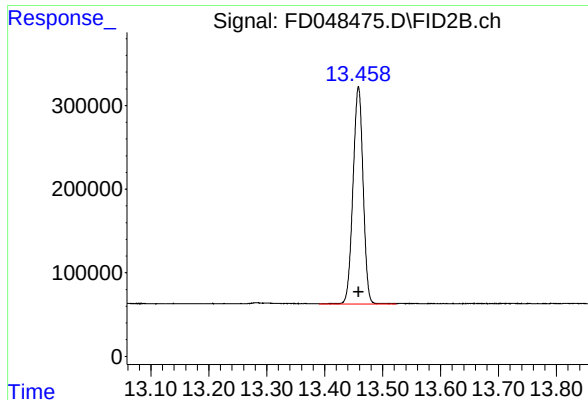
#11 n-Heneicosane (C21)

R.T.: 12.875 min
Delta R.T.: -0.001 min
Response: 3190201
Conc: 18.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 2799854
Conc: 18.72 ug/ml



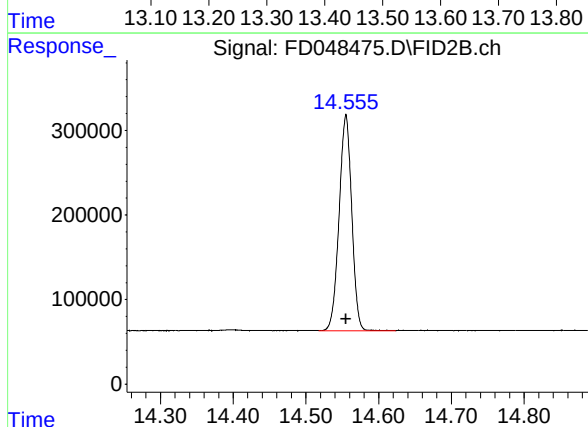
#13 n-Docosane (C22)

R.T.: 13.458 min
Delta R.T.: 0.000 min
Response: 3151790
Conc: 18.46 ug/ml

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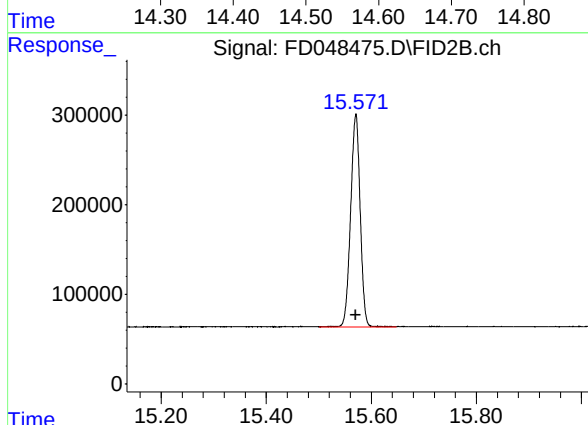
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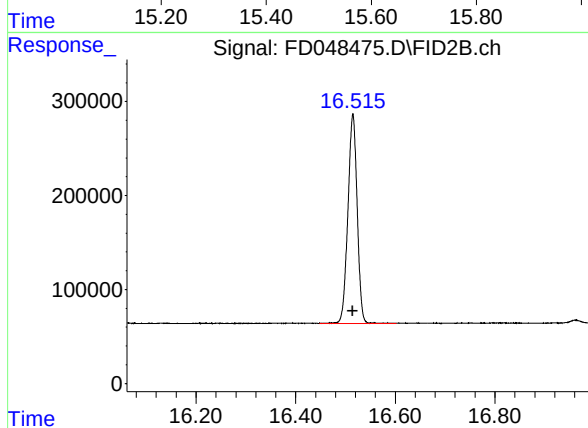
#14 n-Tetracosane (C24)

R.T.: 14.555 min
Delta R.T.: 0.000 min
Response: 3084700
Conc: 18.21 ug/ml



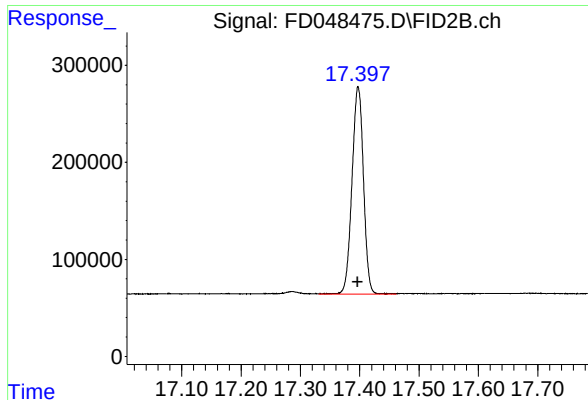
#15 n-Hexacosane (C26)

R.T.: 15.571 min
Delta R.T.: 0.000 min
Response: 3000345
Conc: 18.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.515 min
Delta R.T.: 0.000 min
Response: 2887213
Conc: 17.54 ug/ml



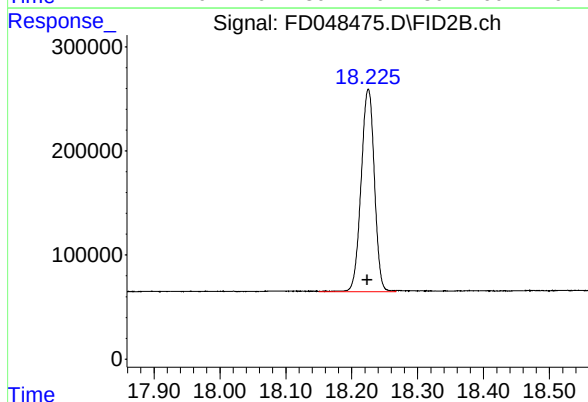
#17 n-Tricontane (C30)

R.T.: 17.397 min
Delta R.T.: 0.000 min
Response: 2870091
Conc: 16.74 ug/ml

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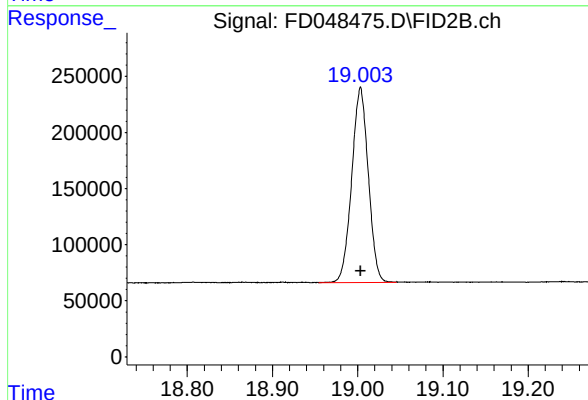
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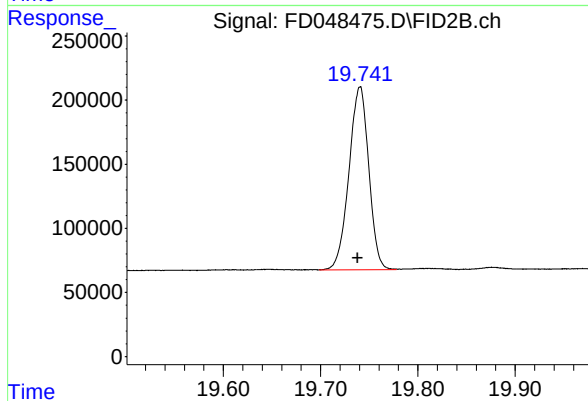
#18 n-Dotriacontane (C32)

R.T.: 18.225 min
Delta R.T.: 0.001 min
Response: 2736078
Conc: 16.35 ug/ml



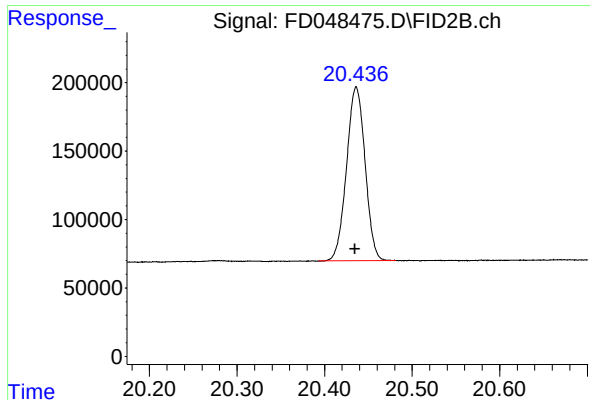
#19 n-Tetratriacontane (C34)

R.T.: 19.003 min
Delta R.T.: 0.000 min
Response: 2351460
Conc: 16.30 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.741 min
Delta R.T.: 0.003 min
Response: 2015306
Conc: 16.79 ug/ml m



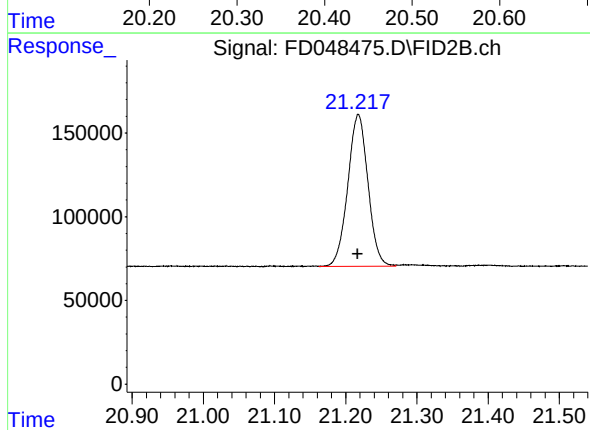
#21 n-Octatriacontane (C38)

R.T.: 20.436 min
Delta R.T.: 0.001 min
Response: 1869235
Conc: 16.69 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.217 min
Delta R.T.: 0.000 min
Response: 1783668
Conc: 17.82 ug/ml m