

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082324AL\
 Data File : FE049726.D
 Signal(s) : FID1B.ch
 Acq On : 23 Aug 2024 13:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/26/2024
 Supervised By :Ankita Jodhani 08/26/2024

Integration File: autoint1.e
 Quant Time: Aug 24 01:17:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.884	3340973	20.660 ug/ml
Spiked Amount 50.000		Recovery =	41.32%
12) S 1-chlorooctadecane (S...	13.318	2548089	20.885 ug/ml
Spiked Amount 50.000		Recovery =	41.77%
Target Compounds			
1) T n-Nonane (C9)	3.274	3093269	19.988 ug/ml
2) T n-Decane (C10)	4.524	3165860	20.051 ug/ml
3) T A~Naphthalene (C11.7)	6.231	3263552	20.340 ug/ml
4) T n-Dodecane (C12)	6.691	3200754	20.360 ug/ml
5) T A~2-methylnaphthalene...	7.327	3092642	20.651 ug/ml
6) T n-Tetradecane (C14)	8.519	3128491	20.265 ug/ml
7) T n-Hexadecane (C16)	10.124	3211399	20.562 ug/ml
8) T n-Octadecane (C18)	11.566	3234704	20.596 ug/ml
10) T n-Eicosane (C20)	12.873	3094936	20.729 ug/ml
11) T n-Heneicosane (C21)	13.485	3036844	20.701 ug/ml
13) T n-Docosane (C22)	14.070	3014987	20.686 ug/ml
14) T n-Tetracosane (C24)	15.171	3015646	20.731 ug/ml
15) T n-Hexacosane (C26)	16.191	2971789	20.591 ug/ml
16) T n-Octacosane (C28)	17.140	3035256	21.072 ug/ml
17) T n-Tricontane (C30)	18.027	3232945	21.596 ug/ml
18) T n-Dotriacontane (C32)	18.859	3329700	22.010 ug/ml
19) T n-Tetratriacontane (C34)	19.641	3346863	21.892 ug/ml
20) T n-Hexatriacontane (C36)	20.380	3294989	21.699 ug/ml
21) T n-Octatriacontane (C38)	21.108	3333178	21.237 ug/ml
22) T n-Tetracontane (C40)	22.001	3280860	21.489 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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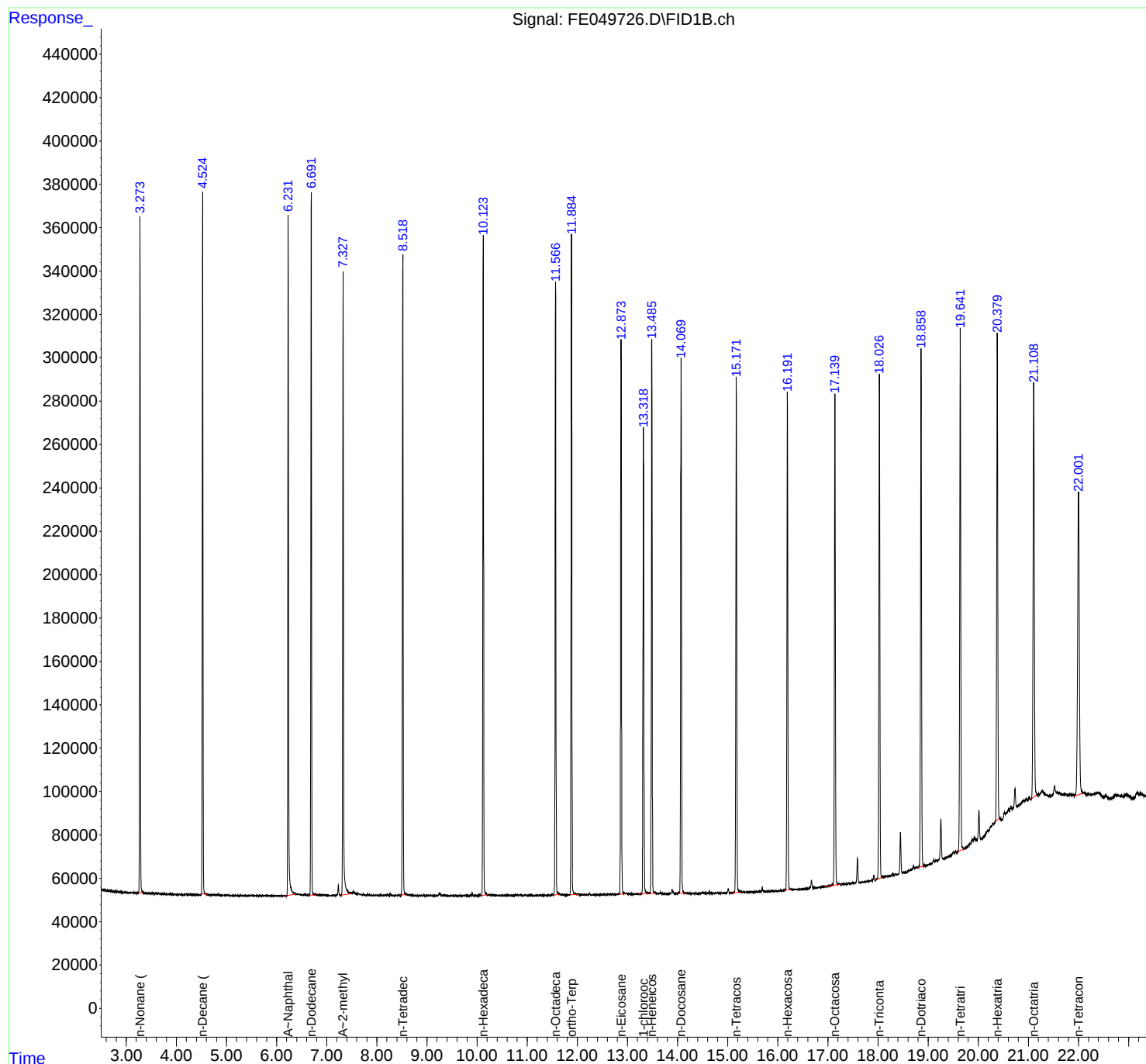
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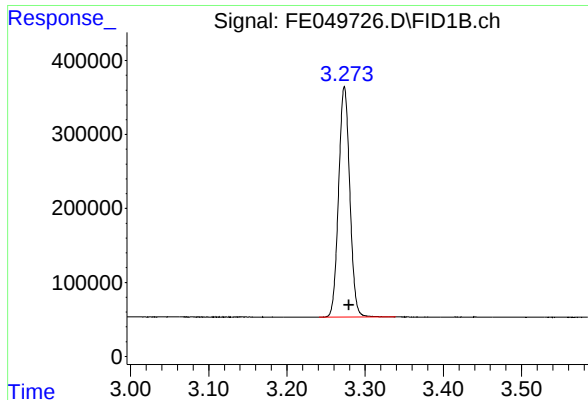
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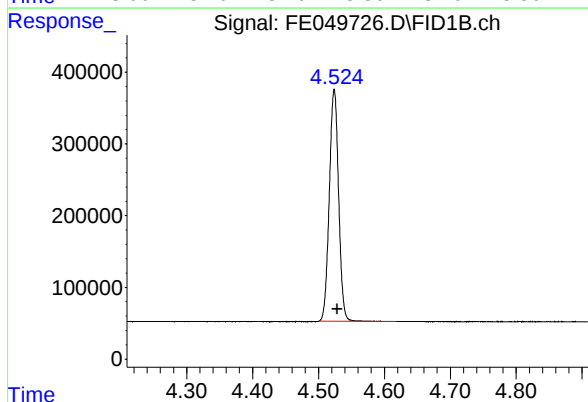
#1 n-Nonane (C9)

R.T.: 3.274 min
Delta R.T.: -0.005 min
Response: 3093269
Conc: 19.99 ug/ml

Instrument : FID_E
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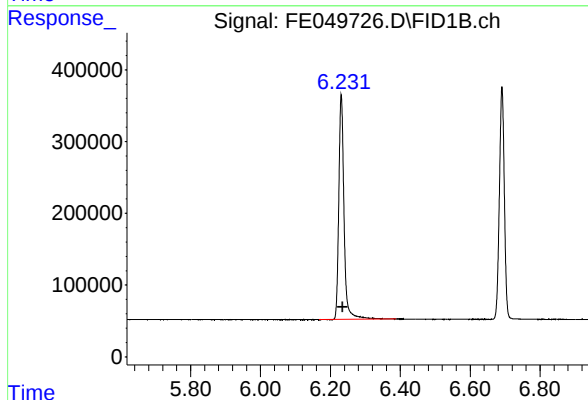
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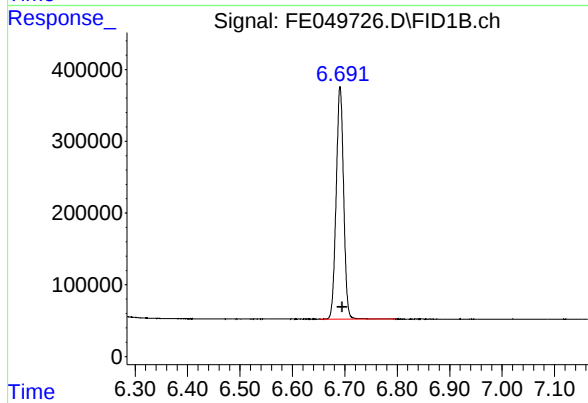
#2 n-Decane (C10)

R.T.: 4.524 min
Delta R.T.: -0.005 min
Response: 3165860
Conc: 20.05 ug/ml



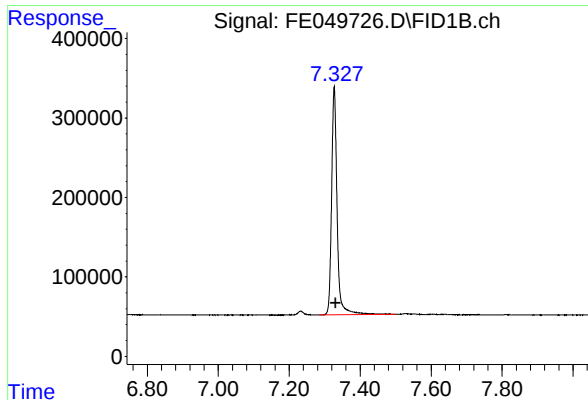
#3 A~Naphthalene (C11.7)

R.T.: 6.231 min
Delta R.T.: -0.004 min
Response: 3263552
Conc: 20.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.691 min
Delta R.T.: -0.005 min
Response: 3200754
Conc: 20.36 ug/ml



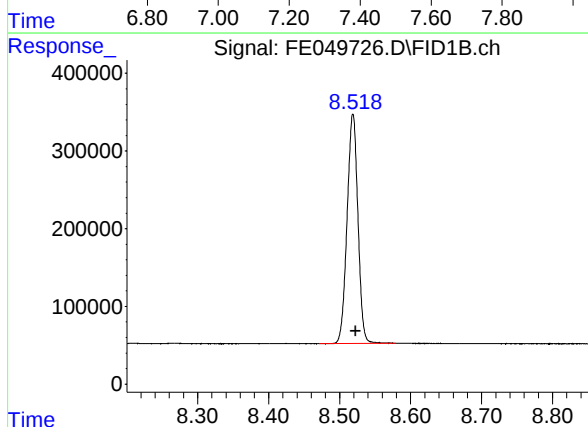
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.004 min
Response: 3092642
Conc: 20.65 ug/ml

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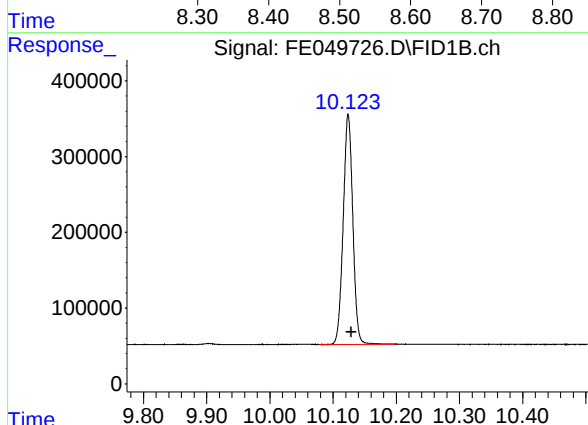
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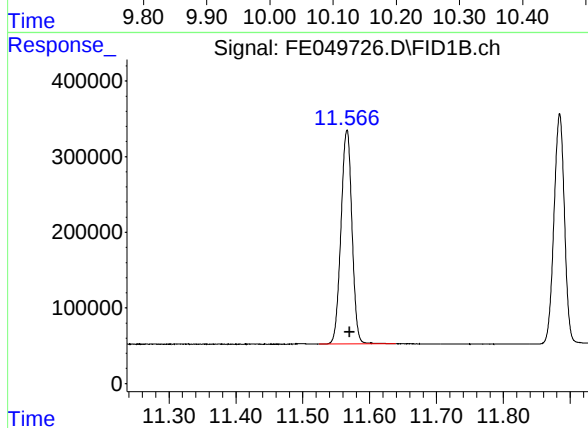
#6 n-Tetradecane (C14)

R.T.: 8.519 min
Delta R.T.: -0.004 min
Response: 3128491
Conc: 20.26 ug/ml



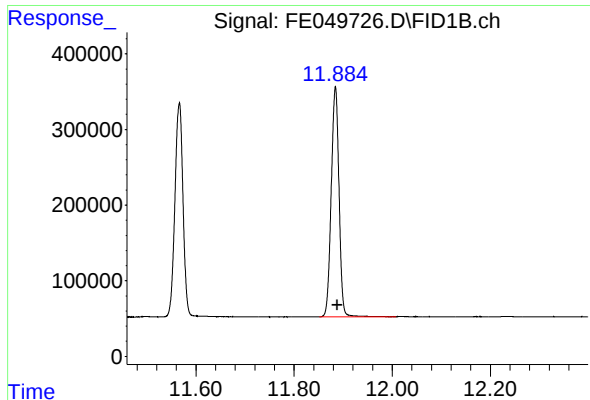
#7 n-Hexadecane (C16)

R.T.: 10.124 min
Delta R.T.: -0.005 min
Response: 3211399
Conc: 20.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.566 min
Delta R.T.: -0.005 min
Response: 3234704
Conc: 20.60 ug/ml



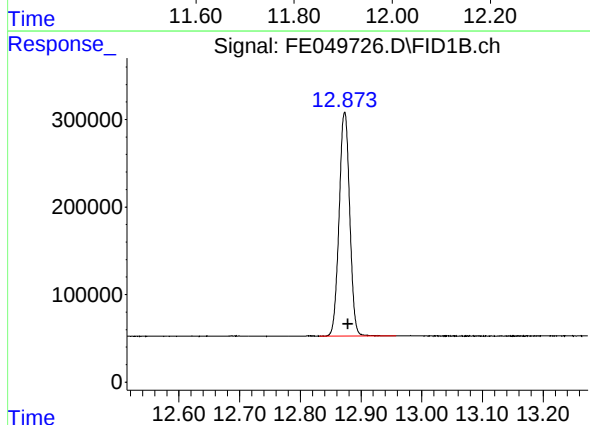
#9 ortho-Terphenyl (SURR)

R.T.: 11.884 min
Delta R.T.: -0.004 min
Response: 3340973
Conc: 20.66 ug/ml

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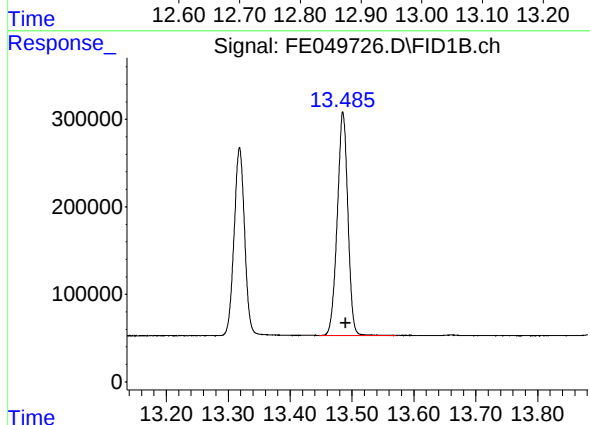
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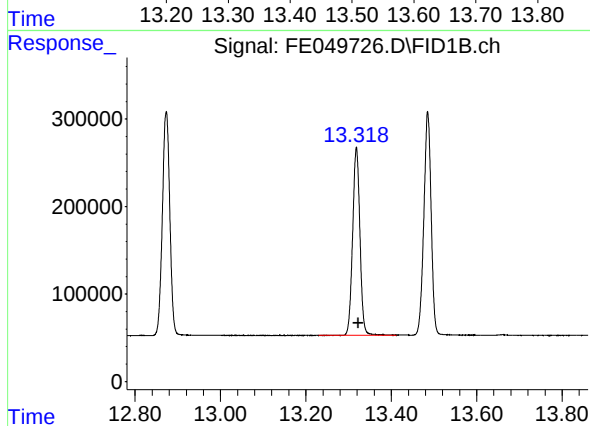
#10 n-Eicosane (C20)

R.T.: 12.873 min
Delta R.T.: -0.006 min
Response: 3094936
Conc: 20.73 ug/ml



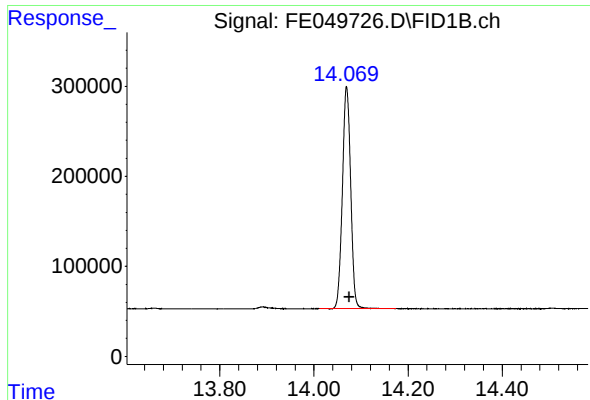
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.005 min
Response: 3036844
Conc: 20.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min
Delta R.T.: -0.005 min
Response: 2548089
Conc: 20.88 ug/ml



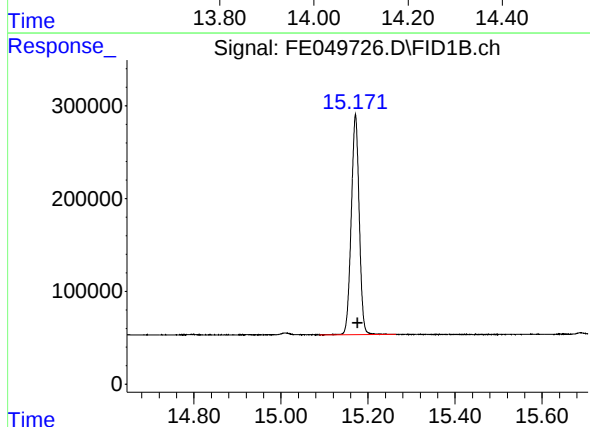
#13 n-Docosane (C22)

R.T.: 14.070 min
Delta R.T.: -0.006 min
Response: 3014987
Conc: 20.69 ug/ml

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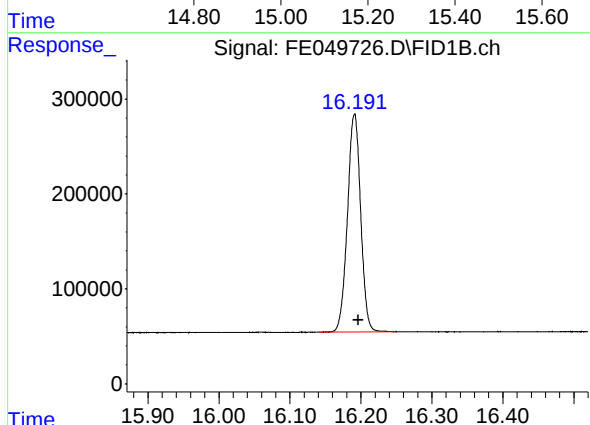
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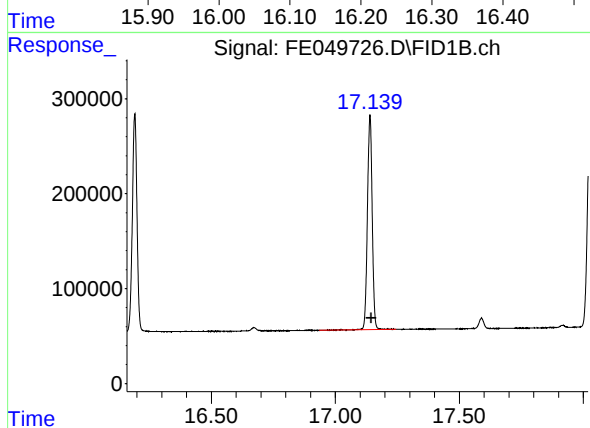
#14 n-Tetracosane (C24)

R.T.: 15.171 min
Delta R.T.: -0.006 min
Response: 3015646
Conc: 20.73 ug/ml



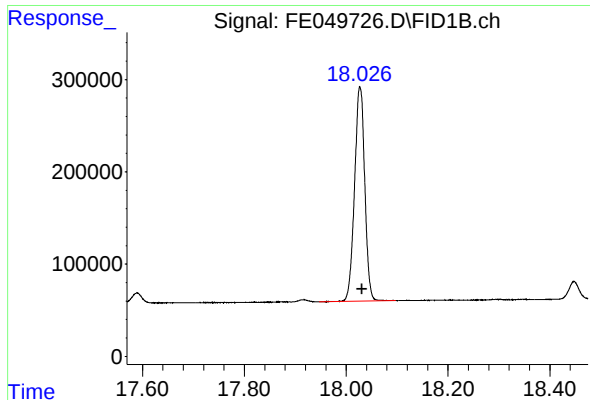
#15 n-Hexacosane (C26)

R.T.: 16.191 min
Delta R.T.: -0.006 min
Response: 2971789
Conc: 20.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: -0.005 min
Response: 3035256
Conc: 21.07 ug/ml



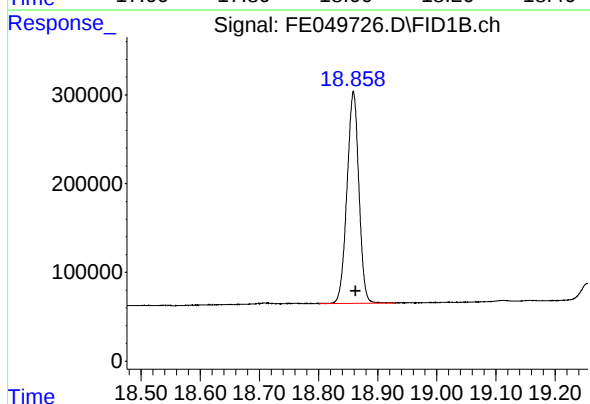
#17 n-Tricontane (C30)

R.T.: 18.027 min
Delta R.T.: -0.004 min
Response: 3232945
Conc: 21.60 ug/ml

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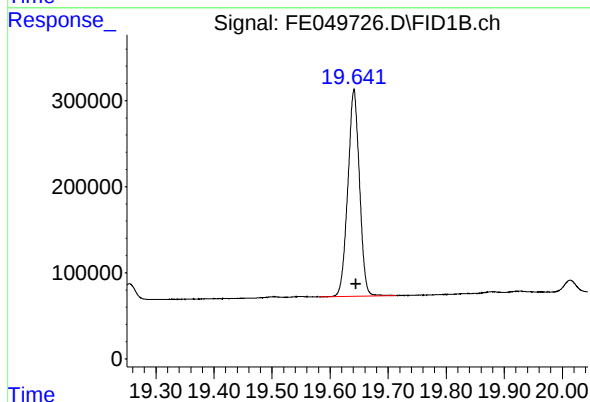
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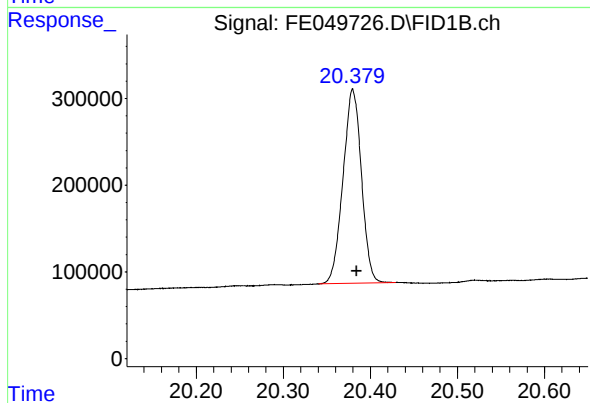
#18 n-Dotriacontane (C32)

R.T.: 18.859 min
Delta R.T.: -0.003 min
Response: 3329700
Conc: 22.01 ug/ml



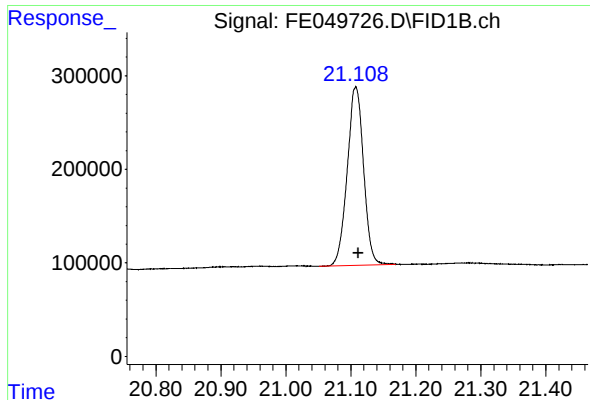
#19 n-Tetratriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.003 min
Response: 3346863
Conc: 21.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: -0.004 min
Response: 3294989
Conc: 21.70 ug/ml



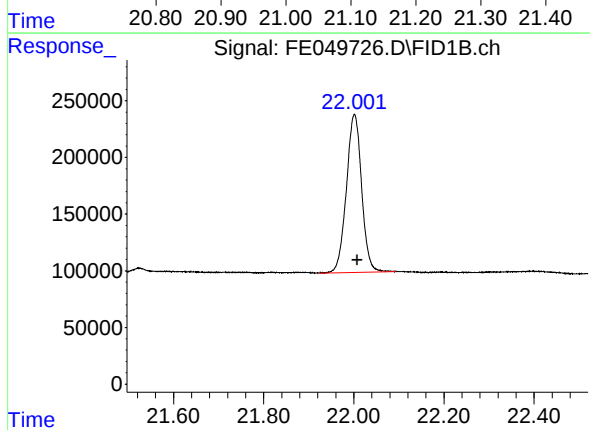
#21 n-Octatriacontane (C38)

R.T.: 21.108 min
Delta R.T.: -0.004 min
Response: 3333178
Conc: 21.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.001 min
Delta R.T.: -0.006 min
Response: 3280860
Conc: 21.49 ug/ml m