

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122024AL\
 Data File : FE051728.D
 Signal(s) : FID1B.ch
 Acq On : 20 Dec 2024 06:43
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/23/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 20 22:42:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 15:04:25 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)	12.027	3212760	20.012 ug/ml
Spiked Amount 50.000		Recovery =	40.02%
12) S 1-chlorooctadecane (S...	13.448	2484817	19.698 ug/ml
Spiked Amount 50.000		Recovery =	39.40%
Target Compounds			
1) T n-Nonane (C9)	3.490	2439922	20.363 ug/ml
2) T n-Decane (C10)	4.724	2534385	20.384 ug/ml
3) T A~Naphthalene (C11.7)	6.414	2929102	20.555 ug/ml
4) T n-Dodecane (C12)	6.862	2642645	20.309 ug/ml
5) T A~2-methylnaphthalene...	7.498	2891744	20.434 ug/ml
6) T n-Tetradecane (C14)	8.675	2709233	20.206 ug/ml
7) T n-Hexadecane (C16)	10.271	2878116	20.139 ug/ml
8) T n-Octadecane (C18)	11.704	2958401	20.069 ug/mlm
10) T n-Eicosane (C20)	13.005	2877041	19.998 ug/ml
11) T n-Heneicosane (C21)	13.613	2824571	19.876 ug/ml
13) T n-Docosane (C22)	14.196	2816320	19.976 ug/ml
14) T n-Tetracosane (C24)	15.290	2810575	20.144 ug/ml
15) T n-Hexacosane (C26)	16.305	2726539	20.236 ug/ml
16) T n-Octacosane (C28)	17.247	2665519	20.490 ug/ml
17) T n-Tricontane (C30)	18.128	2690708	20.331 ug/ml
18) T n-Dotriacontane (C32)	18.953	2551077	20.349 ug/ml
19) T n-Tetratriacontane (C34)	19.731	2364013	21.487 ug/ml
20) T n-Hexatriacontane (C36)	20.465	2251956	23.455 ug/ml
21) T n-Octatriacontane (C38)	21.206	2007246	22.291 ug/mlm
22) T n-Tetracontane (C40)	22.135	2012172	20.616 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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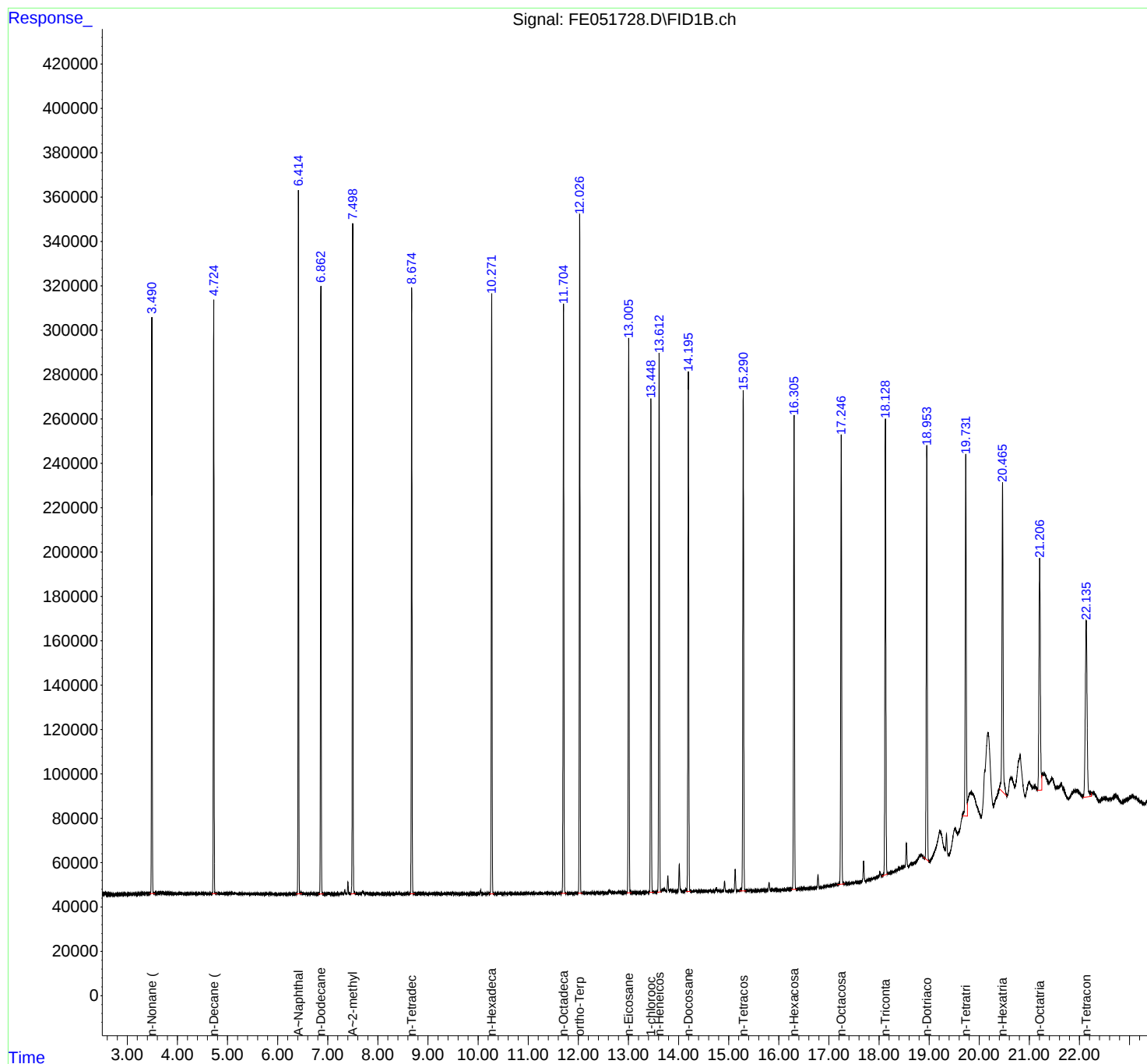
Instrument :
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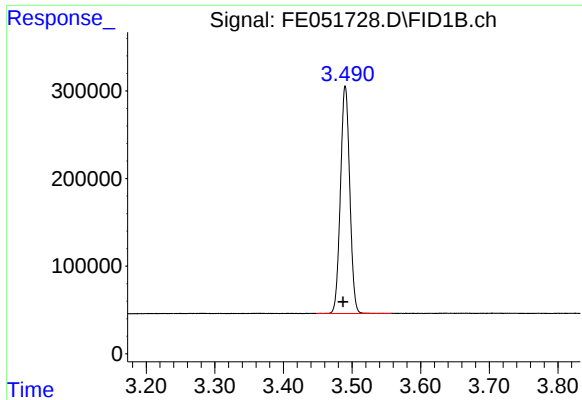
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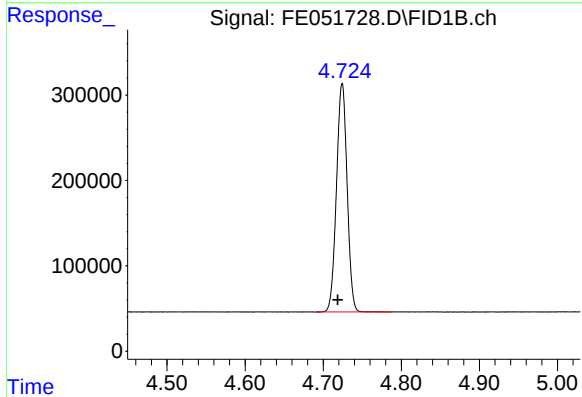
#1 n-Nonane (C9)

R.T.: 3.490 min
Delta R.T.: 0.003 min
Response: 2439922
Conc: 20.36 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

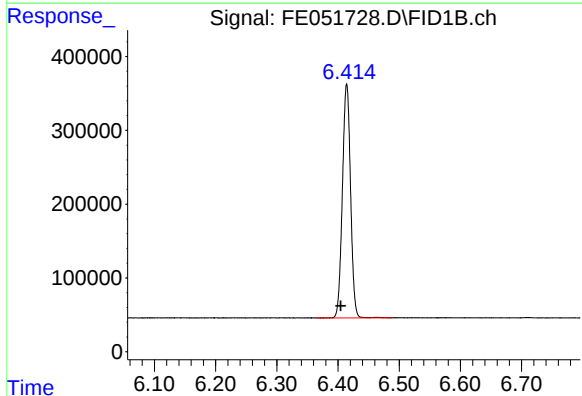
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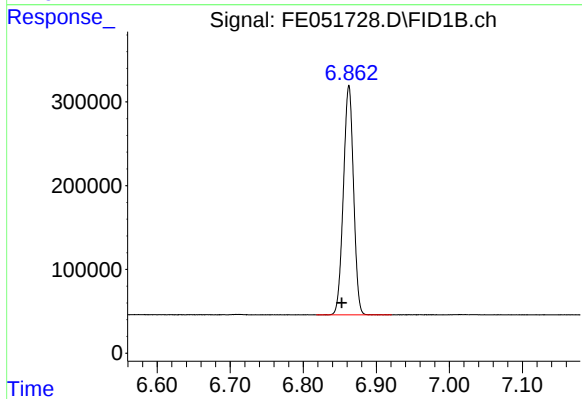
#2 n-Decane (C10)

R.T.: 4.724 min
Delta R.T.: 0.006 min
Response: 2534385
Conc: 20.38 ug/ml



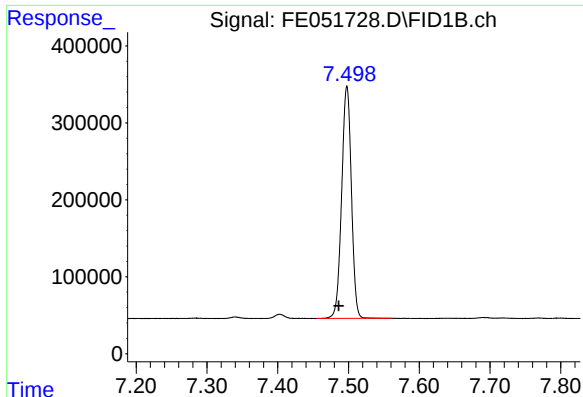
#3 A~Naphthalene (C11.7)

R.T.: 6.414 min
Delta R.T.: 0.010 min
Response: 2929102
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.862 min
Delta R.T.: 0.010 min
Response: 2642645
Conc: 20.31 ug/ml



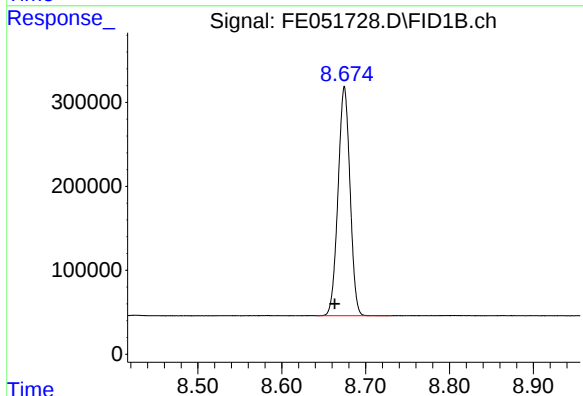
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.498 min
Delta R.T.: 0.011 min
Response: 2891744
Conc: 20.43 ug/ml

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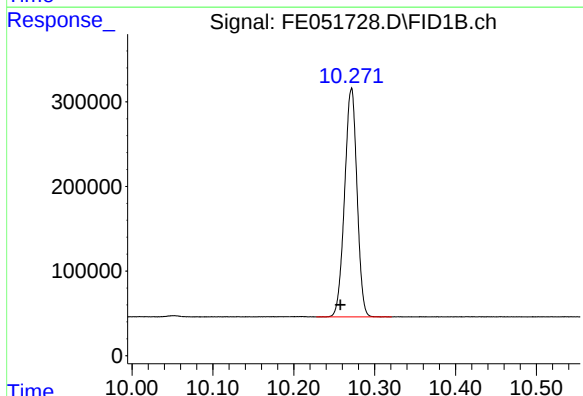
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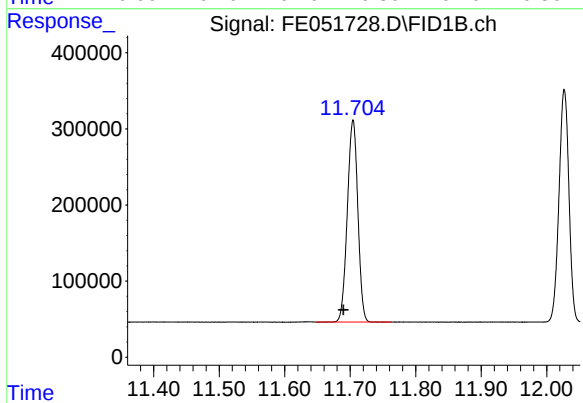
#6 n-Tetradecane (C14)

R.T.: 8.675 min
Delta R.T.: 0.011 min
Response: 2709233
Conc: 20.21 ug/ml



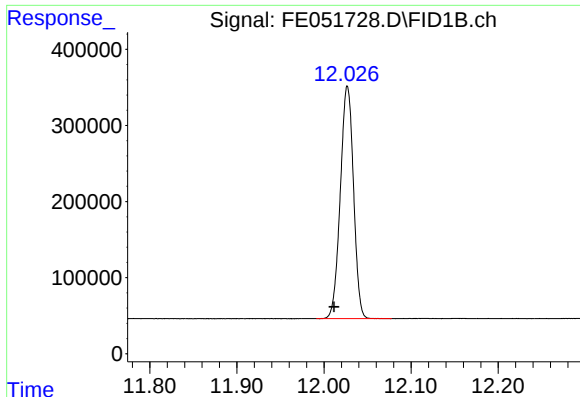
#7 n-Hexadecane (C16)

R.T.: 10.271 min
Delta R.T.: 0.014 min
Response: 2878116
Conc: 20.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.704 min
Delta R.T.: 0.014 min
Response: 2958401
Conc: 20.07 ug/ml m



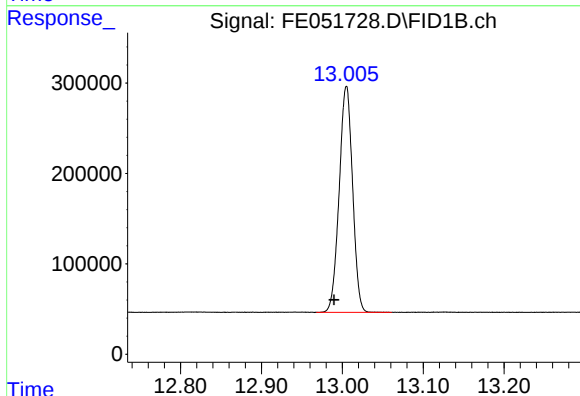
#9 ortho-Terphenyl (SURR)

R.T.: 12.027 min
Delta R.T.: 0.015 min
Response: 3212760
Conc: 20.01 ug/ml

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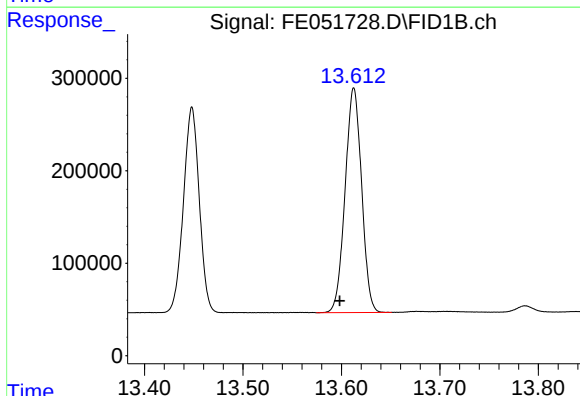
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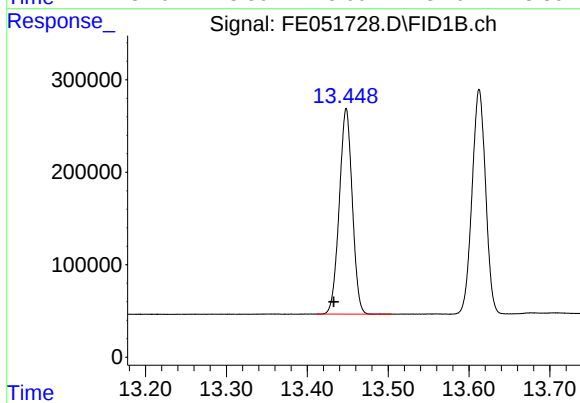
#10 n-Eicosane (C20)

R.T.: 13.005 min
Delta R.T.: 0.015 min
Response: 2877041
Conc: 20.00 ug/ml



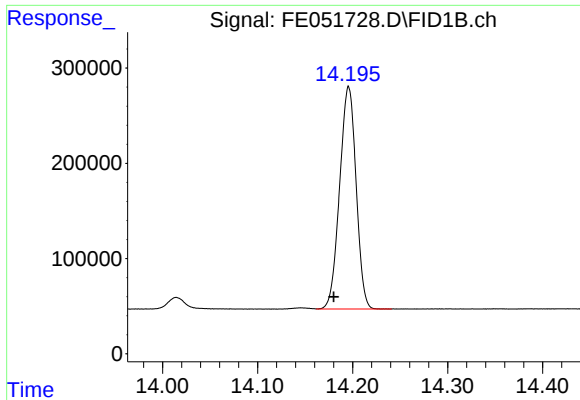
#11 n-Heneicosane (C21)

R.T.: 13.613 min
Delta R.T.: 0.014 min
Response: 2824571
Conc: 19.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.448 min
Delta R.T.: 0.015 min
Response: 2484817
Conc: 19.70 ug/ml



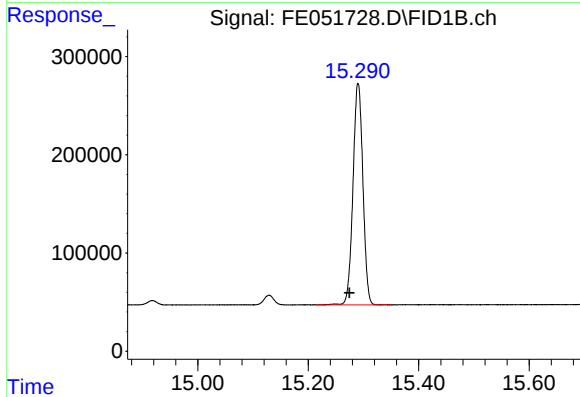
#13 n-Docosane (C22)

R.T.: 14.196 min
Delta R.T.: 0.016 min
Response: 2816320
Conc: 19.98 ug/ml

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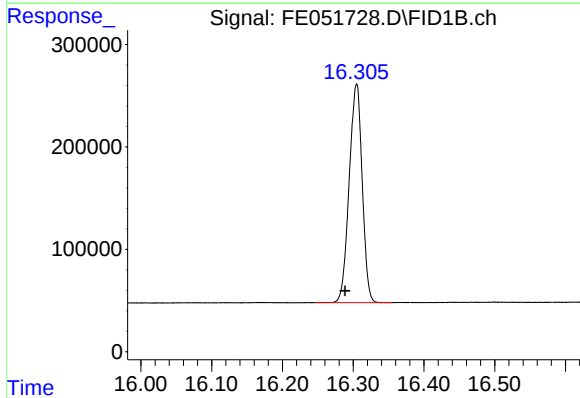
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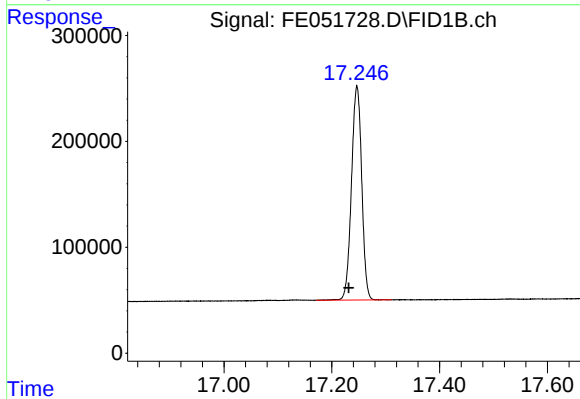
#14 n-Tetracosane (C24)

R.T.: 15.290 min
Delta R.T.: 0.016 min
Response: 2810575
Conc: 20.14 ug/ml



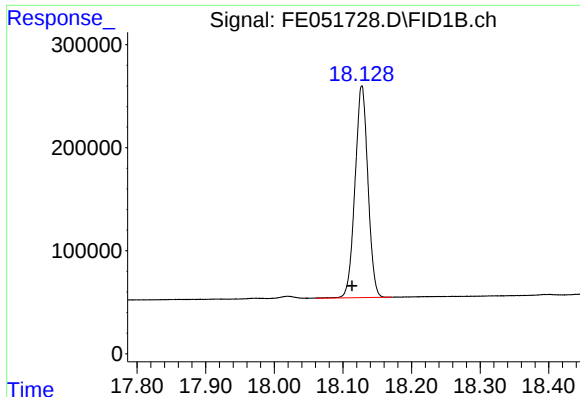
#15 n-Hexacosane (C26)

R.T.: 16.305 min
Delta R.T.: 0.016 min
Response: 2726539
Conc: 20.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.247 min
Delta R.T.: 0.015 min
Response: 2665519
Conc: 20.49 ug/ml



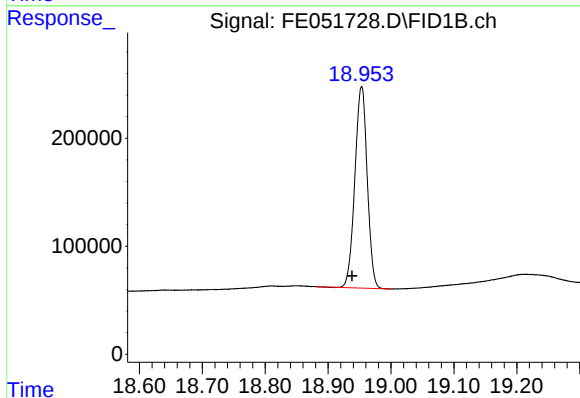
#17 n-Tricontane (C30)

R.T.: 18.128 min
Delta R.T.: 0.015 min
Response: 2690708
Conc: 20.33 ug/ml

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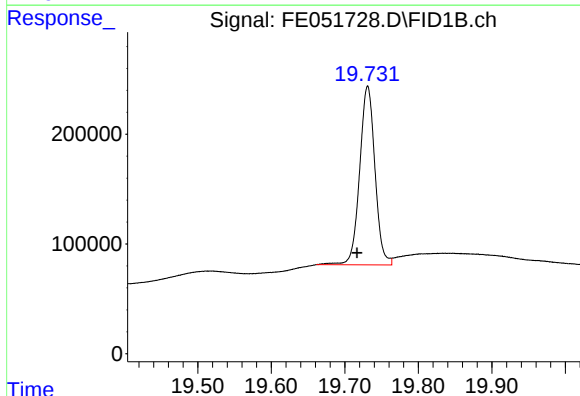
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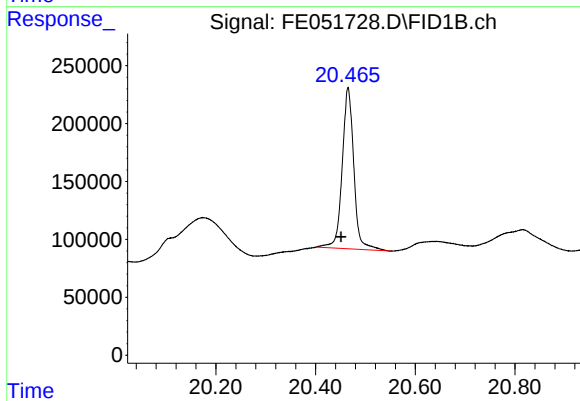
#18 n-Dotriacontane (C32)

R.T.: 18.953 min
Delta R.T.: 0.015 min
Response: 2551077
Conc: 20.35 ug/ml



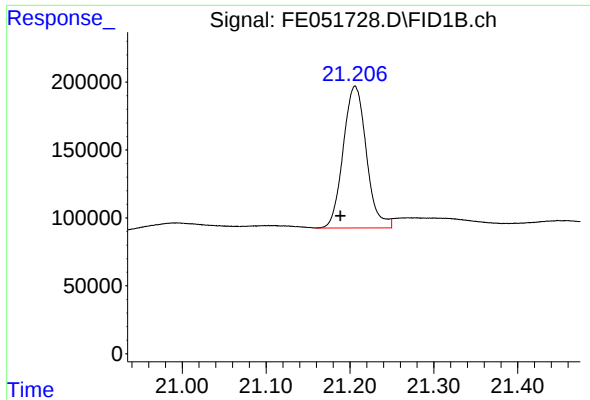
#19 n-Tetratriacontane (C34)

R.T.: 19.731 min
Delta R.T.: 0.014 min
Response: 2364013
Conc: 21.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.465 min
Delta R.T.: 0.014 min
Response: 2251956
Conc: 23.45 ug/ml



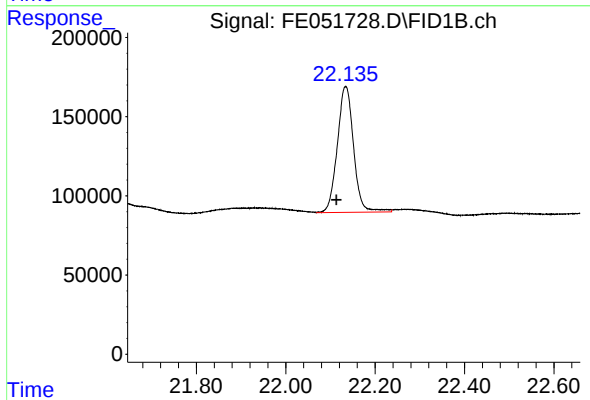
#21 n-Octatriacontane (C38)

R.T.: 21.206 min
Delta R.T.: 0.017 min
Response: 2007246
Conc: 22.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.135 min
Delta R.T.: 0.022 min
Response: 2012172
Conc: 20.62 ug/ml m