

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112223AL\
 Data File : FE045495.D
 Signal(s) : FID1B.ch
 Acq On : 22 Nov 2023 12:56
 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 11/24/2023
 Supervised By :Ankita Jodhani 11/27/2023

Integration File: autoint1.e
 Quant Time: Nov 22 22:45:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 2023
 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)	11.872	3393886	17.776 ug/ml
Spiked Amount 50.000		Recovery =	35.55%
12) S 1-chlorooctadecane (S...	13.315	2398475	17.413 ug/ml
Spiked Amount 50.000		Recovery =	34.83%
Target Compounds			
1) T n-Nonane (C9)	3.256	2999034	18.154 ug/ml
2) T n-Decane (C10)	4.506	3020280	18.012 ug/ml
3) T A~Naphthalene (C11.7)	6.207	3194953	17.899 ug/ml
4) T n-Dodecane (C12)	6.674	3039804	17.999 ug/ml
5) T A~2-methylnaphthalene...	7.303	3043182	17.722 ug/ml
6) T n-Tetradecane (C14)	8.501	2980617	17.884 ug/ml
7) T n-Hexadecane (C16)	10.114	2987055	17.759 ug/ml
8) T n-Octadecane (C18)	11.560	2957428	17.670 ug/ml
10) T n-Eicosane (C20)	12.871	2797065	17.657 ug/ml
11) T n-Heneicosane (C21)	13.484	2705733	17.597 ug/ml
13) T n-Docosane (C22)	14.072	2657702	17.541 ug/ml
14) T n-Tetracosane (C24)	15.178	2591883	17.500 ug/ml
15) T n-Hexacosane (C26)	16.201	2535961	17.399 ug/ml
16) T n-Octacosane (C28)	17.153	2530598	17.318 ug/ml
17) T n-Tricontane (C30)	18.043	2592157	17.065 ug/ml
18) T n-Dotriacontane (C32)	18.877	2663484	17.049 ug/ml
19) T n-Tetratriacontane (C34)	19.663	2721359	17.429 ug/ml
20) T n-Hexatriacontane (C36)	20.406	2892463	17.820 ug/ml
21) T n-Octatriacontane (C38)	21.142	2965414	17.849 ug/ml
22) T n-Tetracontane (C40)	22.054	2757324	16.143 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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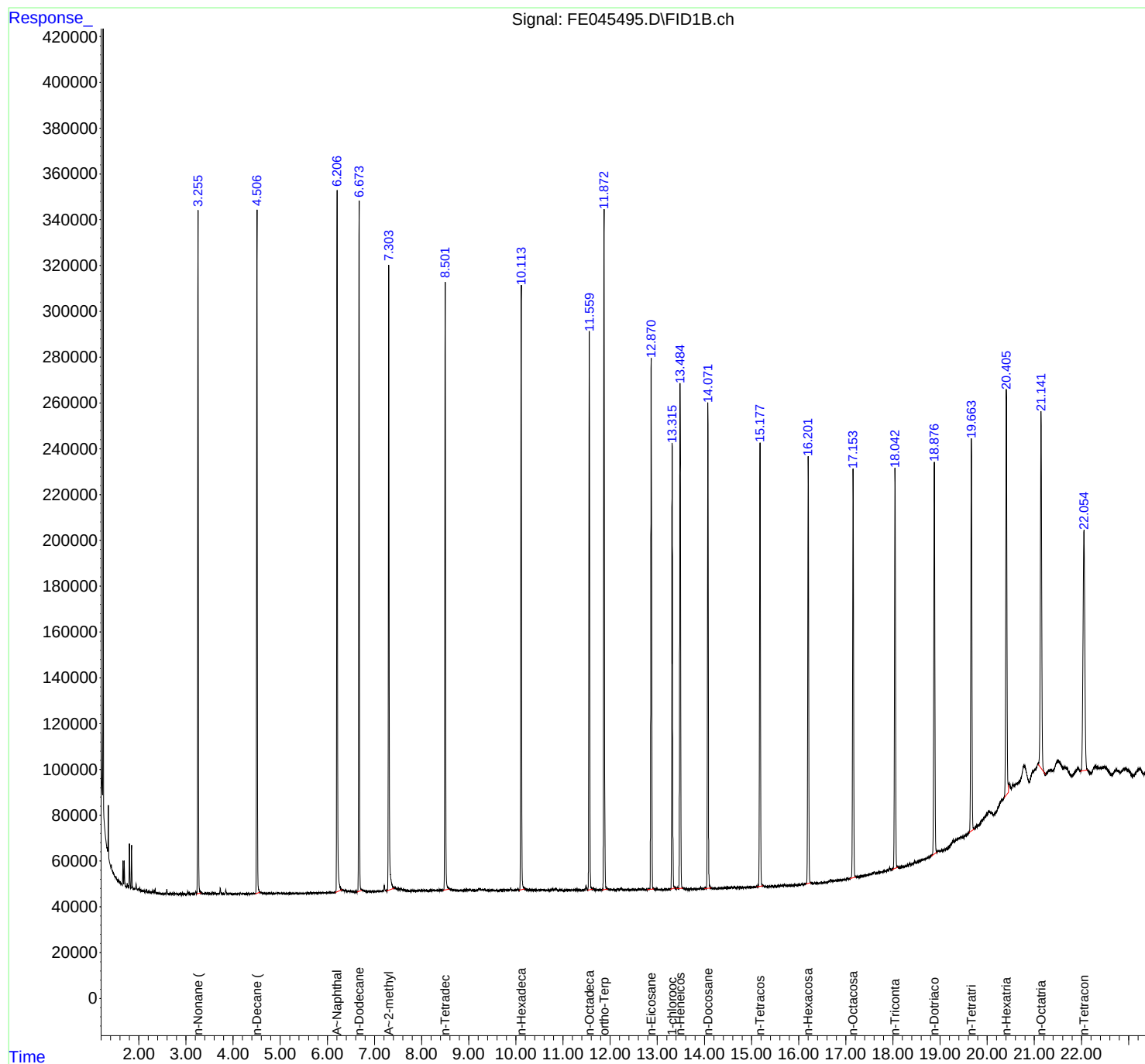
Instrument :
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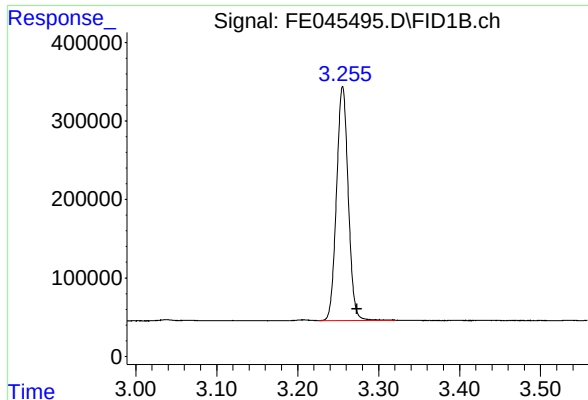
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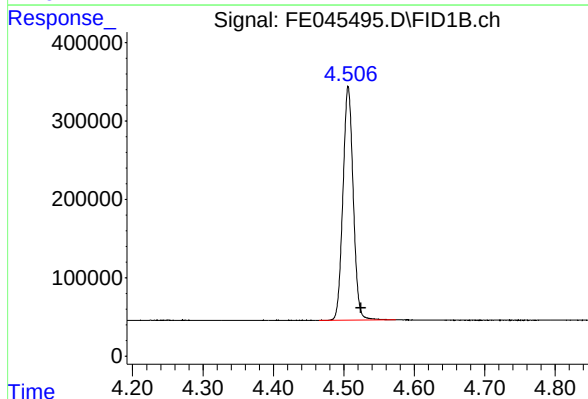
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: -0.017 min
Response: 2999034
Conc: 18.15 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

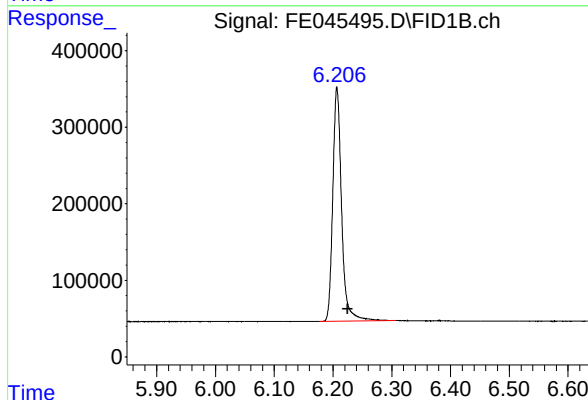
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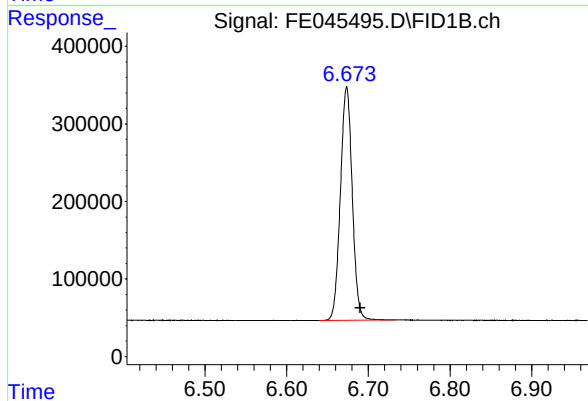
#2 n-Decane (C10)

R.T.: 4.506 min
Delta R.T.: -0.018 min
Response: 3020280
Conc: 18.01 ug/ml



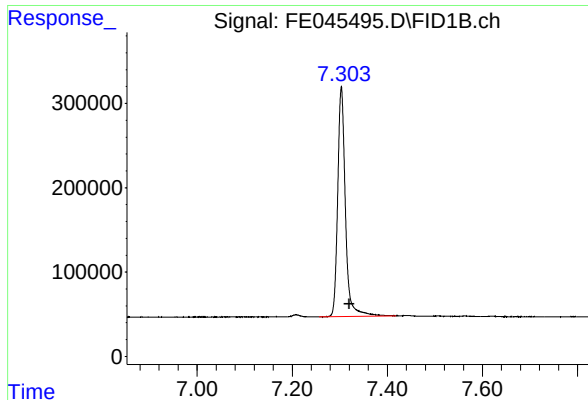
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: -0.018 min
Response: 3194953
Conc: 17.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.017 min
Response: 3039804
Conc: 18.00 ug/ml



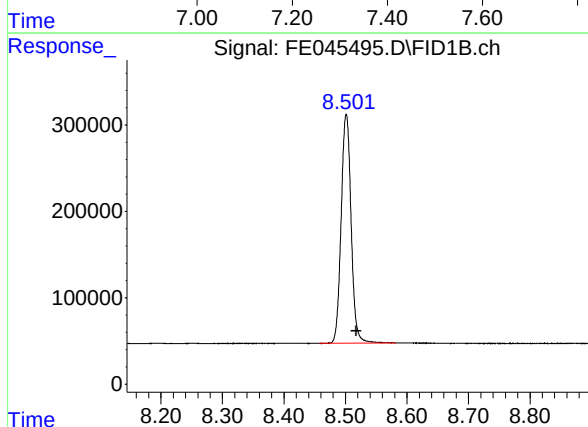
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.303 min
Delta R.T.: -0.017 min
Response: 3043182
Conc: 17.72 ug/ml

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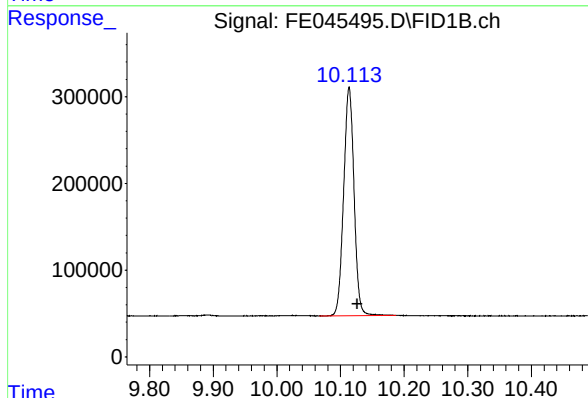
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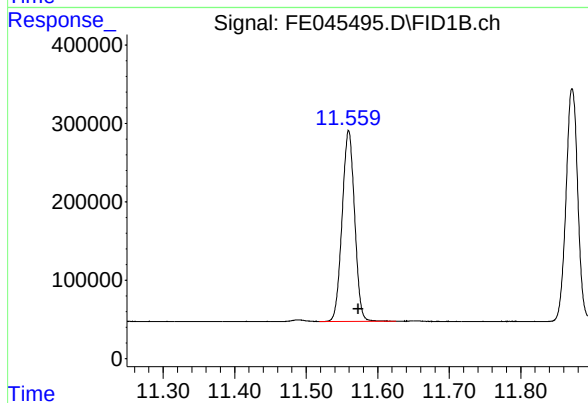
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.016 min
Response: 2980617
Conc: 17.88 ug/ml



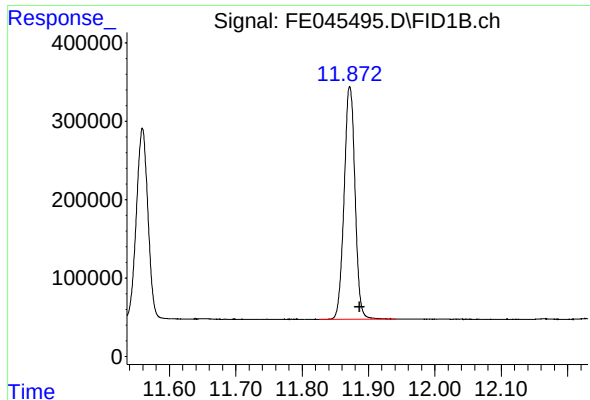
#7 n-Hexadecane (C16)

R.T.: 10.114 min
Delta R.T.: -0.013 min
Response: 2987055
Conc: 17.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.013 min
Response: 2957428
Conc: 17.67 ug/ml



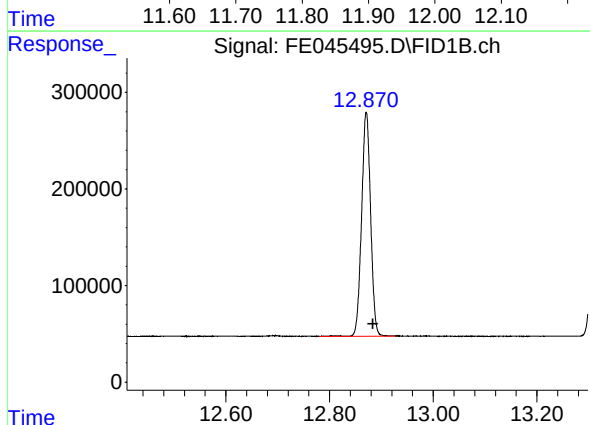
#9 ortho-Terphenyl (SURR)

R.T.: 11.872 min
Delta R.T.: -0.015 min
Response: 3393886
Conc: 17.78 ug/ml

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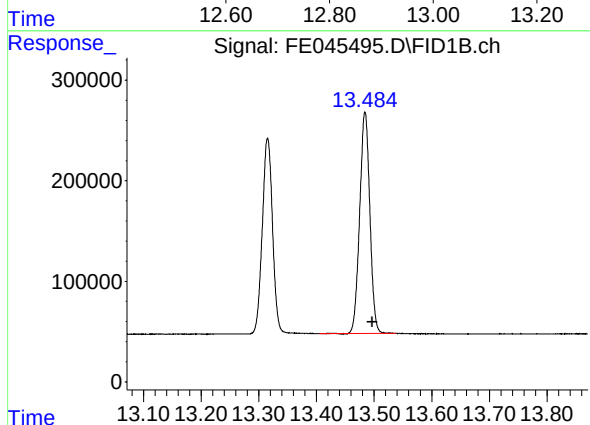
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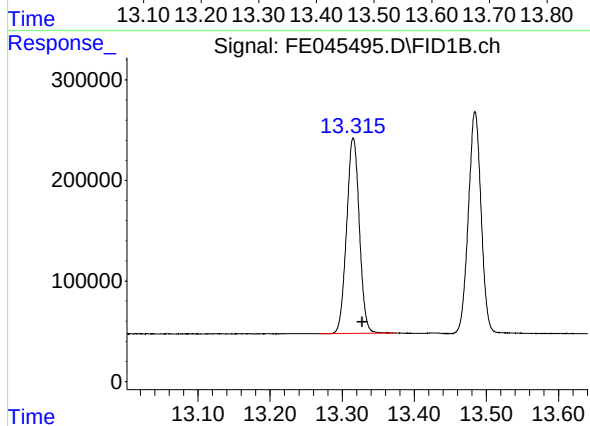
#10 n-Eicosane (C20)

R.T.: 12.871 min
Delta R.T.: -0.013 min
Response: 2797065
Conc: 17.66 ug/ml



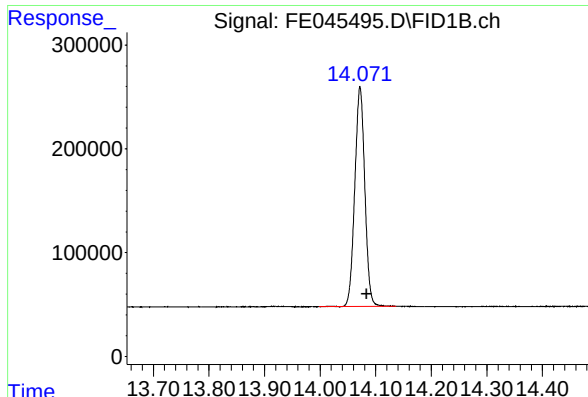
#11 n-Heneicosane (C21)

R.T.: 13.484 min
Delta R.T.: -0.012 min
Response: 2705733
Conc: 17.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.315 min
Delta R.T.: -0.013 min
Response: 2398475
Conc: 17.41 ug/ml



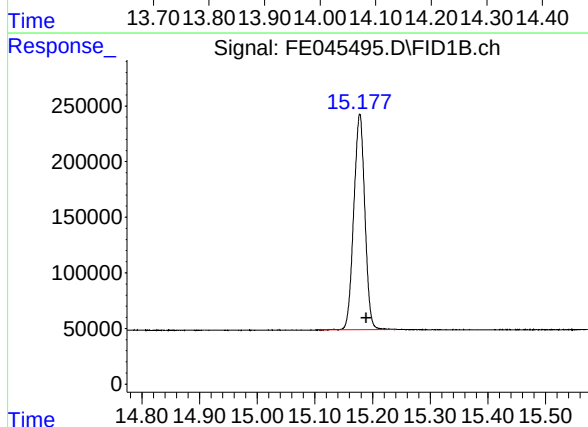
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.012 min
Response: 2657702
Conc: 17.54 ug/ml

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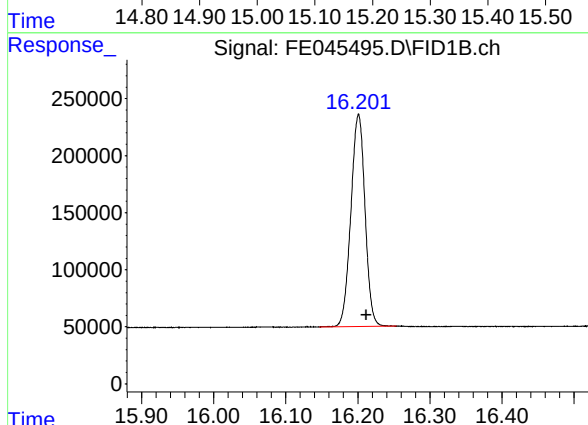
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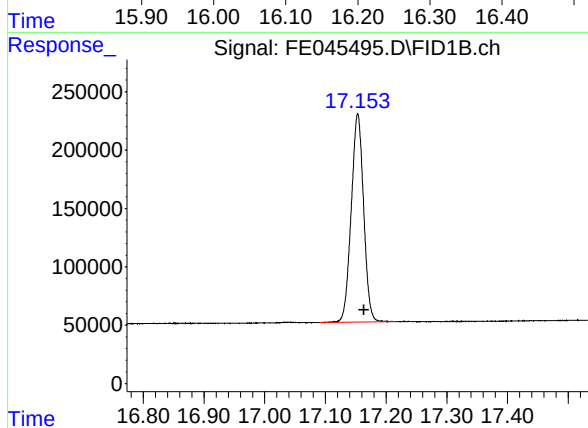
#14 n-Tetracosane (C24)

R.T.: 15.178 min
Delta R.T.: -0.011 min
Response: 2591883
Conc: 17.50 ug/ml



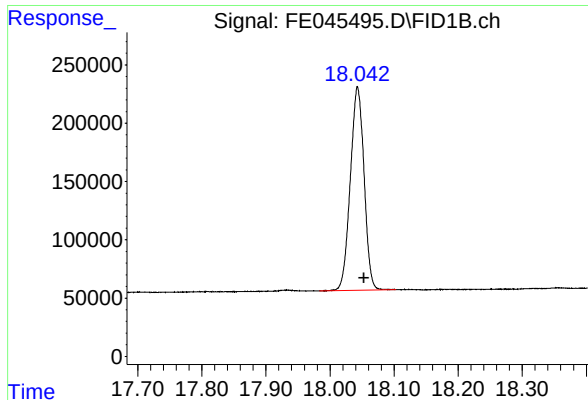
#15 n-Hexacosane (C26)

R.T.: 16.201 min
Delta R.T.: -0.011 min
Response: 2535961
Conc: 17.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.153 min
Delta R.T.: -0.010 min
Response: 2530598
Conc: 17.32 ug/ml



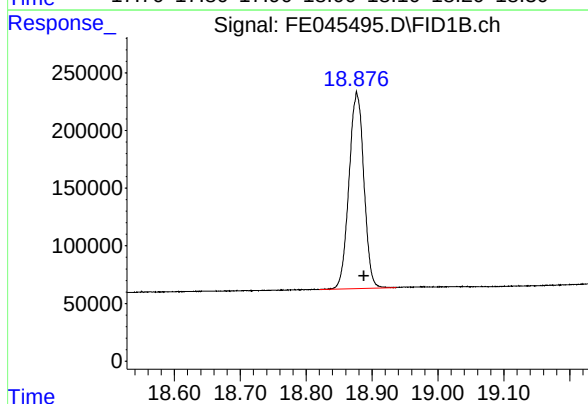
#17 n-Tricontane (C30)

R.T.: 18.043 min
Delta R.T.: -0.010 min
Response: 2592157
Conc: 17.07 ug/ml

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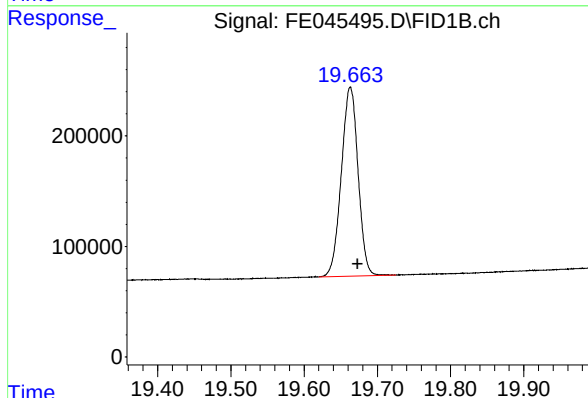
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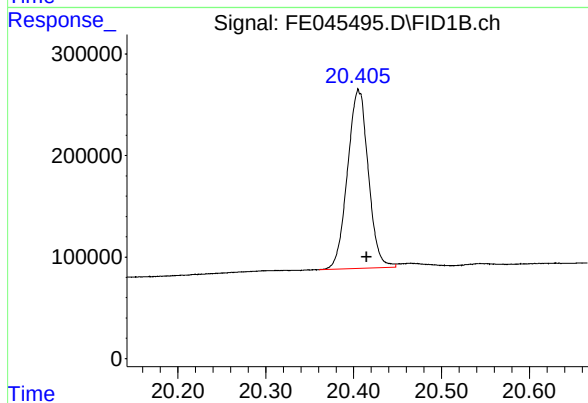
#18 n-Dotriacontane (C32)

R.T.: 18.877 min
Delta R.T.: -0.011 min
Response: 2663484
Conc: 17.05 ug/ml



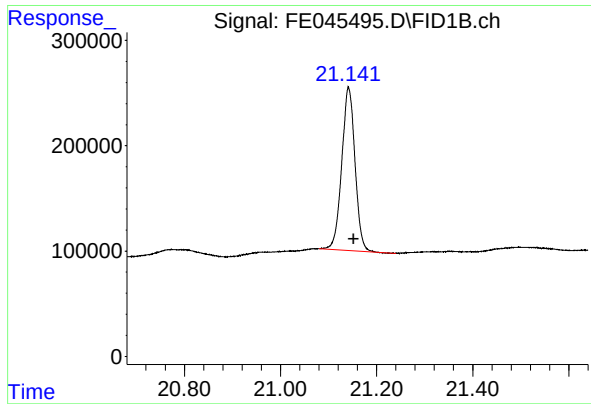
#19 n-Tetratriacontane (C34)

R.T.: 19.663 min
Delta R.T.: -0.010 min
Response: 2721359
Conc: 17.43 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.406 min
Delta R.T.: -0.009 min
Response: 2892463
Conc: 17.82 ug/ml



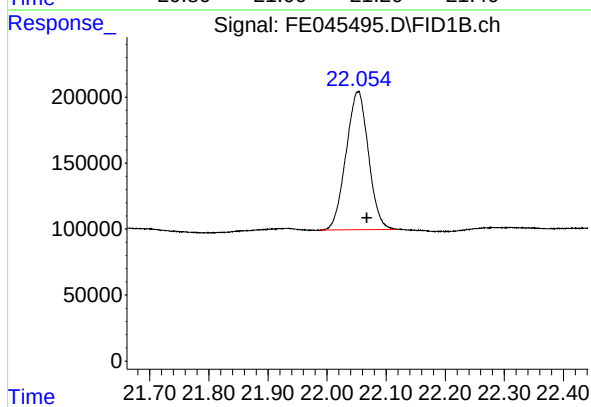
#21 n-Octatriacontane (C38)

R.T.: 21.142 min
Delta R.T.: -0.011 min
Response: 2965414
Conc: 17.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.054 min
Delta R.T.: -0.014 min
Response: 2757324
Conc: 16.14 ug/ml m