

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060925AL\
 Data File : FE054244.D
 Signal(s) : FID1B.ch
 Acq On : 09 Jun 2025 12:18
 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 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 03:07:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 2025
 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)	11.834	3302076	20.319 ug/ml
Spiked Amount 50.000		Recovery =	40.64%
12) S 1-chlorooctadecane (S...	13.279	2431170	20.508 ug/ml
Spiked Amount 50.000		Recovery =	41.02%
Target Compounds			
1) T n-Nonane (C9)	3.180	2354292	17.419 ug/ml
2) T n-Decane (C10)	4.444	2449429	18.126 ug/ml
3) T A~Naphthalene (C11.7)	6.159	2710978	18.864 ug/ml
4) T n-Dodecane (C12)	6.626	2552346	18.711 ug/ml
5) T A~2-methylnaphthalene...	7.261	2666635	19.225 ug/ml
6) T n-Tetradecane (C14)	8.460	2582227	19.135 ug/ml
7) T n-Hexadecane (C16)	10.072	2666303	19.760 ug/ml
8) T n-Octadecane (C18)	11.520	2696577	20.025 ug/ml
10) T n-Eicosane (C20)	12.834	2695910	20.512 ug/ml
11) T n-Heneicosane (C21)	13.447	2692890	20.771 ug/ml
13) T n-Docosane (C22)	14.035	2694637	21.122 ug/ml
14) T n-Tetracosane (C24)	15.139	2743682	21.929 ug/ml
15) T n-Hexacosane (C26)	16.163	2710998	22.139 ug/ml
16) T n-Octacosane (C28)	17.115	2695172	22.171 ug/ml
17) T n-Tricontane (C30)	18.006	2731859	21.931 ug/ml
18) T n-Dotriacontane (C32)	18.841	2669188	21.344 ug/ml
19) T n-Tetratriacontane (C34)	19.627	2342576	19.665 ug/ml
20) T n-Hexatriacontane (C36)	20.368	2047524	17.683 ug/ml
21) T n-Octatriacontane (C38)	21.095	1852284	17.021 ug/mlm
22) T n-Tetracontane (C40)	21.988	1644325	16.571 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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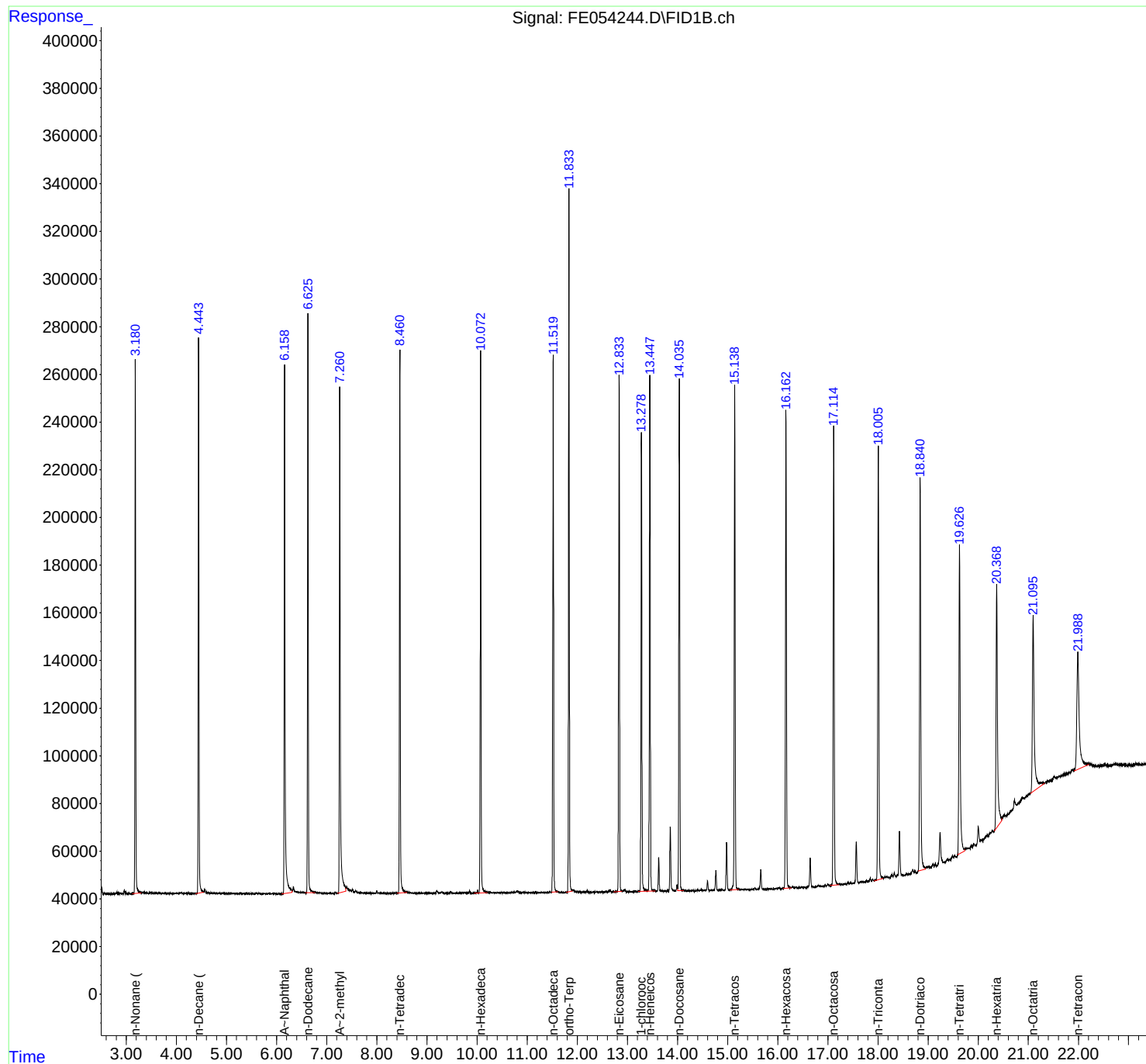
Instrument :
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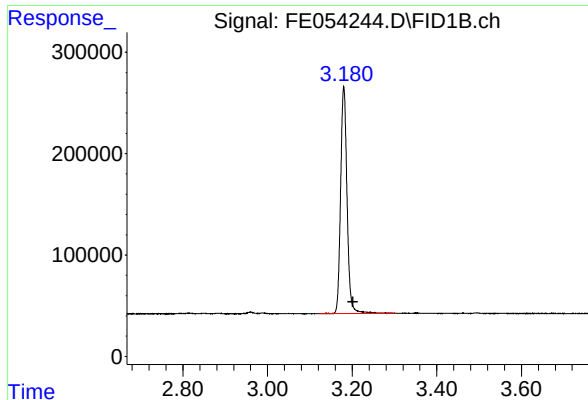
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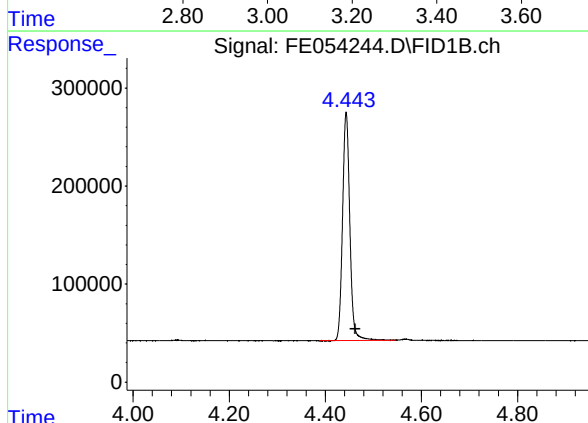
#1 n-Nonane (C9)

R.T.: 3.180 min
Delta R.T.: -0.022 min
Response: 2354292
Conc: 17.42 ug/ml

Instrument :
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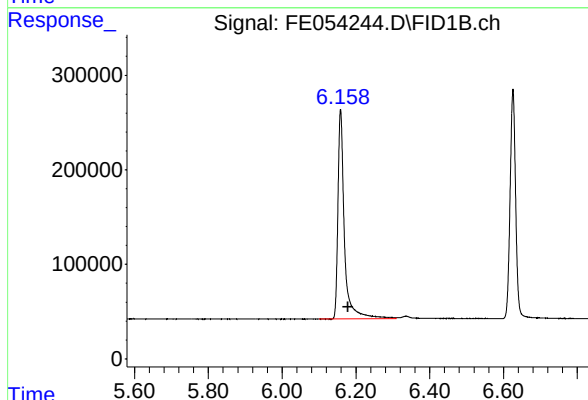
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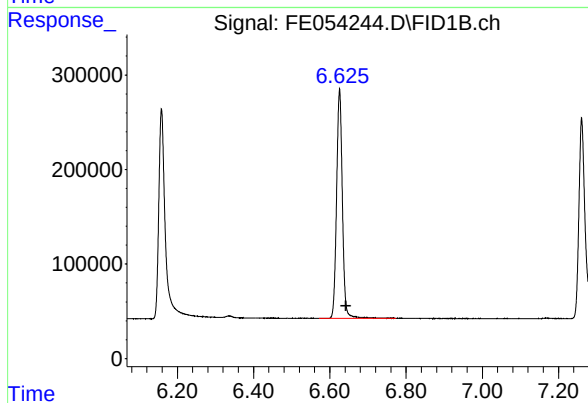
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: -0.019 min
Response: 2449429
Conc: 18.13 ug/ml



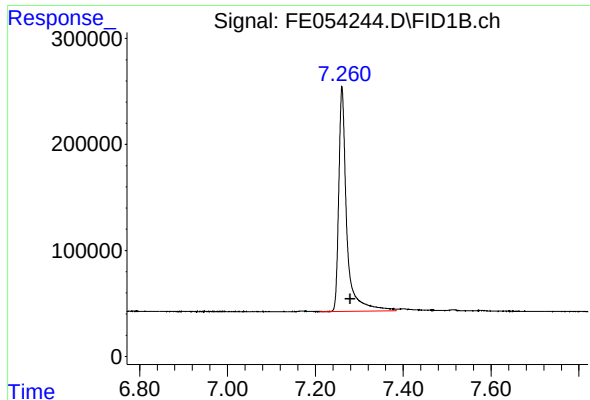
#3 A~Naphthalene (C11.7)

R.T.: 6.159 min
Delta R.T.: -0.020 min
Response: 2710978
Conc: 18.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.626 min
Delta R.T.: -0.017 min
Response: 2552346
Conc: 18.71 ug/ml



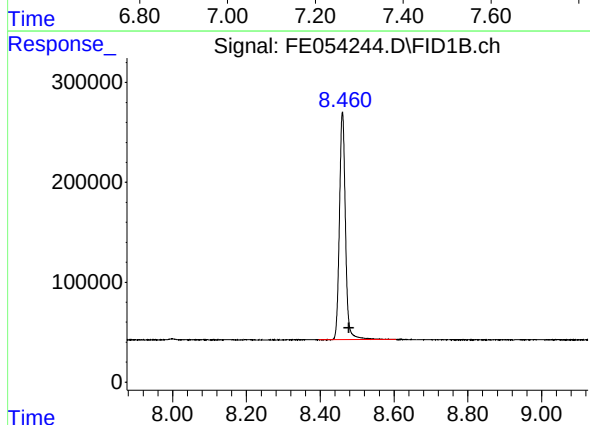
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.261 min
Delta R.T.: -0.019 min
Response: 2666635
Conc: 19.22 ug/ml

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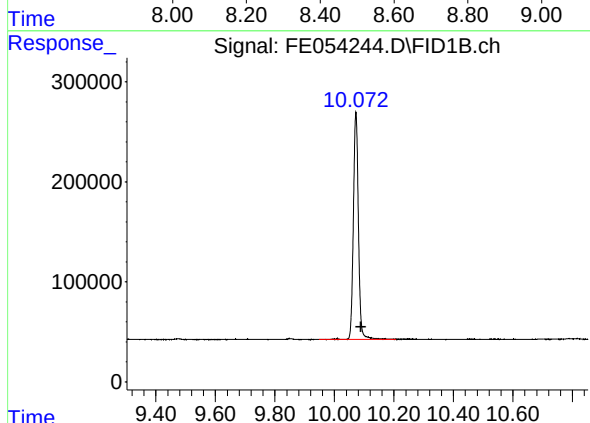
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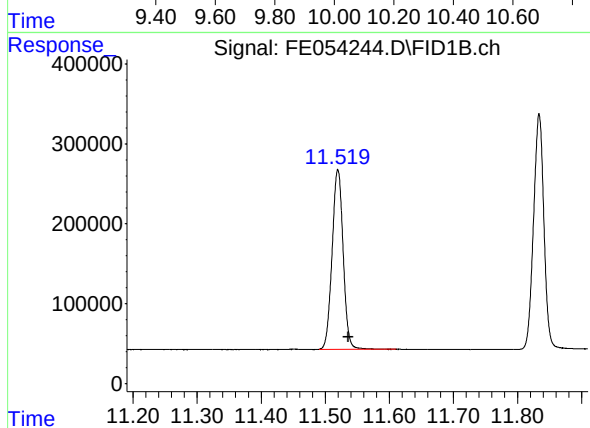
#6 n-Tetradecane (C14)

R.T.: 8.460 min
Delta R.T.: -0.017 min
Response: 2582227
Conc: 19.13 ug/ml



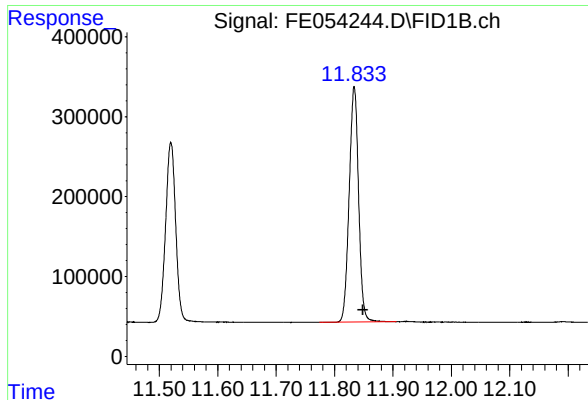
#7 n-Hexadecane (C16)

R.T.: 10.072 min
Delta R.T.: -0.017 min
Response: 2666303
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.520 min
Delta R.T.: -0.016 min
Response: 2696577
Conc: 20.03 ug/ml



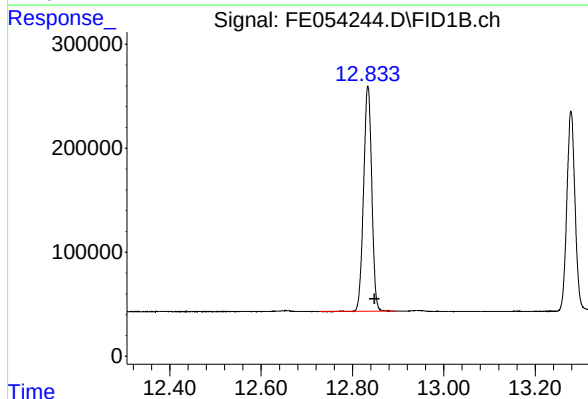
#9 ortho-Terphenyl (SURR)

R.T.: 11.834 min
Delta R.T.: -0.015 min
Response: 3302076
Conc: 20.32 ug/ml

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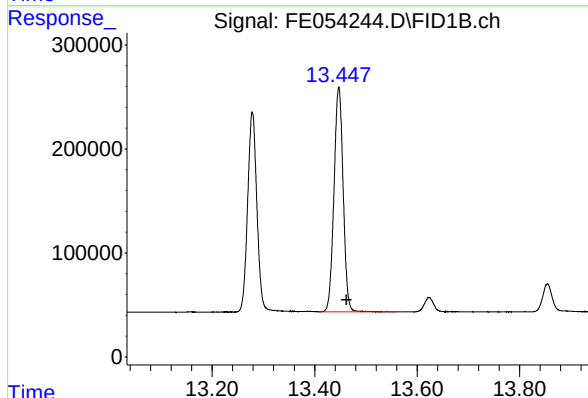
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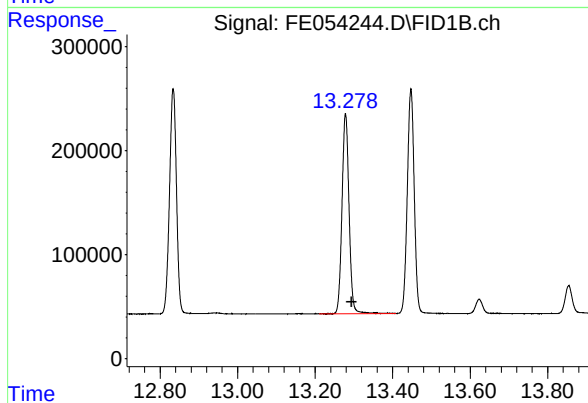
#10 n-Eicosane (C20)

R.T.: 12.834 min
Delta R.T.: -0.015 min
Response: 2695910
Conc: 20.51 ug/ml



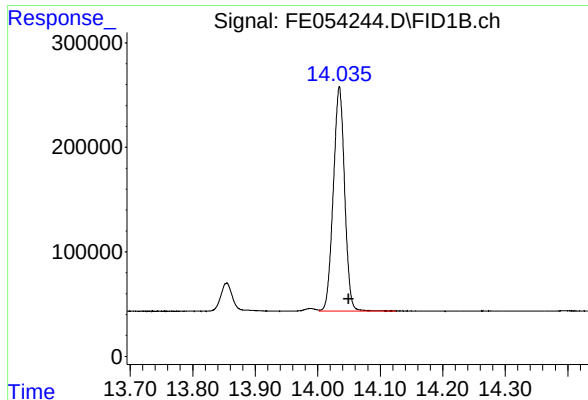
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: -0.015 min
Response: 2692890
Conc: 20.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.279 min
Delta R.T.: -0.016 min
Response: 2431170
Conc: 20.51 ug/ml



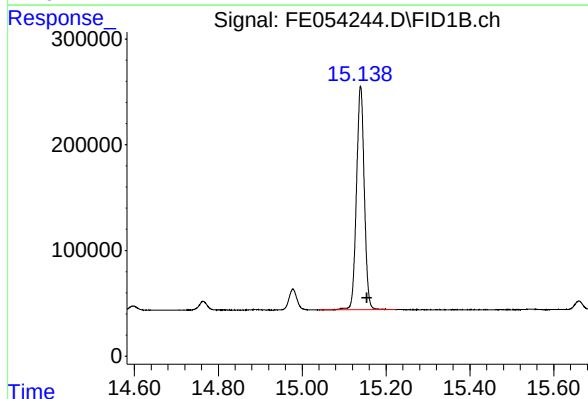
#13 n-Docosane (C22)

R.T.: 14.035 min
Delta R.T.: -0.015 min
Response: 2694637
Conc: 21.12 ug/ml

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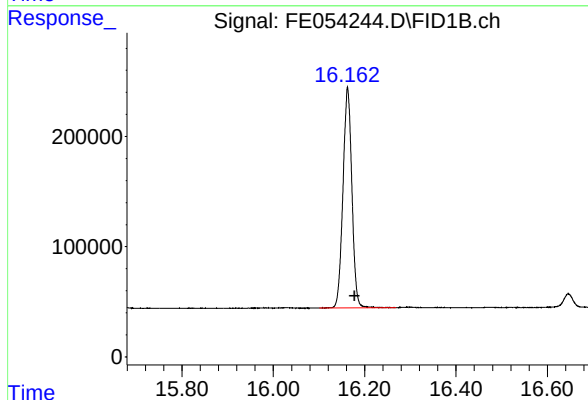
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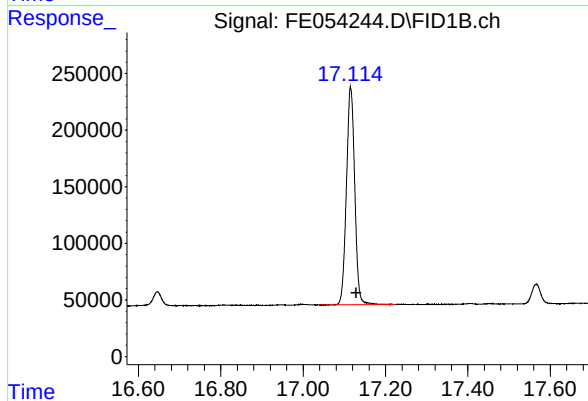
#14 n-Tetracosane (C24)

R.T.: 15.139 min
Delta R.T.: -0.015 min
Response: 2743682
Conc: 21.93 ug/ml



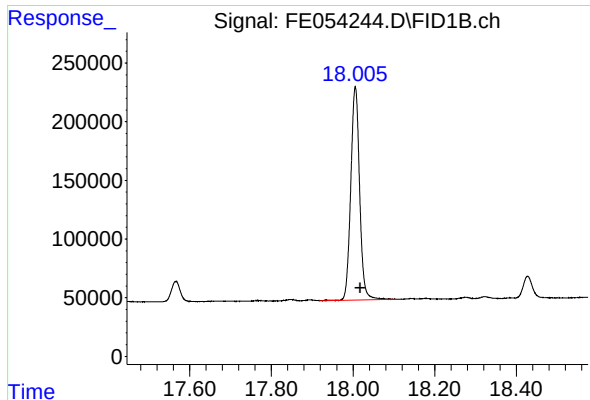
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.015 min
Response: 2710998
Conc: 22.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.115 min
Delta R.T.: -0.013 min
Response: 2695172
Conc: 22.17 ug/ml



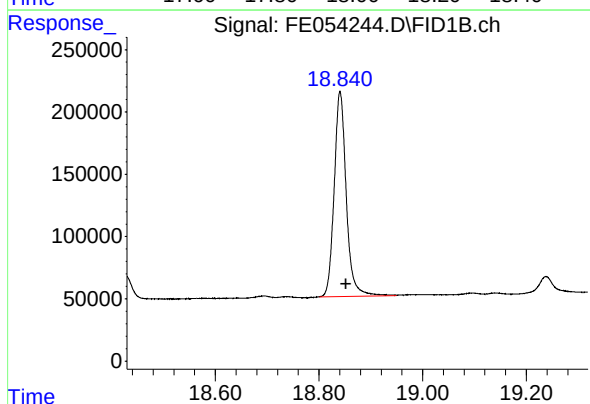
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.012 min
Response: 2731859
Conc: 21.93 ug/ml

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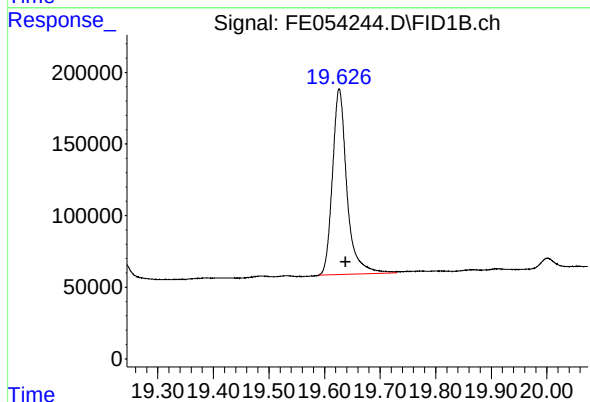
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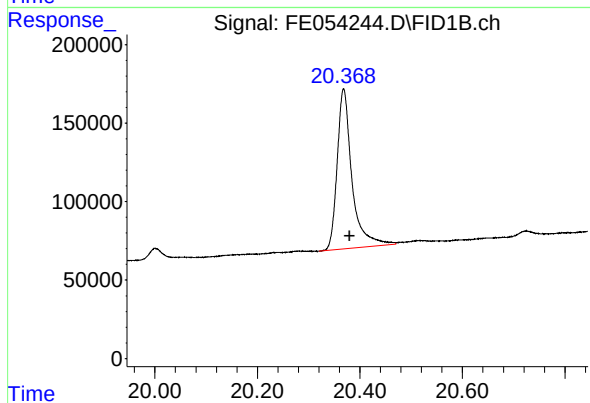
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.011 min
Response: 2669188
Conc: 21.34 ug/ml



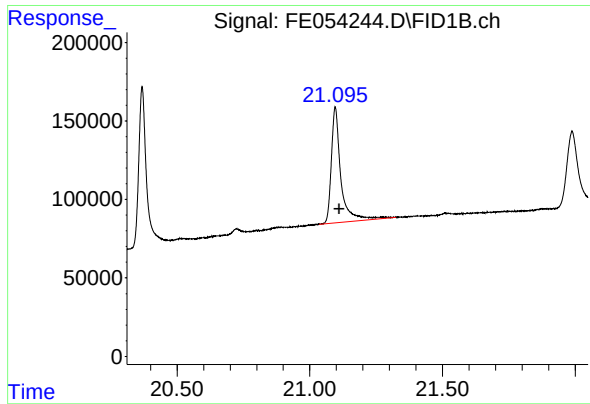
#19 n-Tetatriacontane (C34)

R.T.: 19.627 min
Delta R.T.: -0.011 min
Response: 2342576
Conc: 19.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.012 min
Response: 2047524
Conc: 17.68 ug/ml



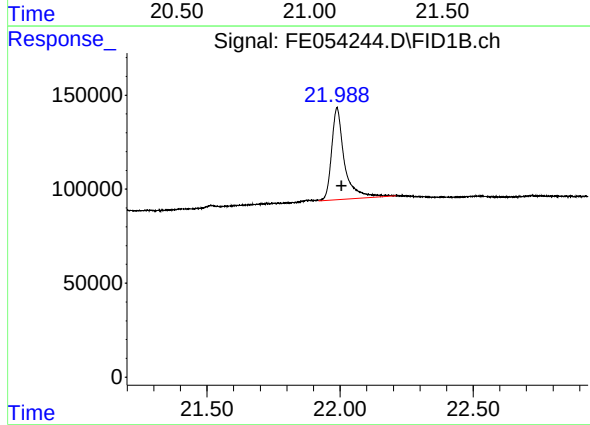
#21 n-Octatriacontane (C38)

R.T.: 21.095 min
Delta R.T.: -0.016 min
Response: 1852284
Conc: 17.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: -0.018 min
Response: 1644325
Conc: 16.57 ug/ml m