

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120922AL\
 Data File : FE039237.D
 Signal(s) : FID1B.ch
 Acq On : 10 Dec 2022 04:18
 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 12/12/2022
 Supervised By :Ankita Jodhani 12/12/2022

Integration File: autoint1.e
 Quant Time: Dec 11 02:59:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.936	3227857	20.633 ug/ml
Spiked Amount 50.000		Recovery =	41.27%
12) S 1-chlorooctadecane (S...	13.371	2473574	20.487 ug/ml
Spiked Amount 50.000		Recovery =	40.97%
Target Compounds			
1) T n-Nonane (C9)	3.333	2693522	19.002 ug/ml
2) T n-Decane (C10)	4.583	2648748	19.004 ug/ml
3) T A~Naphthalene (C11.7)	6.284	3067490	19.286 ug/ml
4) T n-Dodecane (C12)	6.745	2683135	19.035 ug/ml
5) T A~2-methylnaphthalene...	7.378	2885444	19.279 ug/ml
6) T n-Tetradecane (C14)	8.571	2751641	19.266 ug/ml
7) T n-Hexadecane (C16)	10.177	2876723	19.675 ug/ml
8) T n-Octadecane (C18)	11.619	2967853	20.169 ug/ml
10) T n-Eicosane (C20)	12.927	2918217	20.556 ug/ml
11) T n-Heneicosane (C21)	13.539	2943559	20.715 ug/mlm
13) T n-Docosane (C22)	14.124	2921999	20.903 ug/ml
14) T n-Tetracosane (C24)	15.227	2932188	21.232 ug/ml
15) T n-Hexacosane (C26)	16.248	2828719	21.060 ug/ml
16) T n-Octacosane (C28)	17.196	2812740	21.181 ug/ml
17) T n-Tricontane (C30)	18.084	2836671	21.480 ug/ml
18) T n-Dotriacontane (C32)	18.916	2841182	21.304 ug/ml
19) T n-Tetratriacontane (C34)	19.699	2701893	20.419 ug/mlm
20) T n-Hexatriacontane (C36)	20.440	2493526	19.409 ug/mlm
21) T n-Octatriacontane (C38)	21.177	2425917	18.513 ug/ml
22) T n-Tetracontane (C40)	22.091	2363577	17.358 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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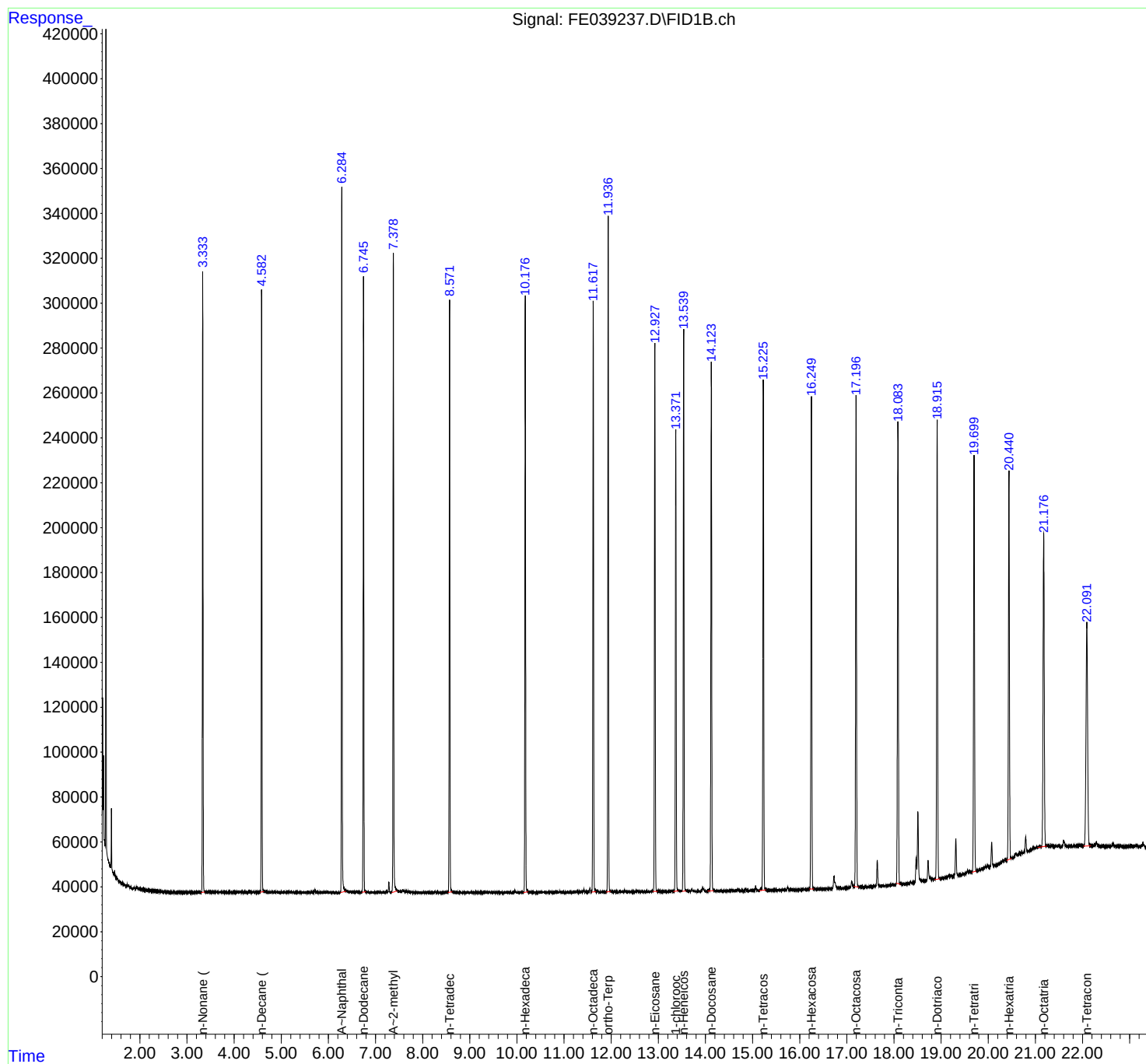
Instrument :
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20 PPM ALIPHATIC HC STD

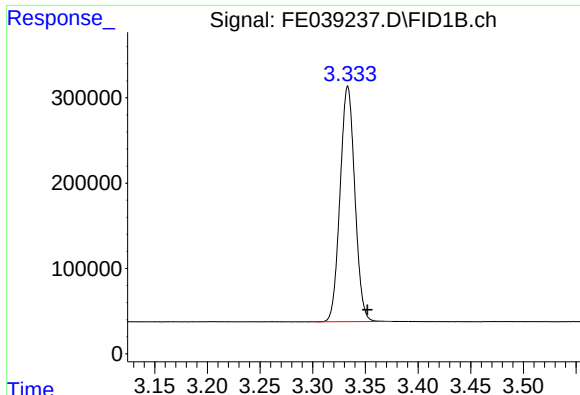
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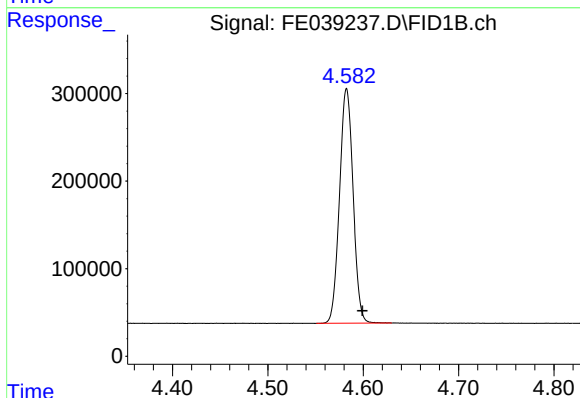
#1 n-Nonane (C9)

R.T.: 3.333 min
Delta R.T.: -0.019 min
Response: 2693522
Conc: 19.00 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

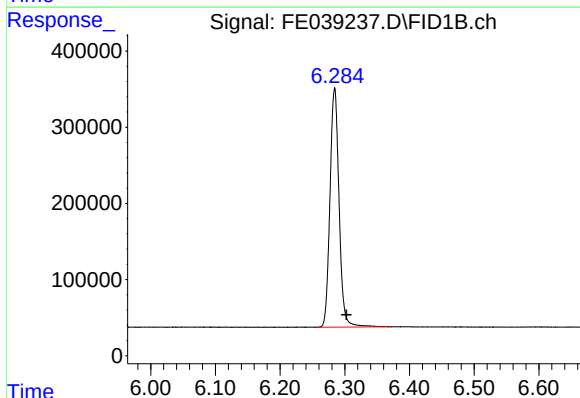
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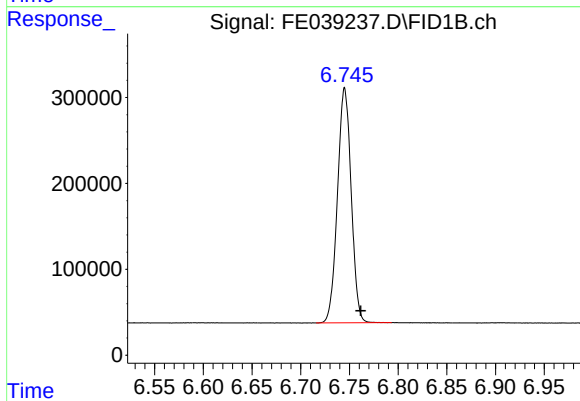
#2 n-Decane (C10)

R.T.: 4.583 min
Delta R.T.: -0.017 min
Response: 2648748
Conc: 19.00 ug/ml



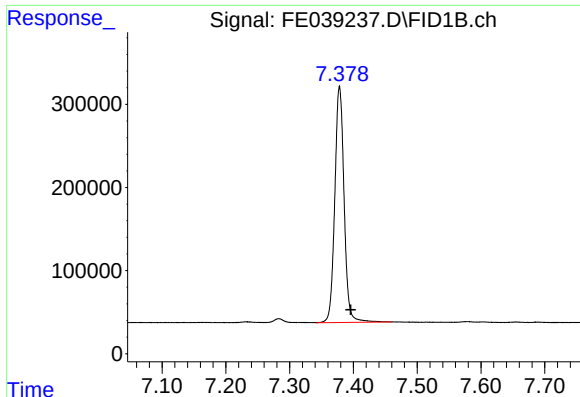
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: -0.018 min
Response: 3067490
Conc: 19.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.745 min
Delta R.T.: -0.016 min
Response: 2683135
Conc: 19.03 ug/ml



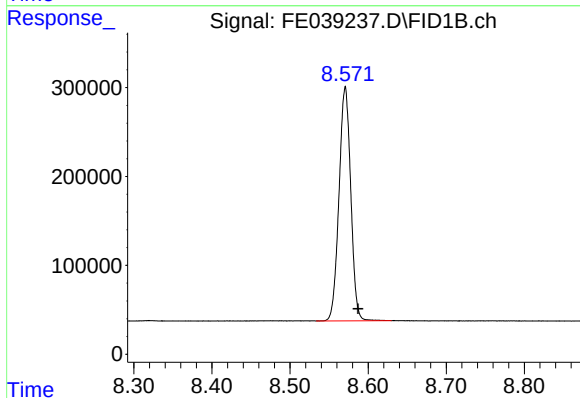
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.378 min
Delta R.T.: -0.018 min
Response: 2885444
Conc: 19.28 ug/ml

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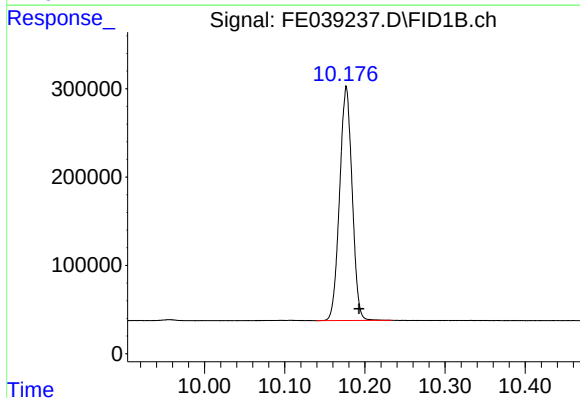
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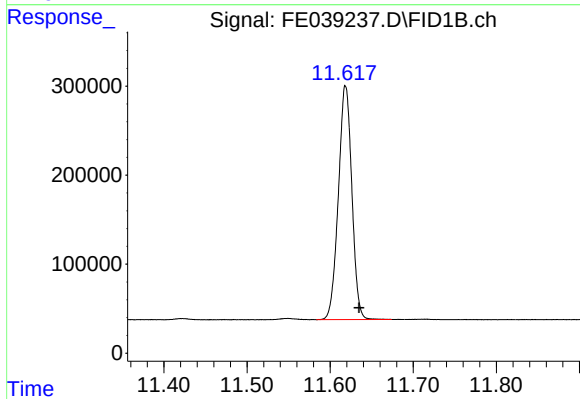
#6 n-Tetradecane (C14)

R.T.: 8.571 min
Delta R.T.: -0.016 min
Response: 2751641
Conc: 19.27 ug/ml



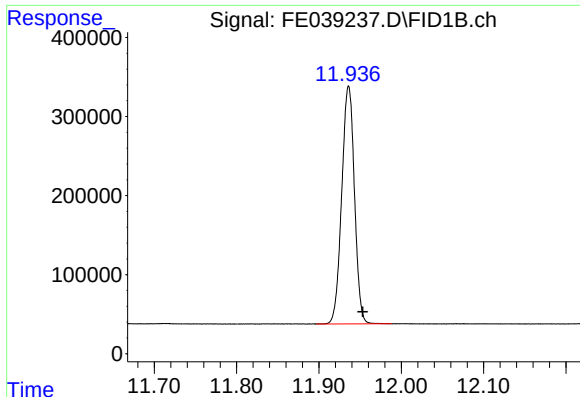
#7 n-Hexadecane (C16)

R.T.: 10.177 min
Delta R.T.: -0.016 min
Response: 2876723
Conc: 19.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.016 min
Response: 2967853
Conc: 20.17 ug/ml



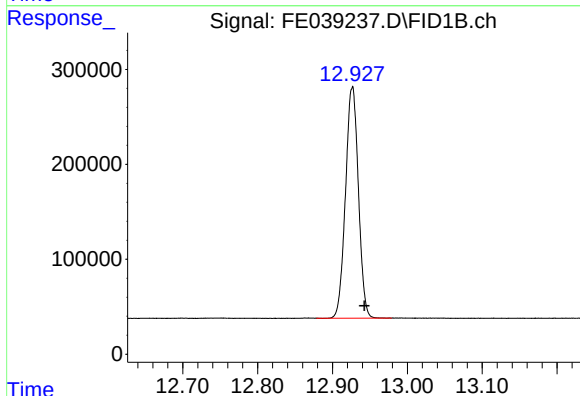
#9 ortho-Terphenyl (SURR)

R.T.: 11.936 min
Delta R.T.: -0.017 min
Response: 3227857
Conc: 20.63 ug/ml

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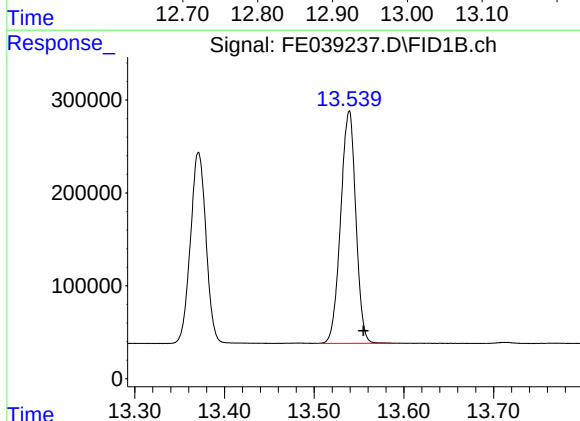
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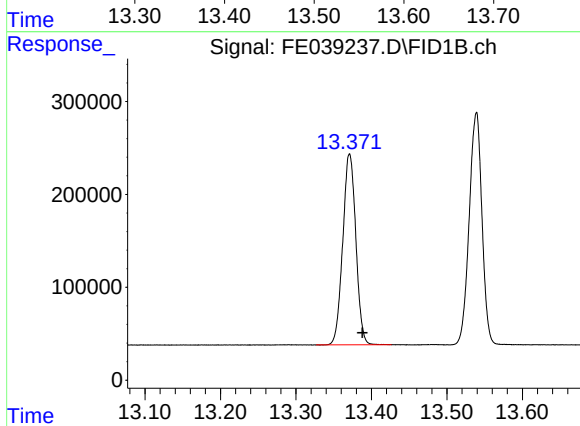
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: -0.016 min
Response: 2918217
Conc: 20.56 ug/ml



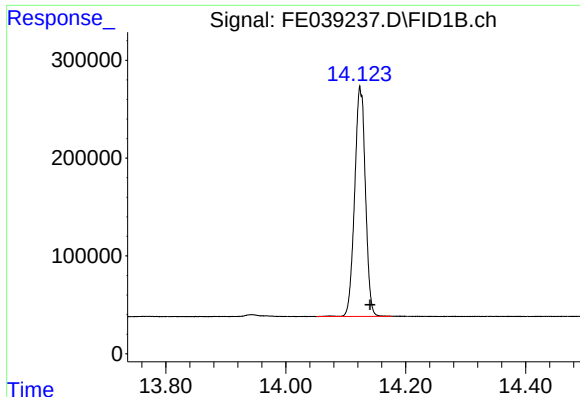
#11 n-Heneicosane (C21)

R.T.: 13.539 min
Delta R.T.: -0.016 min
Response: 2943559
Conc: 20.71 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.371 min
Delta R.T.: -0.017 min
Response: 2473574
Conc: 20.49 ug/ml



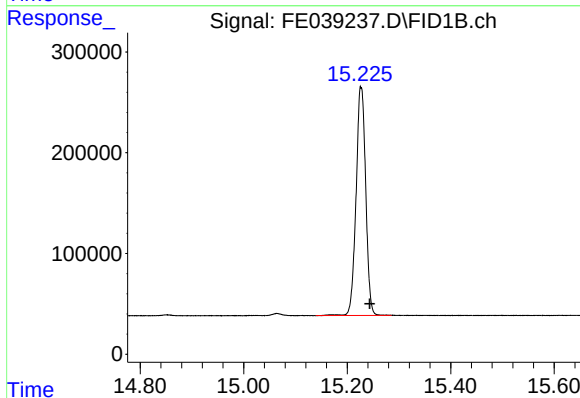
#13 n-Docosane (C22)

R.T.: 14.124 min
Delta R.T.: -0.017 min
Response: 2921999
Conc: 20.90 ug/ml

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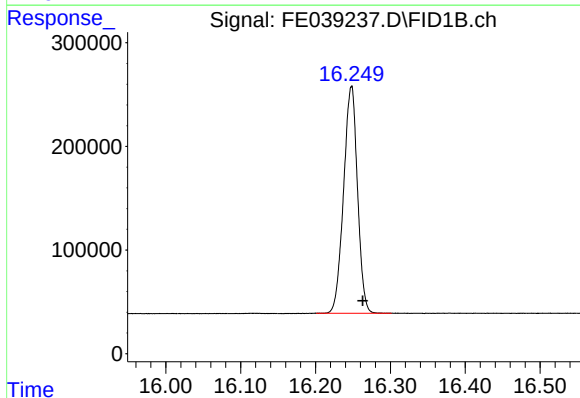
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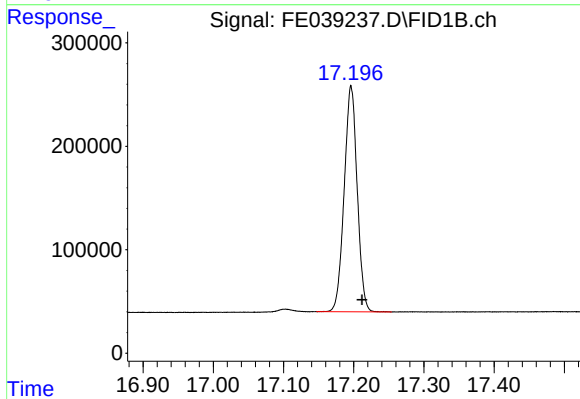
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: -0.017 min
Response: 2932188
Conc: 21.23 ug/ml



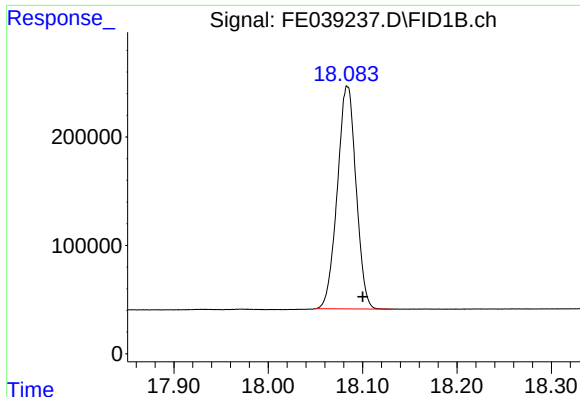
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.015 min
Response: 2828719
Conc: 21.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: -0.016 min
Response: 2812740
Conc: 21.18 ug/ml



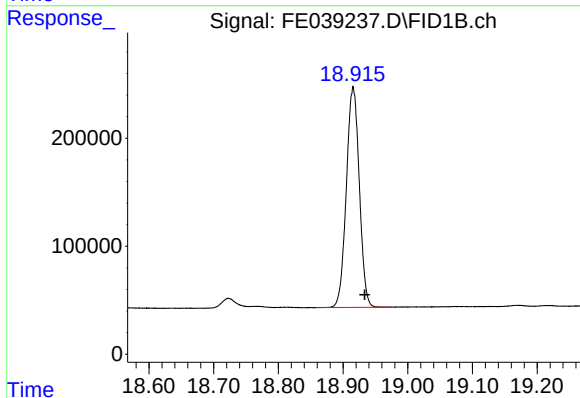
#17 n-Tricontane (C30)

R.T.: 18.084 min
Delta R.T.: -0.016 min
Response: 2836671
Conc: 21.48 ug/ml

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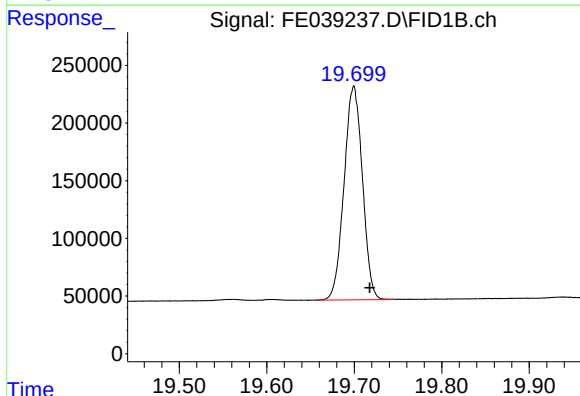
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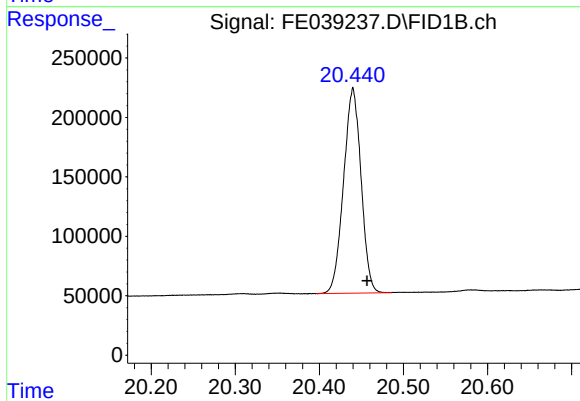
#18 n-Dotriacontane (C32)

R.T.: 18.916 min
Delta R.T.: -0.018 min
Response: 2841182
Conc: 21.30 ug/ml



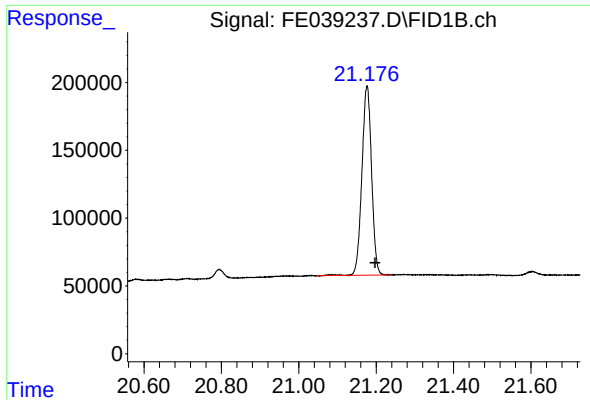
#19 n-Tetratriacontane (C34)

R.T.: 19.699 min
Delta R.T.: -0.018 min
Response: 2701893
Conc: 20.42 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.440 min
Delta R.T.: -0.017 min
Response: 2493526
Conc: 19.41 ug/ml m



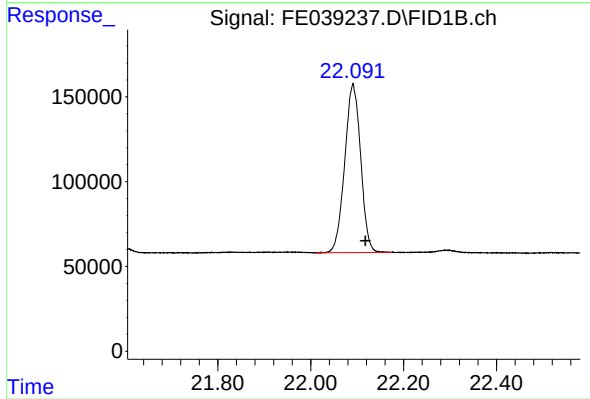
#21 n-Octatriacontane (C38)

R.T.: 21.177 min
Delta R.T.: -0.021 min
Response: 2425917
Conc: 18.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.091 min
Delta R.T.: -0.027 min
Response: 2363577
Conc: 17.36 ug/ml