

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060425AL\
 Data File : FE054170.D
 Signal(s) : FID1B.ch
 Acq On : 04 Jun 2025 12:51
 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 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File: autoint1.e
 Quant Time: Jun 05 06:25:52 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)	11.836	3045163	18.738 ug/ml
Spiked Amount 50.000		Recovery =	37.48%
12) S 1-chlorooctadecane (S...	13.281	2279852	19.231 ug/ml
Spiked Amount 50.000		Recovery =	38.46%
Target Compounds			
1) T n-Nonane (C9)	3.184	2213663	16.379 ug/ml
2) T n-Decane (C10)	4.447	2221502	16.440 ug/ml
3) T A~Naphthalene (C11.7)	6.163	2448387	17.036 ug/ml
4) T n-Dodecane (C12)	6.628	2309357	16.930 ug/ml
5) T A~2-methylnaphthalene...	7.265	2441811	17.604 ug/ml
6) T n-Tetradecane (C14)	8.463	2357551	17.470 ug/ml
7) T n-Hexadecane (C16)	10.076	2439882	18.082 ug/ml
8) T n-Octadecane (C18)	11.523	2482891	18.438 ug/ml
10) T n-Eicosane (C20)	12.836	2466679	18.768 ug/ml
11) T n-Heneicosane (C21)	13.450	2457650	18.957 ug/ml
13) T n-Docosane (C22)	14.037	2432825	19.070 ug/ml
14) T n-Tetracosane (C24)	15.143	2397603	19.163 ug/ml
15) T n-Hexacosane (C26)	16.165	2336891	19.084 ug/ml
16) T n-Octacosane (C28)	17.117	2291936	18.854 ug/ml
17) T n-Tricontane (C30)	18.006	2344420	18.821 ug/mlm
18) T n-Dotriacontane (C32)	18.840	2364640	18.909 ug/ml
19) T n-Tetratriacontane (C34)	19.625	2298001	19.291 ug/ml
20) T n-Hexatriacontane (C36)	20.366	2396169	20.695 ug/ml
21) T n-Octatriacontane (C38)	21.096	2405832	22.107 ug/ml
22) T n-Tetracontane (C40)	21.989	2368450	23.868 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

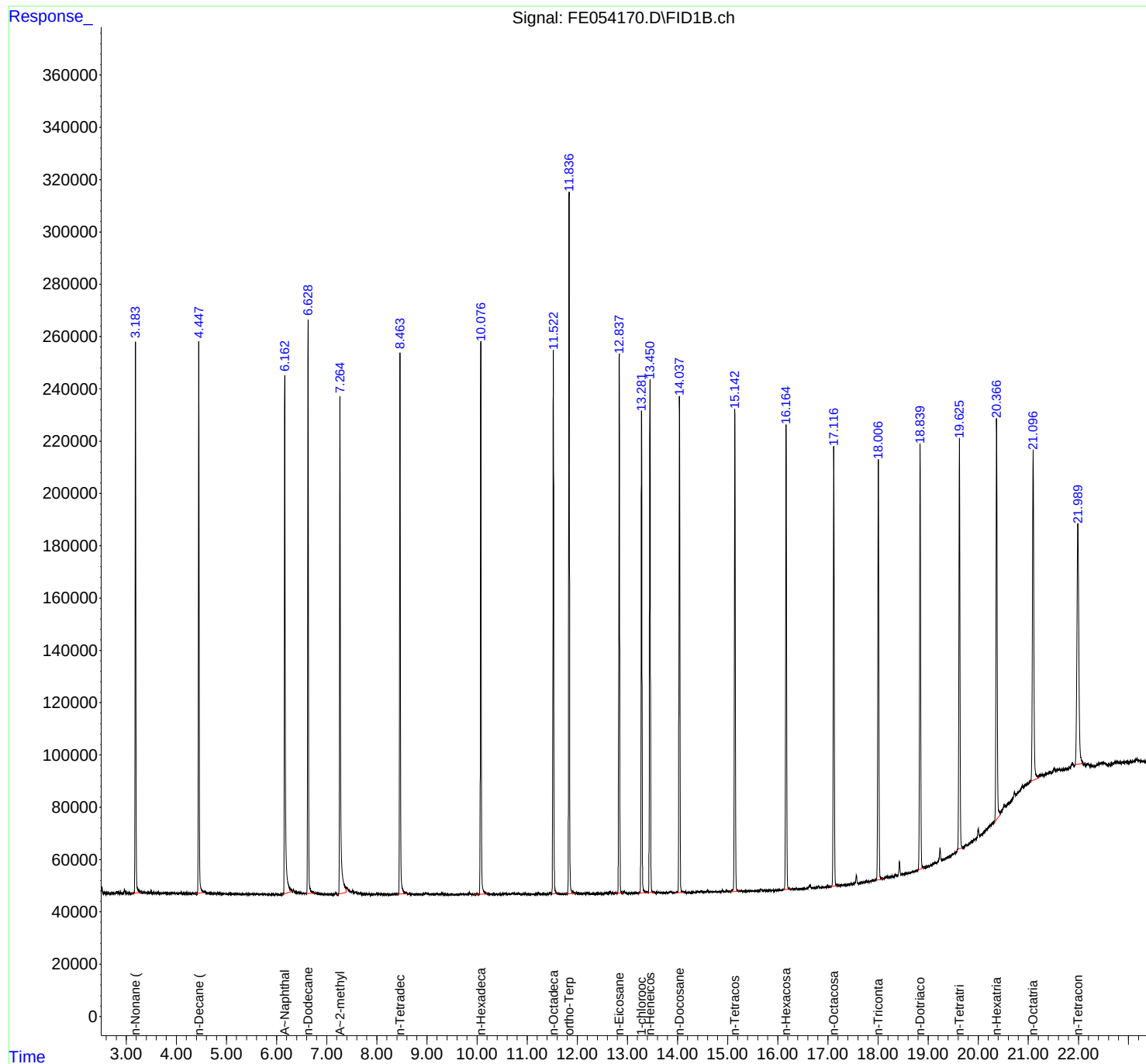
Instrument :
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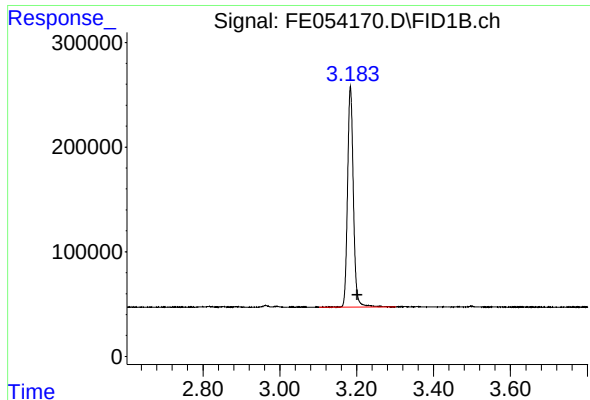
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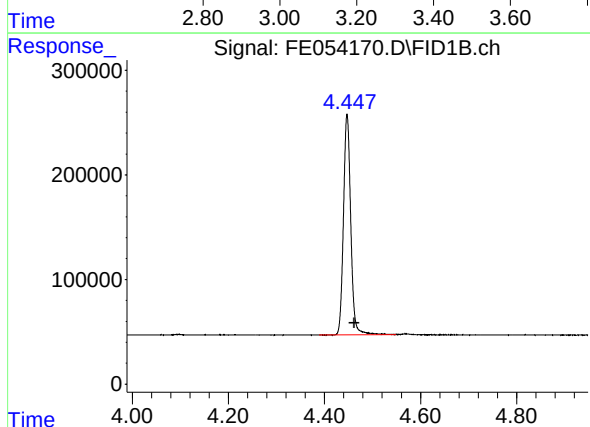
#1 n-Nonane (C9)

R.T.: 3.184 min
Delta R.T.: -0.018 min
Response: 2213663
Conc: 16.38 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

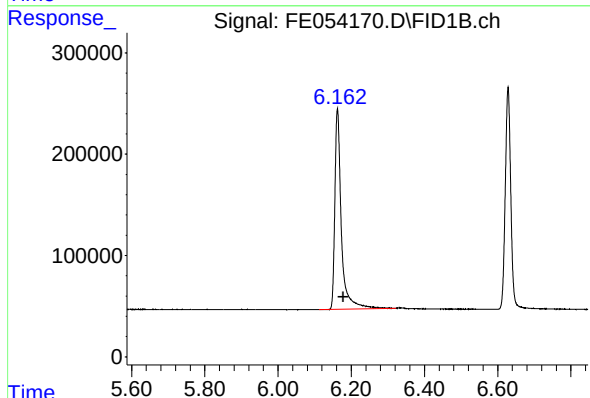
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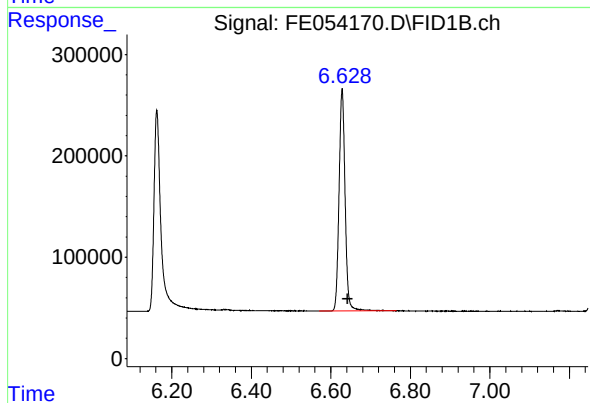
#2 n-Decane (C10)

R.T.: 4.447 min
Delta R.T.: -0.015 min
Response: 2221502
Conc: 16.44 ug/ml



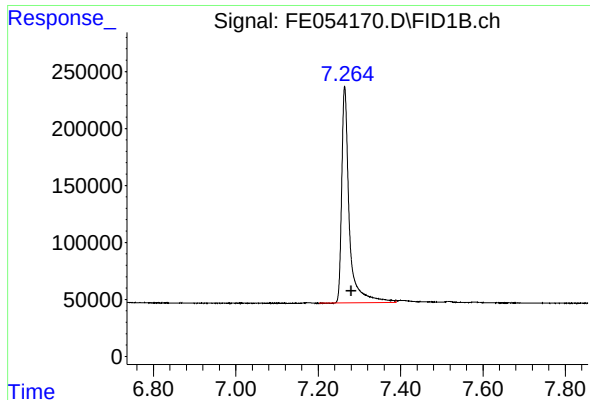
#3 A~Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: -0.016 min
Response: 2448387
Conc: 17.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.628 min
Delta R.T.: -0.014 min
Response: 2309357
Conc: 16.93 ug/ml



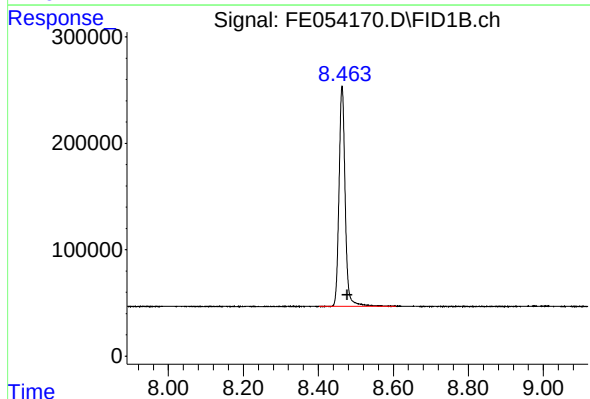
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.265 min
Delta R.T.: -0.016 min
Response: 2441811
Conc: 17.60 ug/ml

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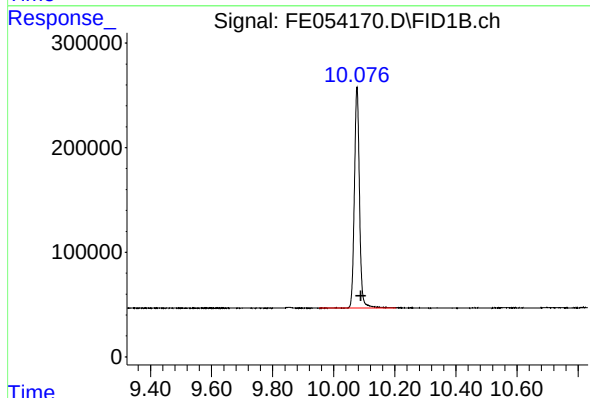
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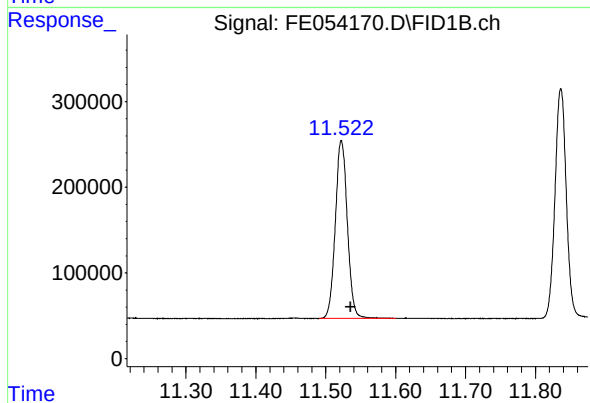
#6 n-Tetradecane (C14)

R.T.: 8.463 min
Delta R.T.: -0.014 min
Response: 2357551
Conc: 17.47 ug/ml



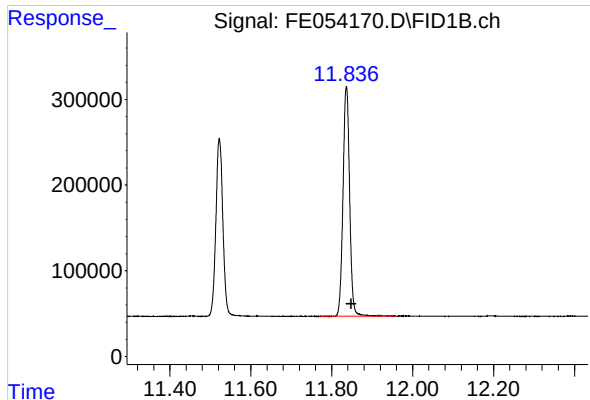
#7 n-Hexadecane (C16)

R.T.: 10.076 min
Delta R.T.: -0.014 min
Response: 2439882
Conc: 18.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.523 min
Delta R.T.: -0.013 min
Response: 2482891
Conc: 18.44 ug/ml



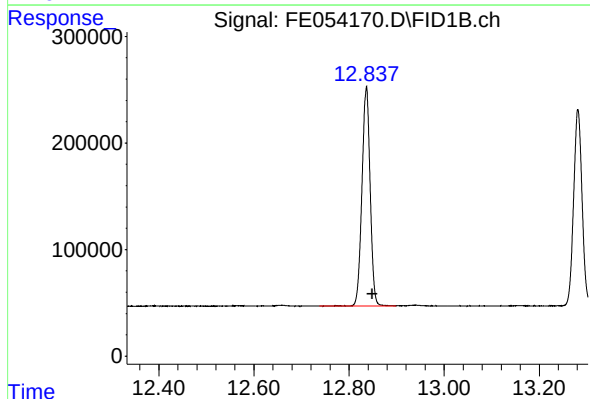
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min
Delta R.T.: -0.012 min
Response: 3045163
Conc: 18.74 ug/ml

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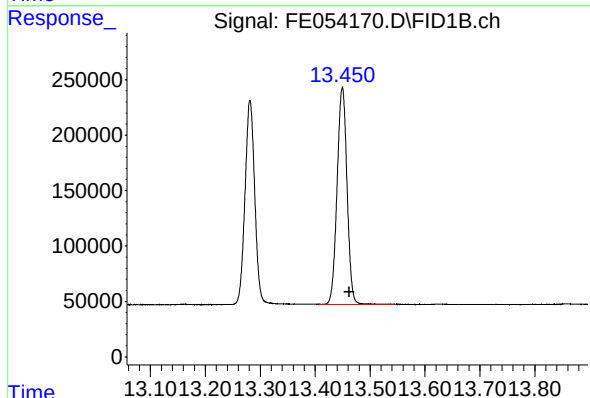
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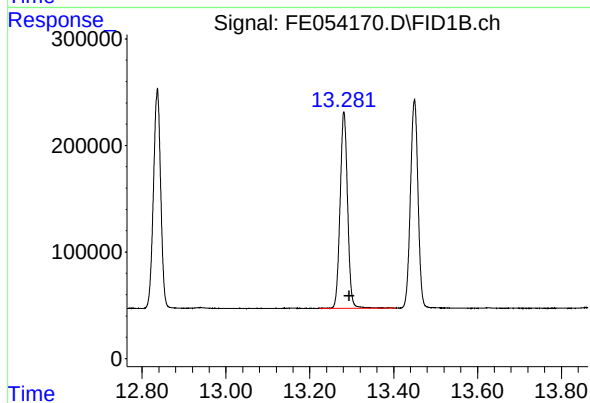
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.012 min
Response: 2466679
Conc: 18.77 ug/ml



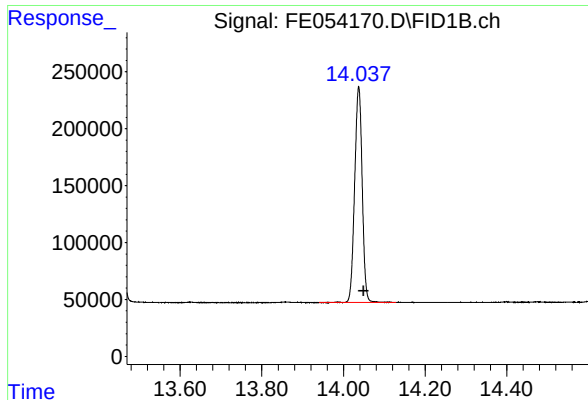
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: -0.013 min
Response: 2457650
Conc: 18.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.281 min
Delta R.T.: -0.013 min
Response: 2279852
Conc: 19.23 ug/ml



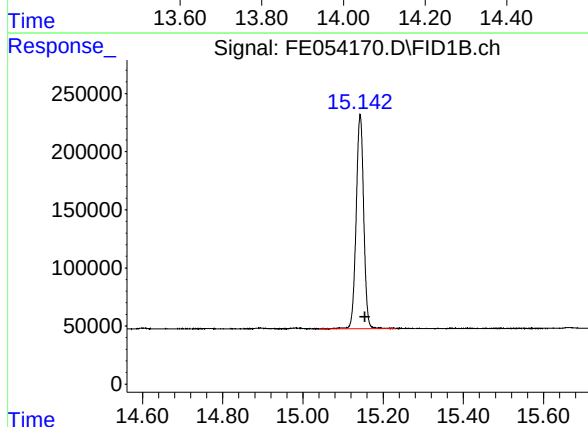
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: -0.012 min
Response: 2432825
Conc: 19.07 ug/ml

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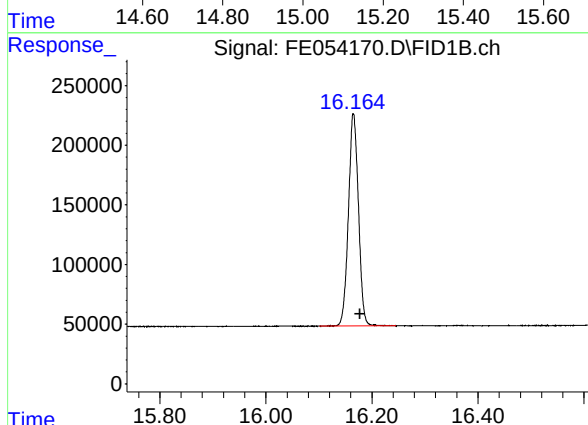
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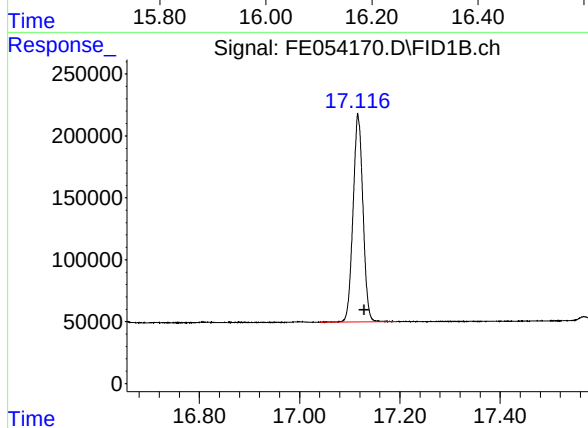
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: -0.012 min
Response: 2397603
Conc: 19.16 ug/ml



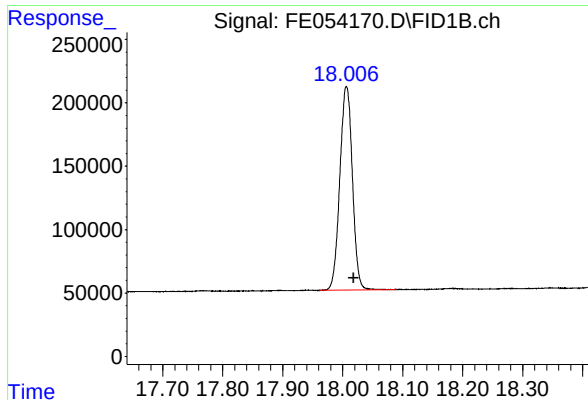
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.012 min
Response: 2336891
Conc: 19.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.012 min
Response: 2291936
Conc: 18.85 ug/ml



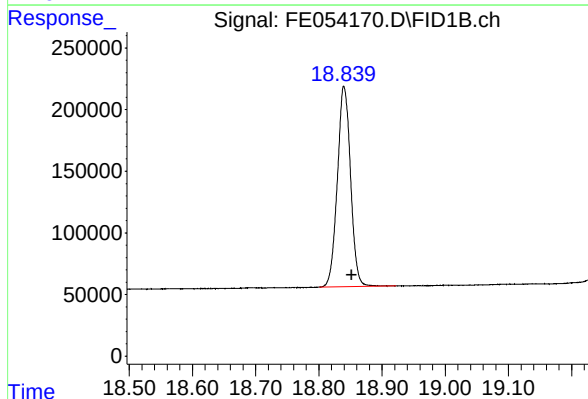
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.012 min
Response: 2344420
Conc: 18.82 ug/ml

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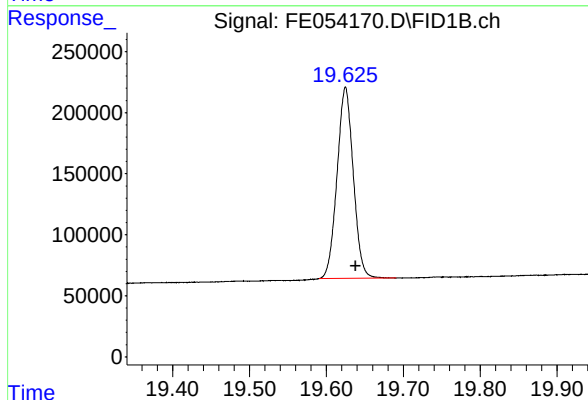
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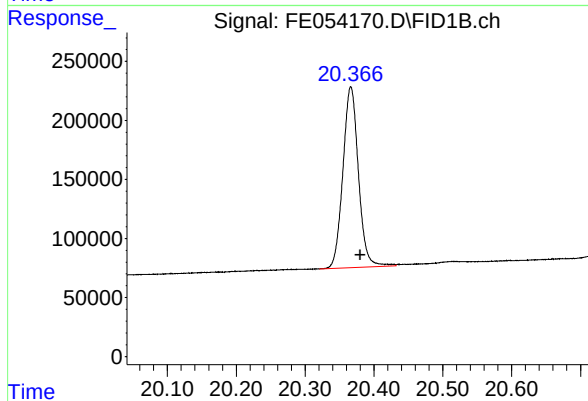
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.012 min
Response: 2364640
Conc: 18.91 ug/ml



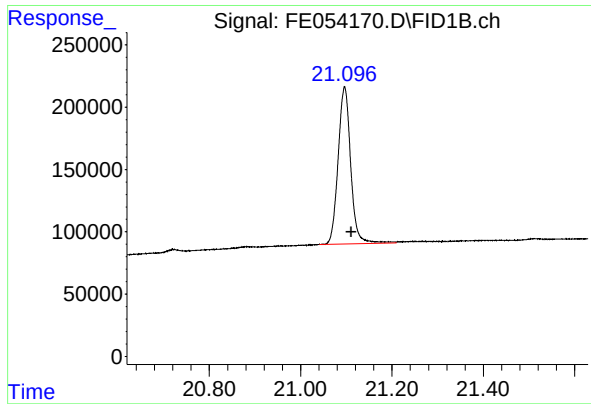
#19 n-Tetratriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.013 min
Response: 2298001
Conc: 19.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.366 min
Delta R.T.: -0.014 min
Response: 2396169
Conc: 20.69 ug/ml



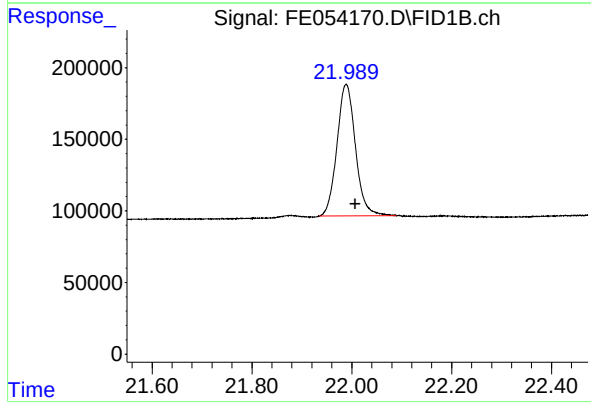
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.015 min
Response: 2405832
Conc: 22.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.989 min
Delta R.T.: -0.018 min
Response: 2368450
Conc: 23.87 ug/ml m