

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052725AL\
 Data File : FE054036.D
 Signal(s) : FID1B.ch
 Acq On : 27 May 2025 23:53
 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 05/28/2025
 Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e
 Quant Time: May 28 06:57:35 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)	11.843	3241602	19.947 ug/ml
Spiked Amount 50.000		Recovery =	39.89%
12) S 1-chlorooctadecane (S...	13.288	2395352	20.206 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
Target Compounds			
1) T n-Nonane (C9)	3.191	2458794	18.193 ug/ml
2) T n-Decane (C10)	4.454	2505326	18.540 ug/ml
3) T A~Naphthalene (C11.7)	6.168	2754669	19.168 ug/ml
4) T n-Dodecane (C12)	6.635	2571813	18.854 ug/ml
5) T A~2-methylnaphthalene...	7.270	2670356	19.252 ug/mlm
6) T n-Tetradecane (C14)	8.470	2598255	19.254 ug/ml
7) T n-Hexadecane (C16)	10.082	2662073	19.729 ug/ml
8) T n-Octadecane (C18)	11.529	2663321	19.778 ug/ml
10) T n-Eicosane (C20)	12.842	2630482	20.015 ug/ml
11) T n-Heneicosane (C21)	13.455	2602732	20.076 ug/ml
13) T n-Docosane (C22)	14.044	2578523	20.212 ug/ml
14) T n-Tetracosane (C24)	15.149	2537711	20.283 ug/ml
15) T n-Hexacosane (C26)	16.172	2494435	20.371 ug/ml
16) T n-Octacosane (C28)	17.124	2491164	20.493 ug/ml
17) T n-Tricontane (C30)	18.013	2579685	20.710 ug/mlm
18) T n-Dotriacontane (C32)	18.847	2619534	20.947 ug/ml
19) T n-Tetratriacontane (C34)	19.632	2529062	21.231 ug/ml
20) T n-Hexatriacontane (C36)	20.373	2516081	21.730 ug/ml
21) T n-Octatriacontane (C38)	21.102	2441504	22.435 ug/ml
22) T n-Tetracontane (C40)	21.997	2385000	24.035 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

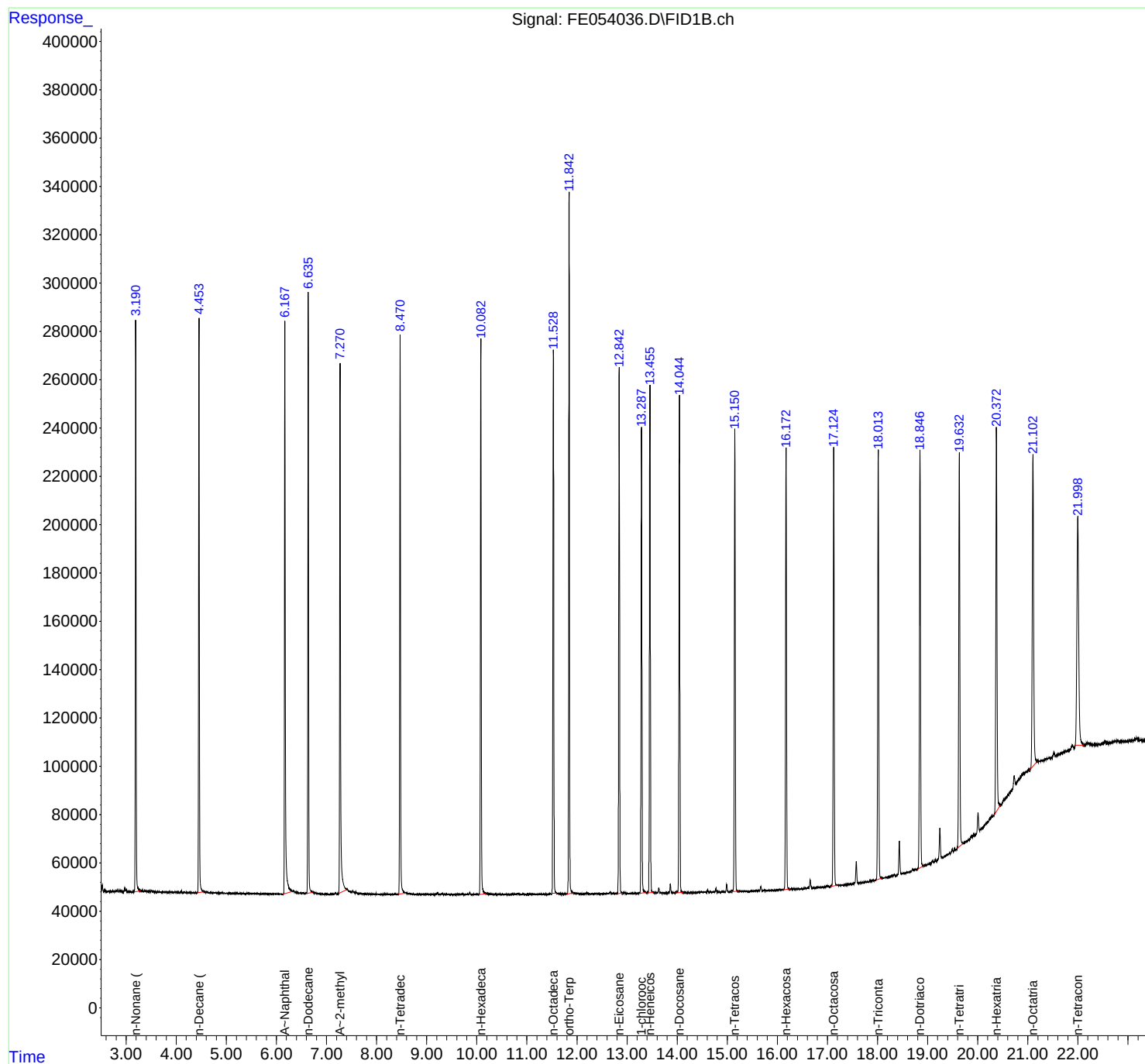
Instrument :
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20 PPM ALIPHATIC HC STD

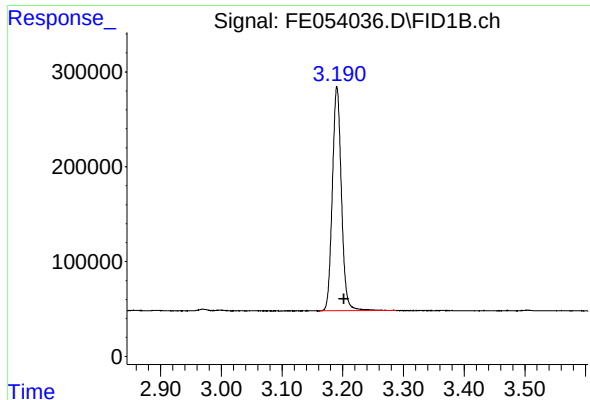
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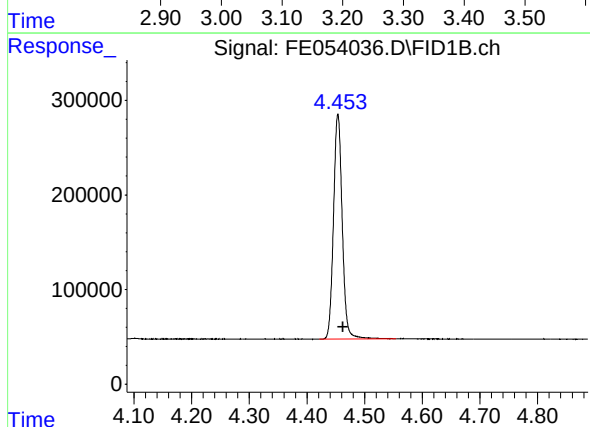
#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.011 min
Response: 2458794
Conc: 18.19 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

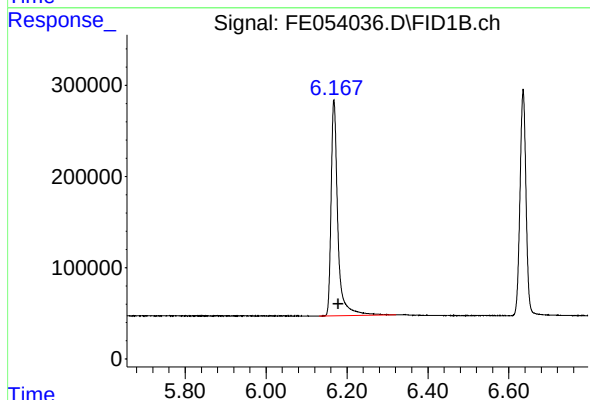
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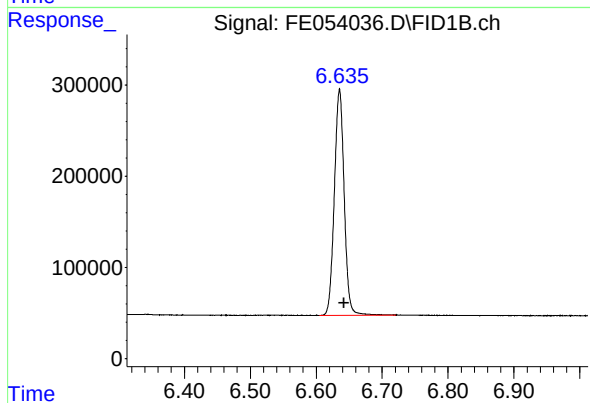
#2 n-Decane (C10)

R.T.: 4.454 min
Delta R.T.: -0.009 min
Response: 2505326
Conc: 18.54 ug/ml



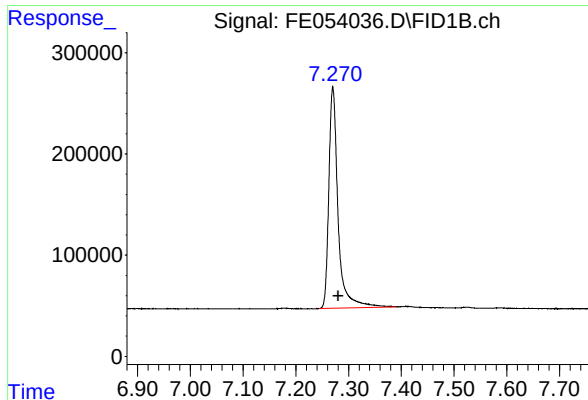
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.010 min
Response: 2754669
Conc: 19.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.007 min
Response: 2571813
Conc: 18.85 ug/ml



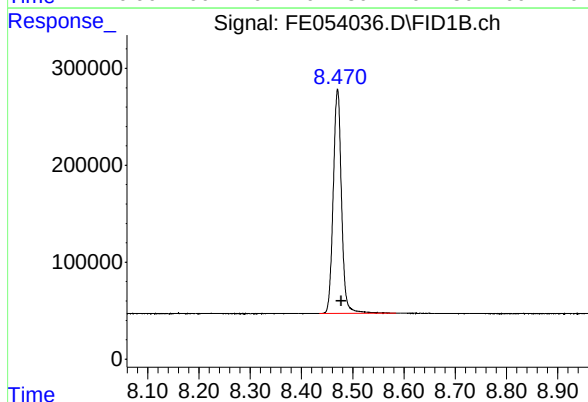
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.270 min
Delta R.T.: -0.010 min
Response: 2670356
Conc: 19.25 ug/ml

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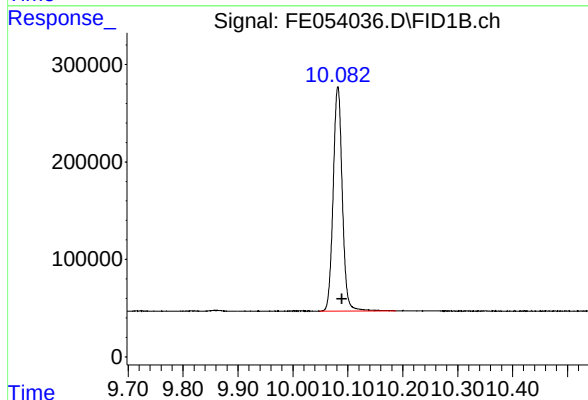
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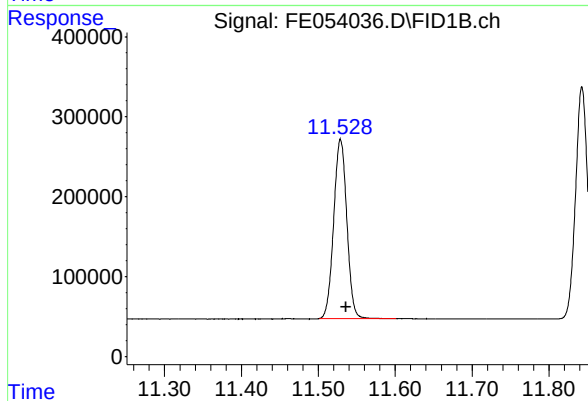
#6 n-Tetradecane (C14)

R.T.: 8.470 min
Delta R.T.: -0.007 min
Response: 2598255
Conc: 19.25 ug/ml



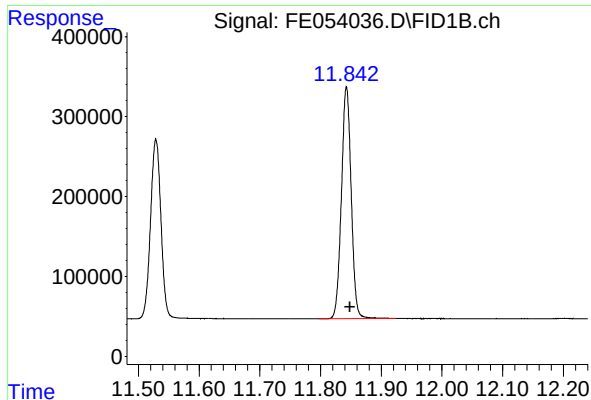
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.008 min
Response: 2662073
Conc: 19.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: -0.007 min
Response: 2663321
Conc: 19.78 ug/ml



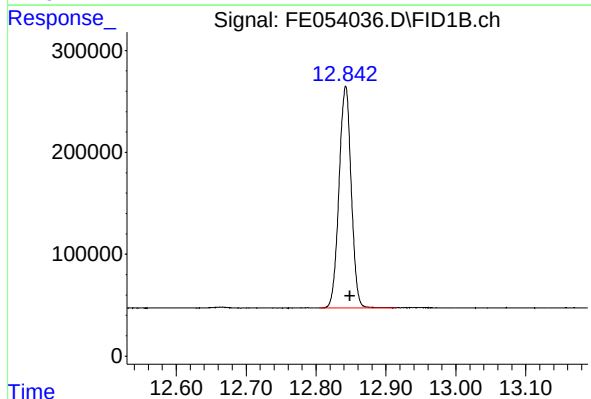
#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.006 min
Response: 3241602
Conc: 19.95 ug/ml

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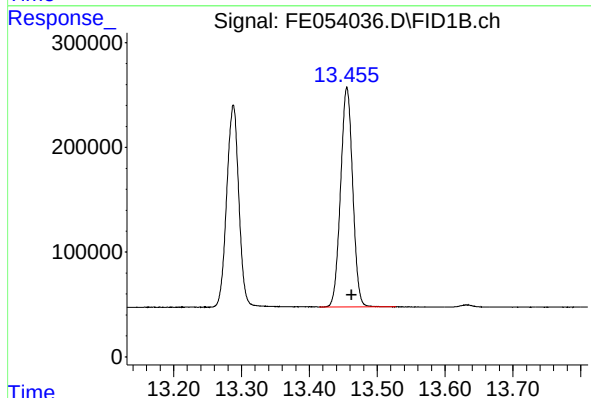
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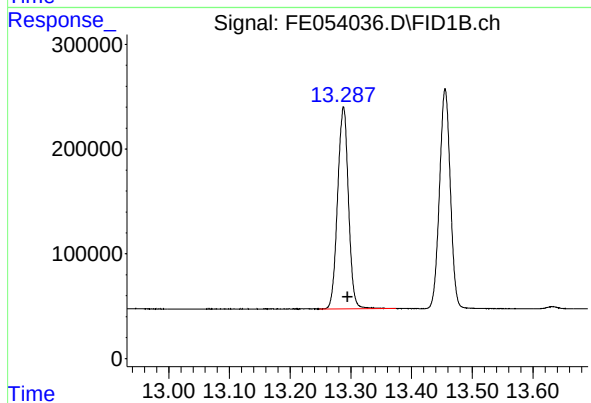
#10 n-Eicosane (C20)

R.T.: 12.842 min
Delta R.T.: -0.007 min
Response: 2630482
Conc: 20.01 ug/ml



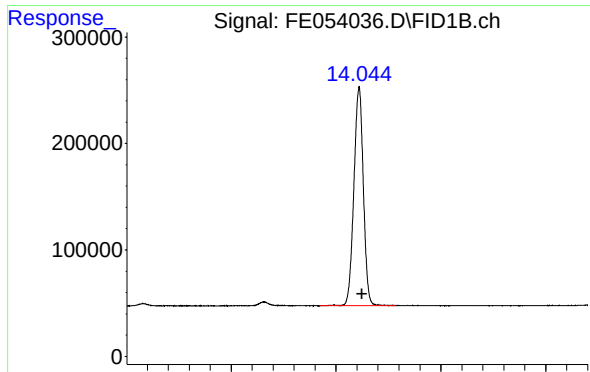
#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: -0.007 min
Response: 2602732
Conc: 20.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.007 min
Response: 2395352
Conc: 20.21 ug/ml



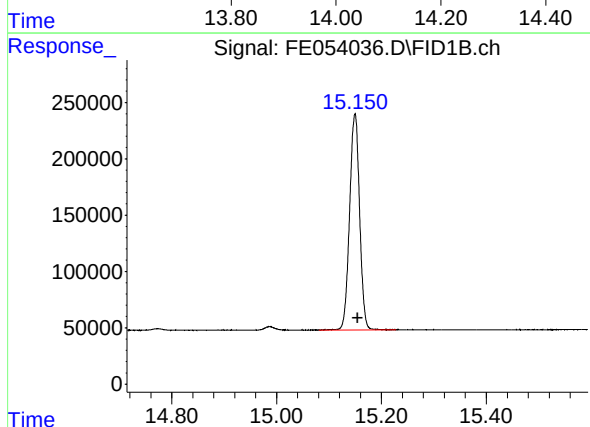
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.006 min
Response: 2578523
Conc: 20.21 ug/ml

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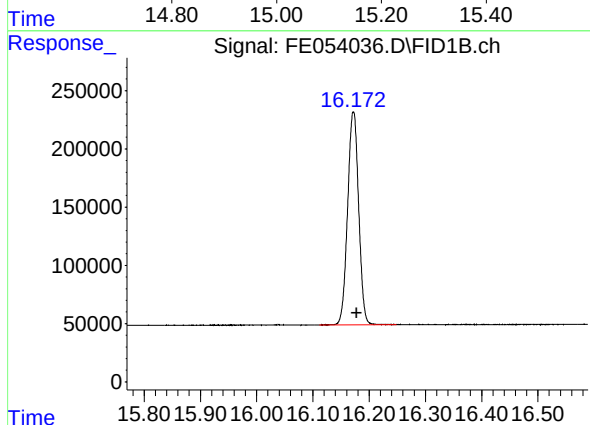
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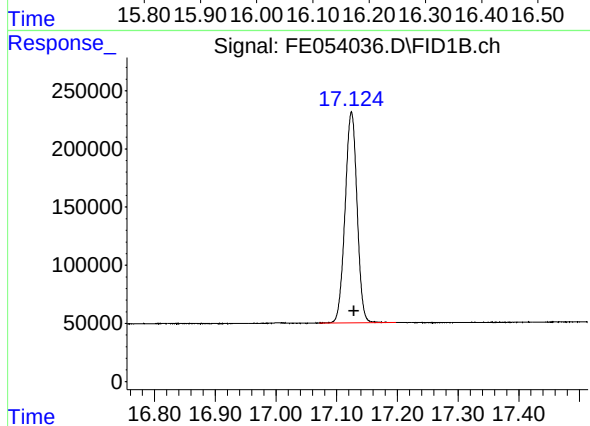
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: -0.005 min
Response: 2537711
Conc: 20.28 ug/ml



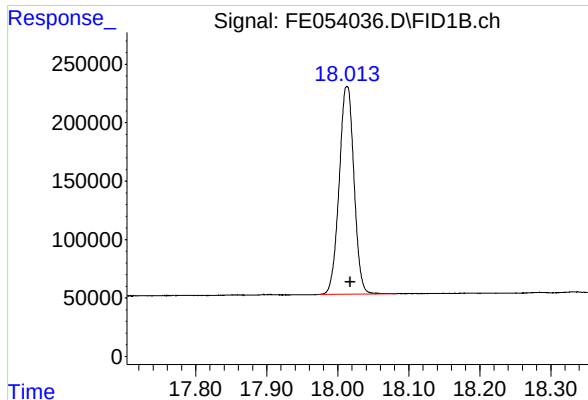
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.006 min
Response: 2494435
Conc: 20.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.004 min
Response: 2491164
Conc: 20.49 ug/ml



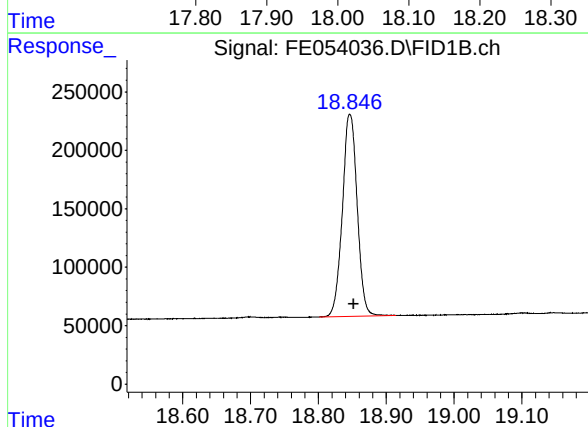
#17 n-Tricontane (C30)

R.T.: 18.013 min
Delta R.T.: -0.005 min
Response: 2579685
Conc: 20.71 ug/ml

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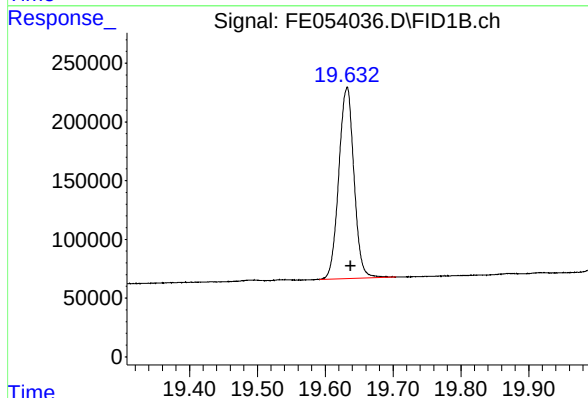
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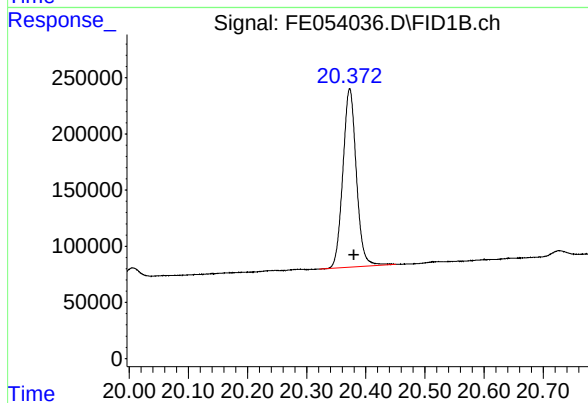
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.005 min
Response: 2619534
Conc: 20.95 ug/ml



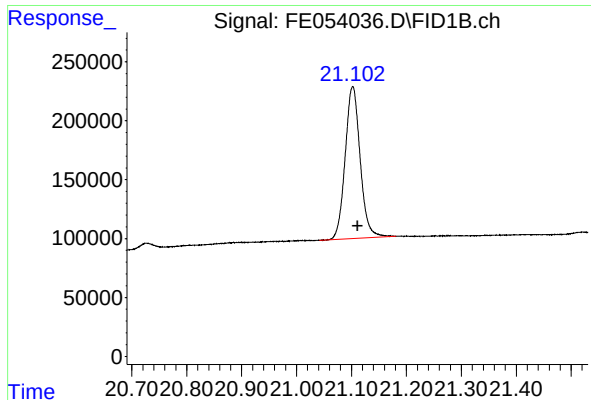
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: -0.006 min
Response: 2529062
Conc: 21.23 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.007 min
Response: 2516081
Conc: 21.73 ug/ml



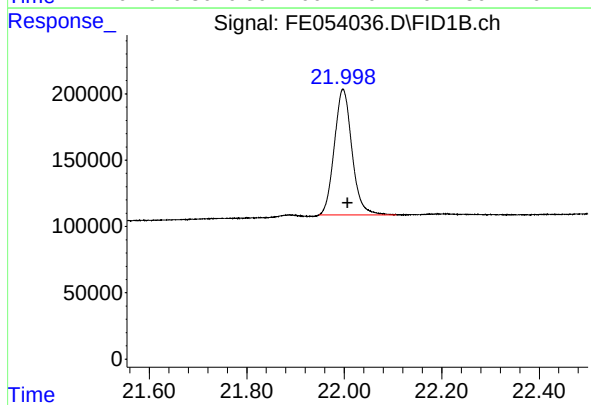
#21 n-Octatriacontane (C38)

R.T.: 21.102 min
Delta R.T.: -0.009 min
Response: 2441504
Conc: 22.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.009 min
Response: 2385000
Conc: 24.03 ug/ml