

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062425AL\
 Data File : FE054559.D
 Signal(s) : FID1B.ch
 Acq On : 24 Jun 2025 06:53
 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 06/25/2025
 Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
 Quant Time: Jun 24 07:58:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.824	3098670	18.753 ug/ml
Spiked Amount 50.000		Recovery =	37.51%
12) S 1-chlorooctadecane (S...	13.269	2162361	17.732 ug/ml
Spiked Amount 50.000		Recovery =	35.46%
Target Compounds			
1) T n-Nonane (C9)	3.171	2271429	18.291 ug/ml
2) T n-Decane (C10)	4.435	2336826	18.807 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2454265	18.161 ug/ml
4) T n-Dodecane (C12)	6.617	2417479	18.986 ug/ml
5) T A~2-methylnaphthalene...	7.254	2445611	18.464 ug/ml
6) T n-Tetradecane (C14)	8.452	2472927	19.101 ug/ml
7) T n-Hexadecane (C16)	10.064	2498139	18.806 ug/ml
8) T n-Octadecane (C18)	11.510	2542814	18.831 ug/ml
10) T n-Eicosane (C20)	12.824	2512612	18.782 ug/ml
11) T n-Heneicosane (C21)	13.438	2494519	18.760 ug/ml
13) T n-Docosane (C22)	14.025	2492545	19.009 ug/ml
14) T n-Tetracosane (C24)	15.131	2484740	19.262 ug/ml
15) T n-Hexacosane (C26)	16.156	2445407	19.481 ug/ml
16) T n-Octacosane (C28)	17.108	2523953	20.582 ug/ml
17) T n-Tricontane (C30)	17.999	2812782	22.694 ug/ml
18) T n-Dotriacontane (C32)	18.833	2856417	22.734 ug/ml
19) T n-Tetratriacontane (C34)	19.618	2425968	19.500 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2210512	17.172 ug/ml
21) T n-Octatriacontane (C38)	21.087	2005059	15.185 ug/ml
22) T n-Tetracontane (C40)	21.975	2045221	15.183 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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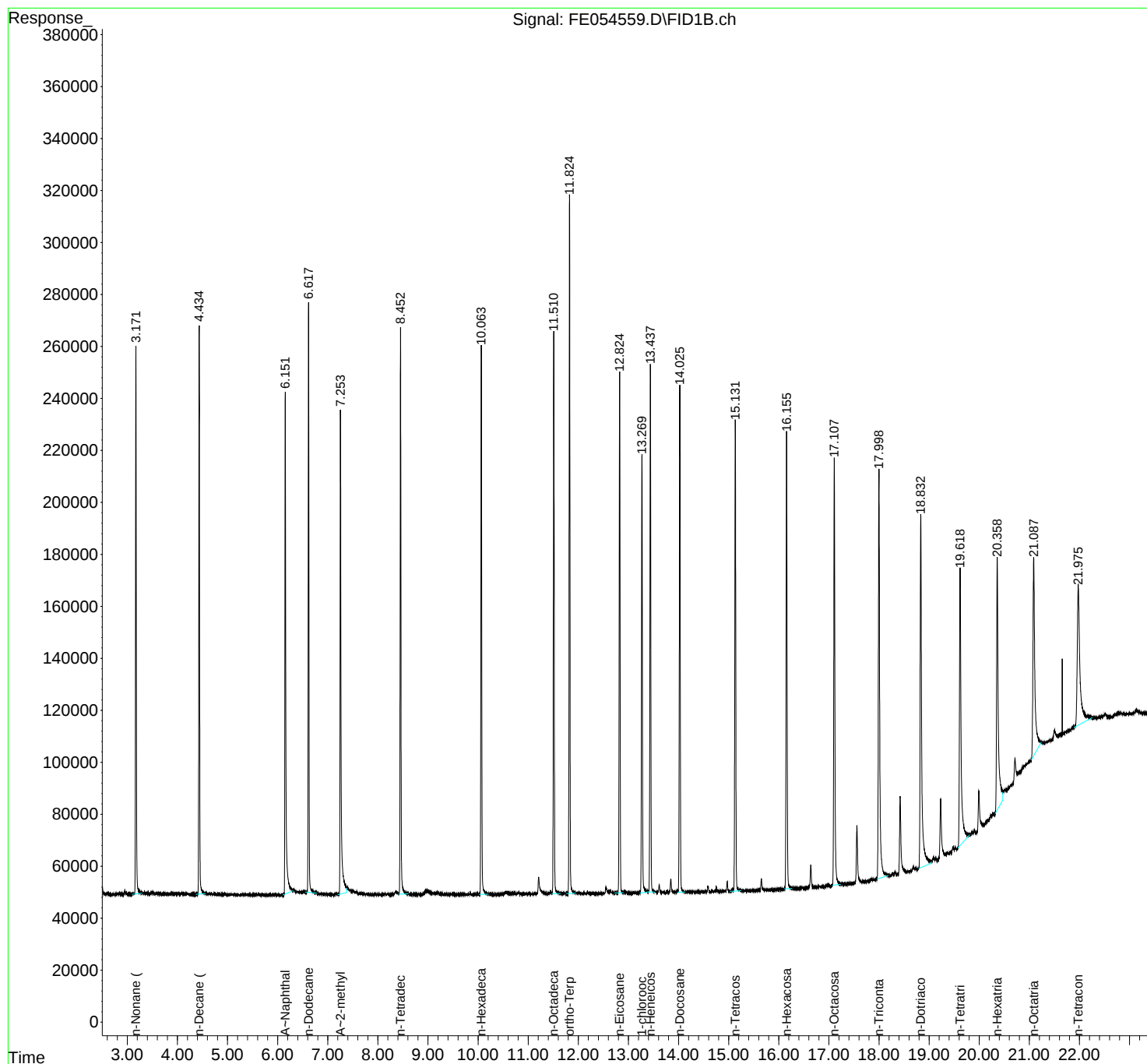
Instrument :
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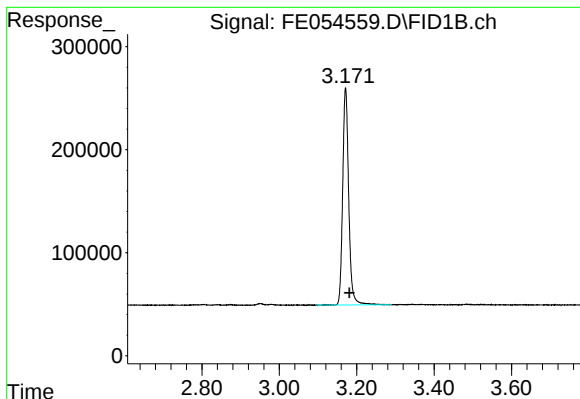
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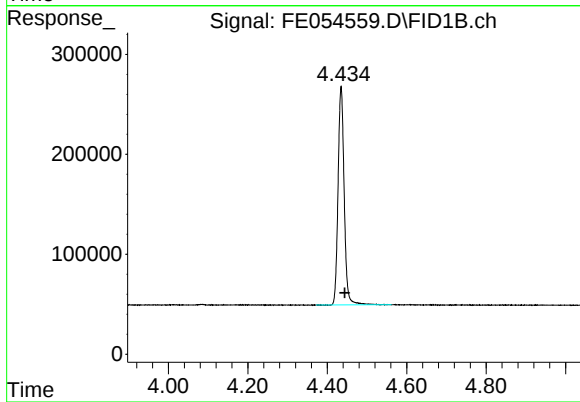
#1 n-Nonane (C9)

R.T.: 3.171 min
Delta R.T.: -0.010 min
Response: 2271429
Conc: 18.29 ug/ml

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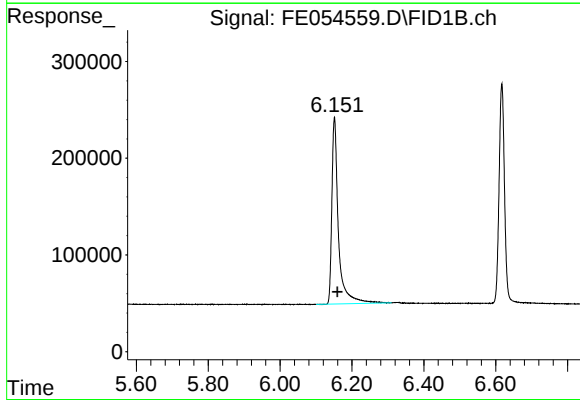
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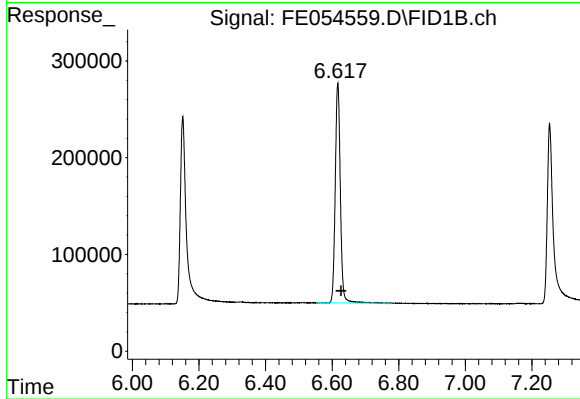
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.009 min
Response: 2336826
Conc: 18.81 ug/ml



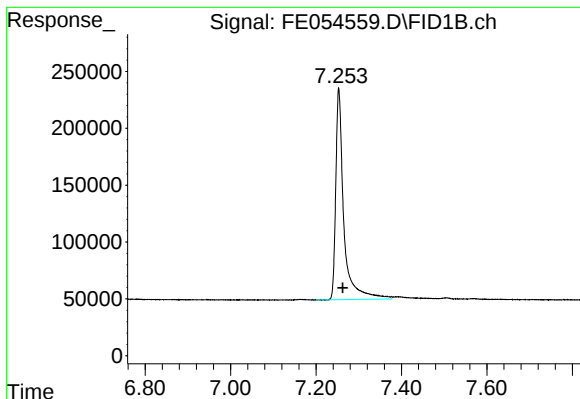
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2454265
Conc: 18.16 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2417479
Conc: 18.99 ug/ml



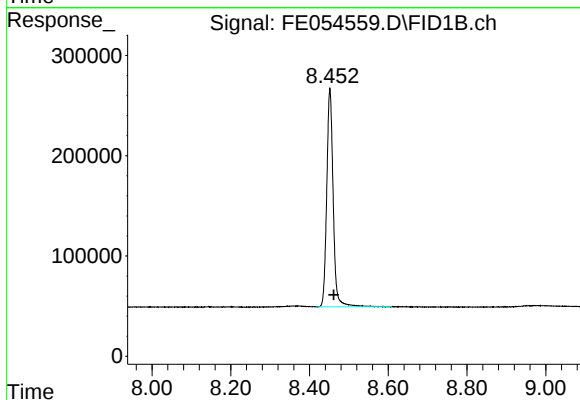
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2445611
Conc: 18.46 ug/ml

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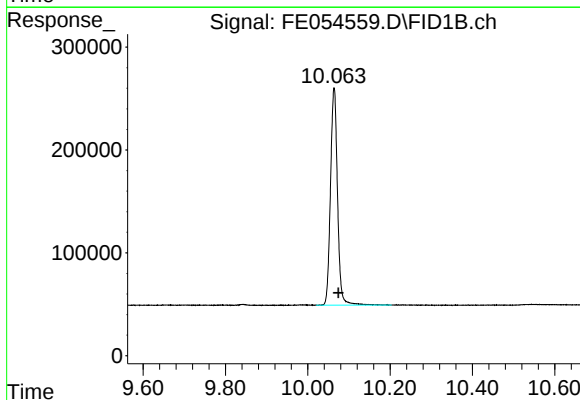
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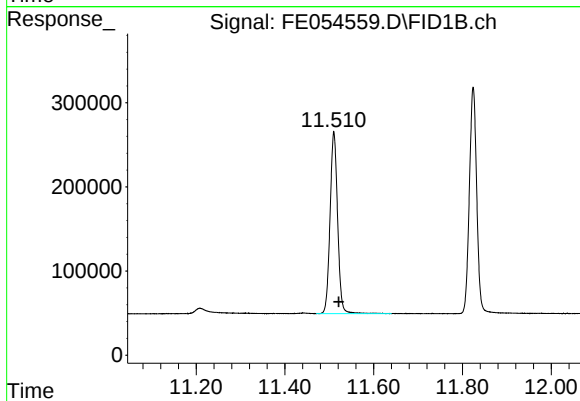
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2472927
Conc: 19.10 ug/ml



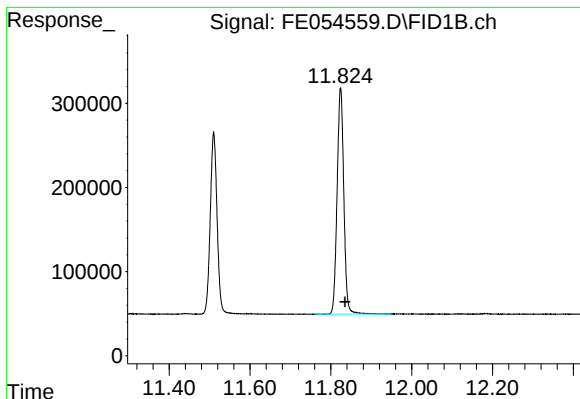
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2498139
Conc: 18.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2542814
Conc: 18.83 ug/ml



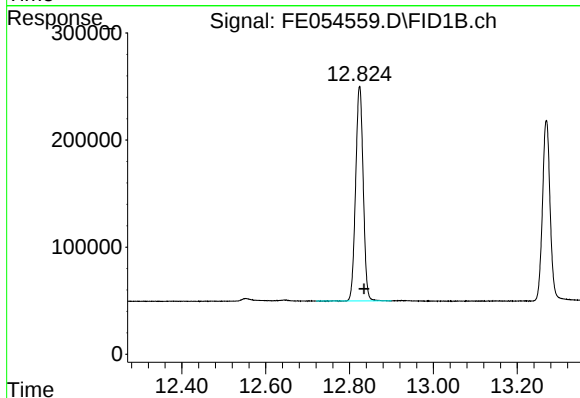
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3098670
Conc: 18.75 ug/ml

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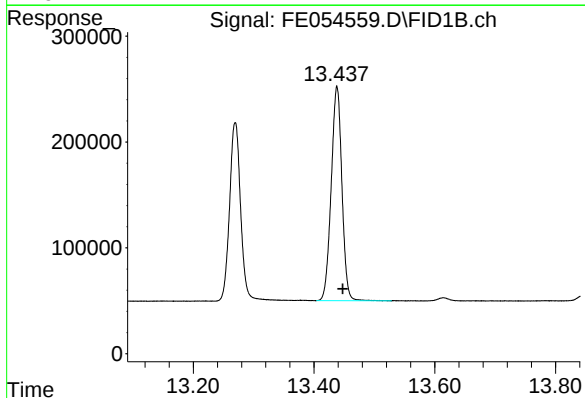
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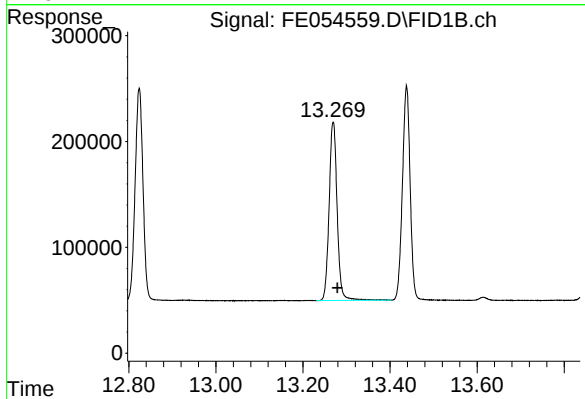
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 2512612
Conc: 18.78 ug/ml



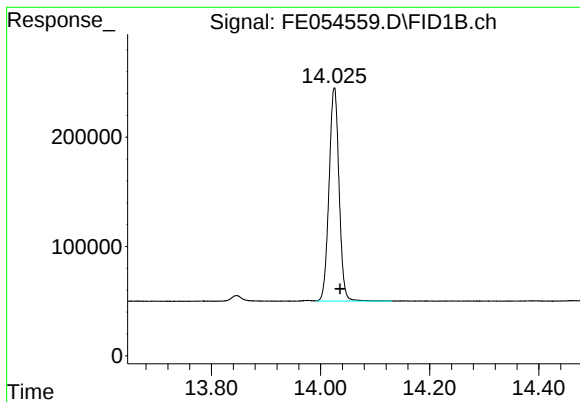
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.010 min
Response: 2494519
Conc: 18.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.010 min
Response: 2162361
Conc: 17.73 ug/ml



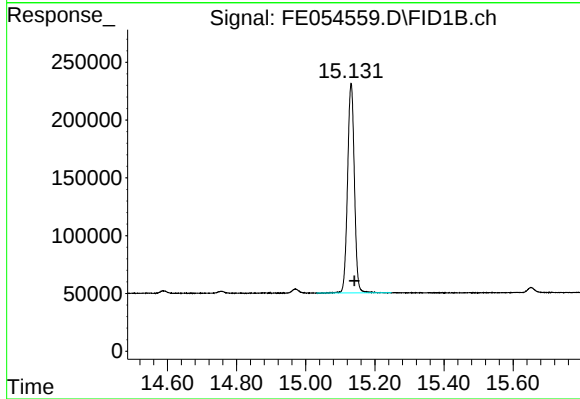
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 2492545
Conc: 19.01 ug/ml

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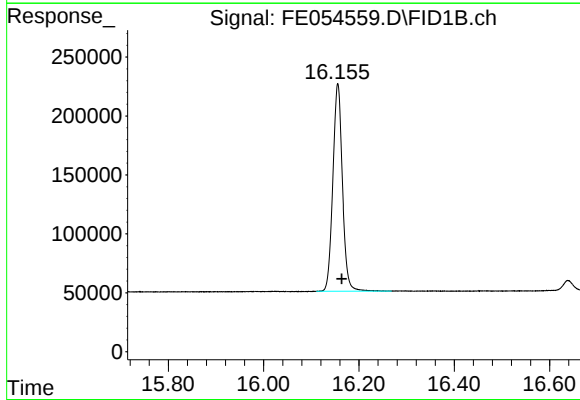
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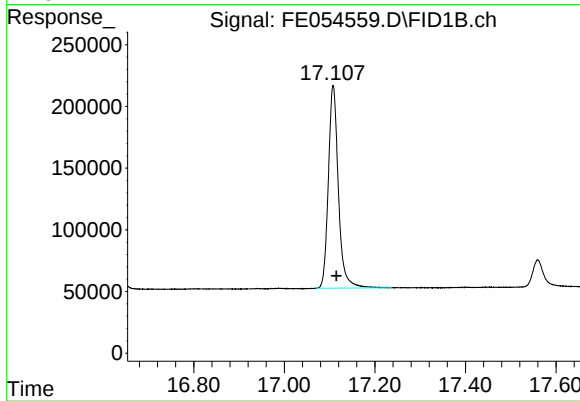
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.010 min
Response: 2484740
Conc: 19.26 ug/ml



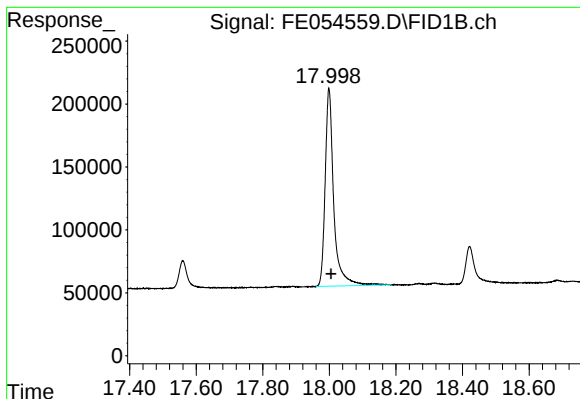
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.009 min
Response: 2445407
Conc: 19.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.007 min
Response: 2523953
Conc: 20.58 ug/ml



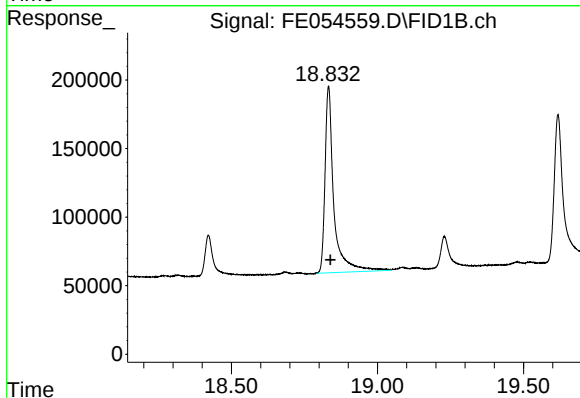
#17 n-Tricontane (C30)

R.T.: 17.999 min
Delta R.T.: -0.006 min
Response: 2812782
Conc: 22.69 ug/ml

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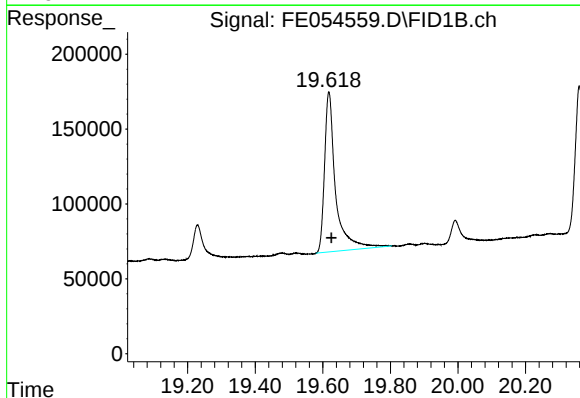
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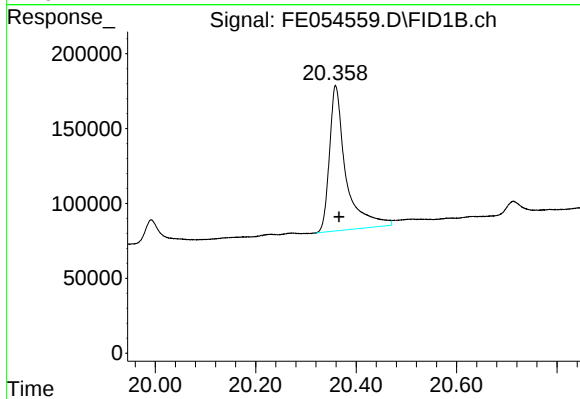
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.006 min
Response: 2856417
Conc: 22.73 ug/ml



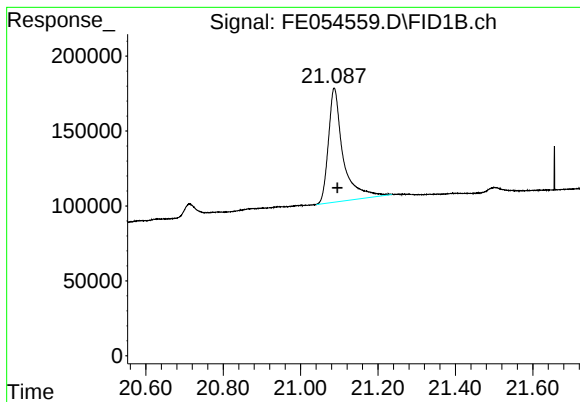
#19 n-Tetratriacontane (C34)

R.T.: 19.618 min
Delta R.T.: -0.007 min
Response: 2425968
Conc: 19.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.007 min
Response: 2210512
Conc: 17.17 ug/ml



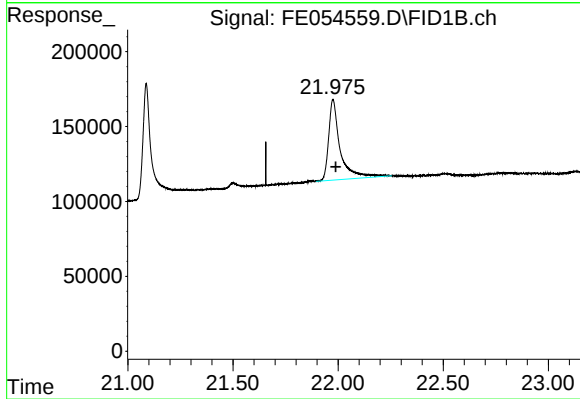
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.009 min
Response: 2005059
Conc: 15.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.975 min
Delta R.T.: -0.013 min
Response: 2045221
Conc: 15.18 ug/ml m