

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062325AL\
 Data File : FE054556.D
 Signal(s) : FID1B.ch
 Acq On : 24 Jun 2025 00:04
 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 06/24/2025
 Supervised By :mohammad ahmed 06/25/2025

Integration File: autoint1.e
 Quant Time: Jun 24 03:10:51 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	3118022	18.870 ug/ml
Spiked Amount 50.000		Recovery =	37.74%
12) S 1-chlorooctadecane (S...	13.269	2272691	18.636 ug/ml
Spiked Amount 50.000		Recovery =	37.27%
Target Compounds			
1) T n-Nonane (C9)	3.174	2355514	18.969 ug/ml
2) T n-Decane (C10)	4.436	2438688	19.627 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2637068	19.513 ug/ml
4) T n-Dodecane (C12)	6.617	2544397	19.982 ug/ml
5) T A~2-methylnaphthalene...	7.254	2576623	19.453 ug/ml
6) T n-Tetradecane (C14)	8.452	2589059	19.998 ug/ml
7) T n-Hexadecane (C16)	10.065	2618520	19.712 ug/ml
8) T n-Octadecane (C18)	11.511	2632237	19.493 ug/ml
10) T n-Eicosane (C20)	12.824	2553338	19.087 ug/ml
11) T n-Heneicosane (C21)	13.437	2512071	18.892 ug/ml
13) T n-Docosane (C22)	14.024	2480027	18.914 ug/ml
14) T n-Tetracosane (C24)	15.129	2446346	18.965 ug/ml
15) T n-Hexacosane (C26)	16.153	2383328	18.986 ug/ml
16) T n-Octacosane (C28)	17.104	2471653	20.155 ug/ml
17) T n-Tricontane (C30)	17.994	2801194	22.601 ug/ml
18) T n-Dotriacontane (C32)	18.828	2938170	23.385 ug/ml
19) T n-Tetratriacontane (C34)	19.614	2792109	22.443 ug/ml
20) T n-Hexatriacontane (C36)	20.355	2729419	21.203 ug/ml
21) T n-Octatriacontane (C38)	21.081	2561000	19.395 ug/mlm
22) T n-Tetracontane (C40)	21.971	2476608	18.385 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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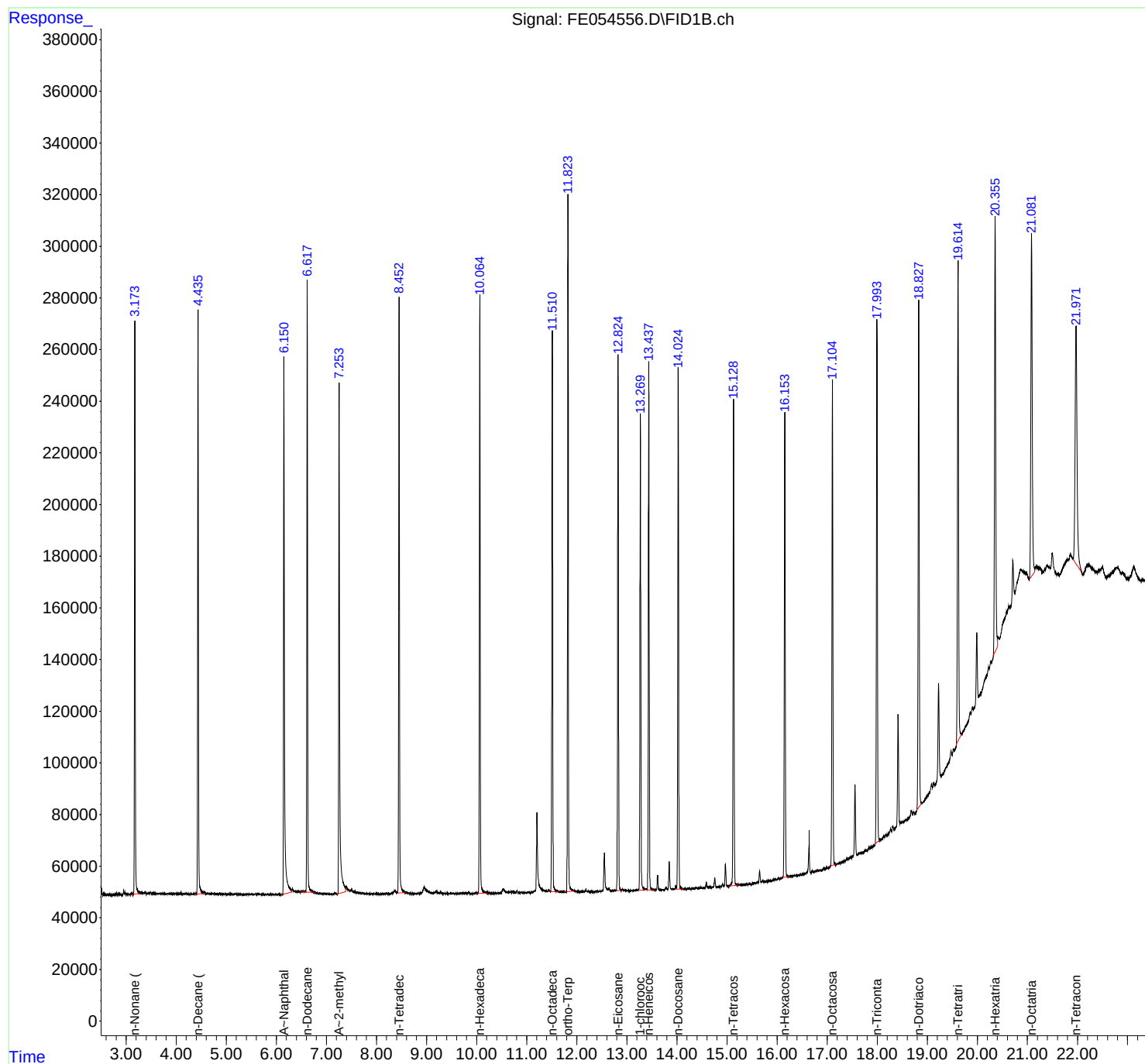
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20 PPM ALIPHATIC HC STD

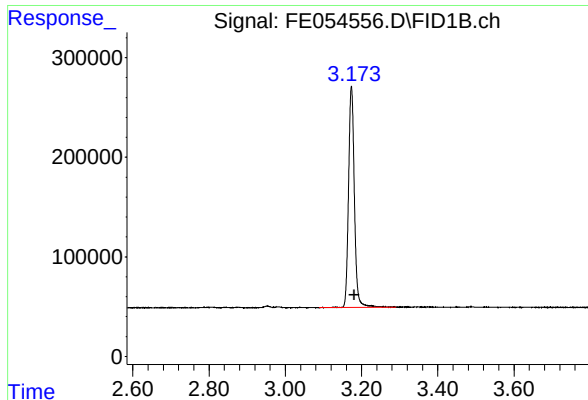
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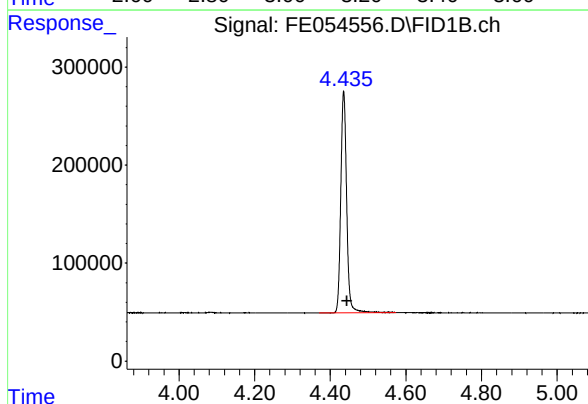
#1 n-Nonane (C9)

R.T.: 3.174 min
Delta R.T.: -0.007 min
Response: 2355514
Conc: 18.97 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

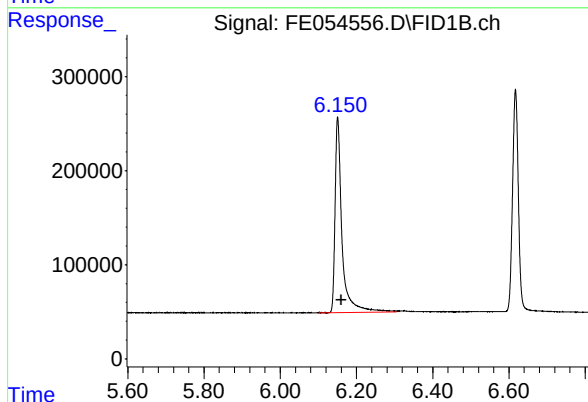
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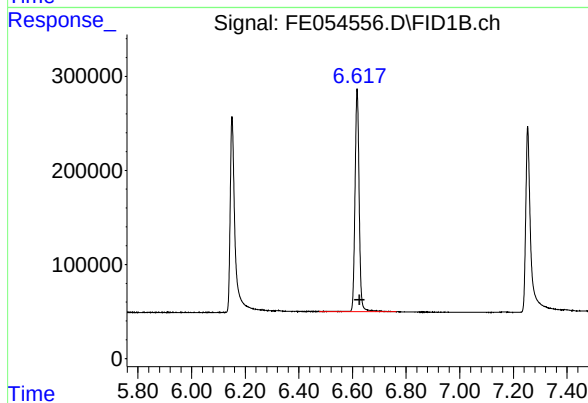
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.009 min
Response: 2438688
Conc: 19.63 ug/ml



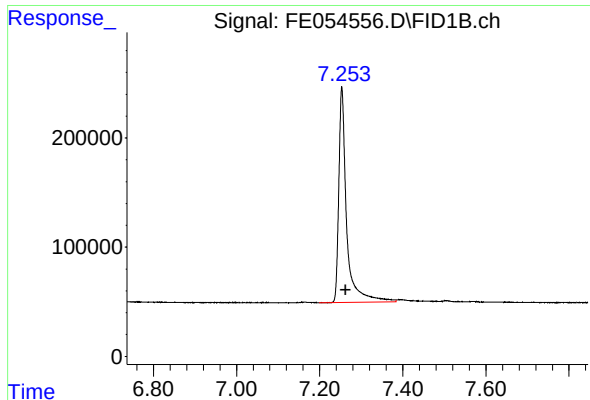
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2637068
Conc: 19.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2544397
Conc: 19.98 ug/ml



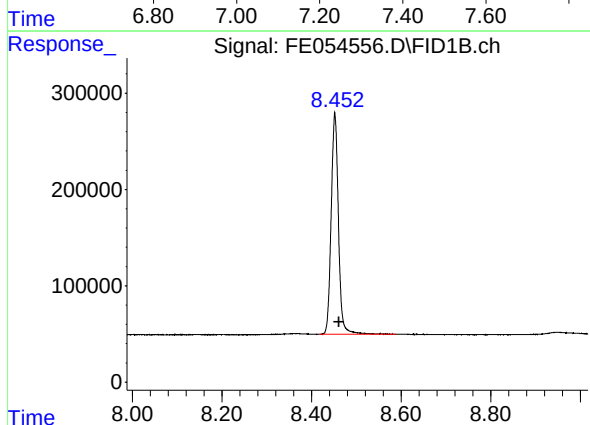
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2576623
Conc: 19.45 ug/ml

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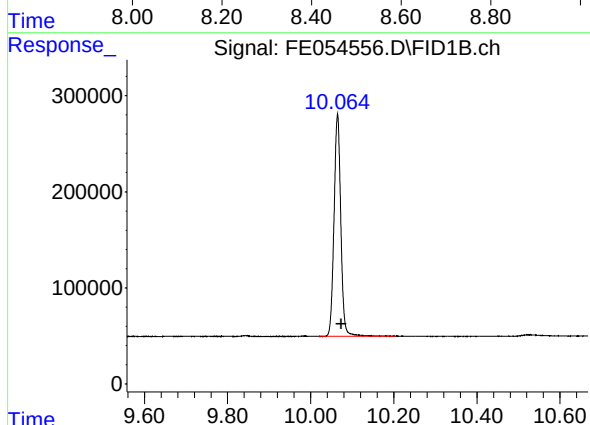
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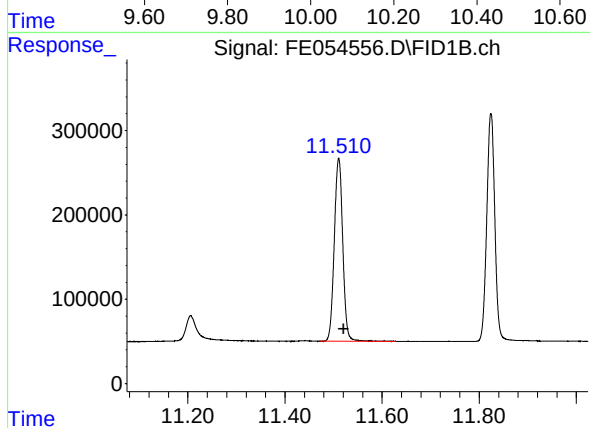
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.009 min
Response: 2589059
Conc: 20.00 ug/ml



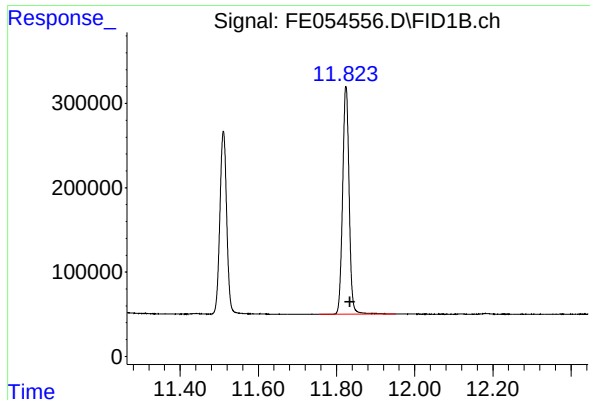
#7 n-Hexadecane (C16)

R.T.: 10.065 min
Delta R.T.: -0.010 min
Response: 2618520
Conc: 19.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 2632237
Conc: 19.49 ug/ml



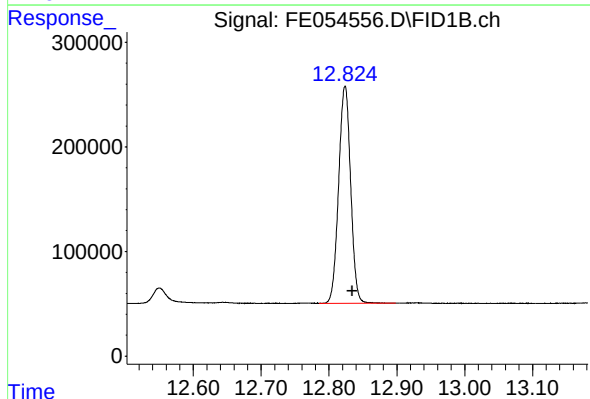
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3118022
Conc: 18.87 ug/ml

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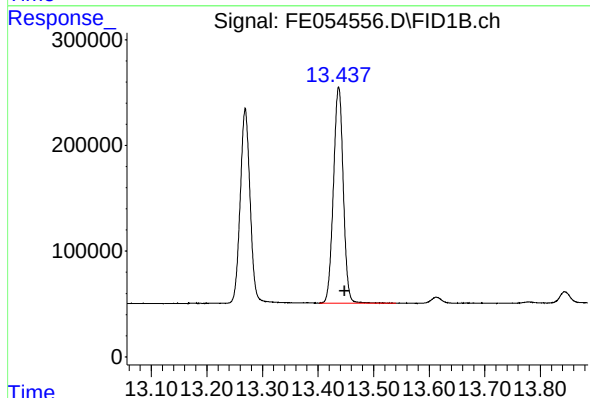
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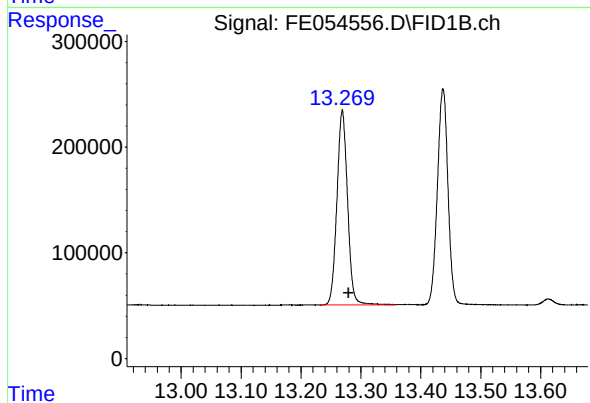
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 2553338
Conc: 19.09 ug/ml



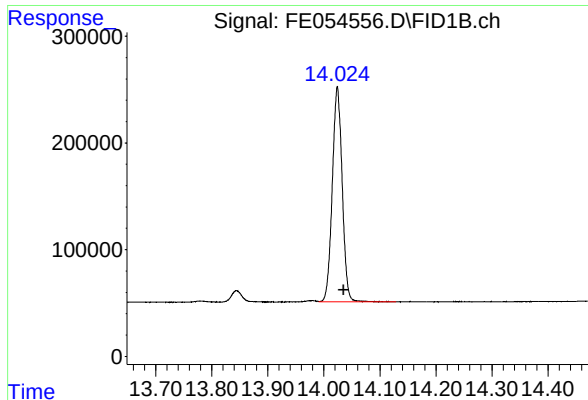
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2512071
Conc: 18.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.010 min
Response: 2272691
Conc: 18.64 ug/ml



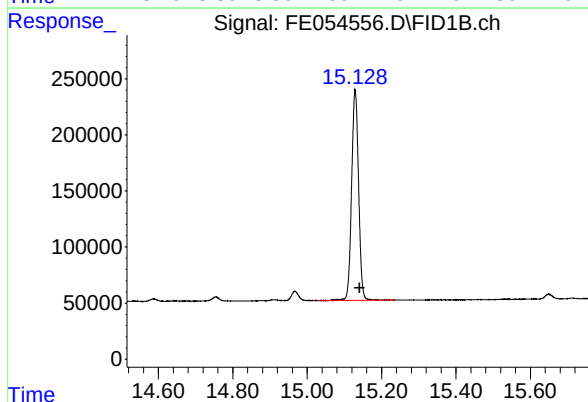
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 2480027
Conc: 18.91 ug/ml

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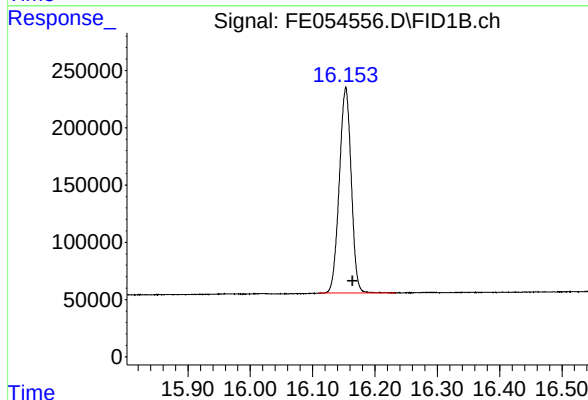
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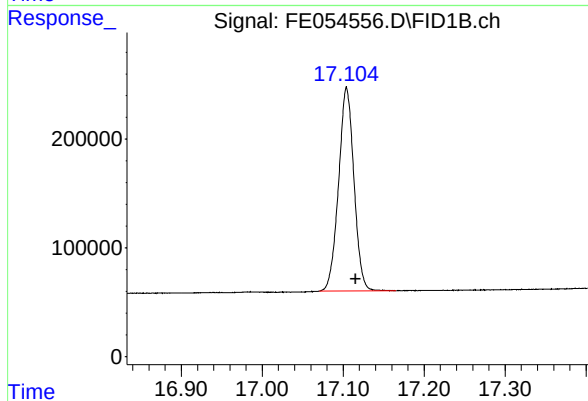
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.012 min
Response: 2446346
Conc: 18.96 ug/ml



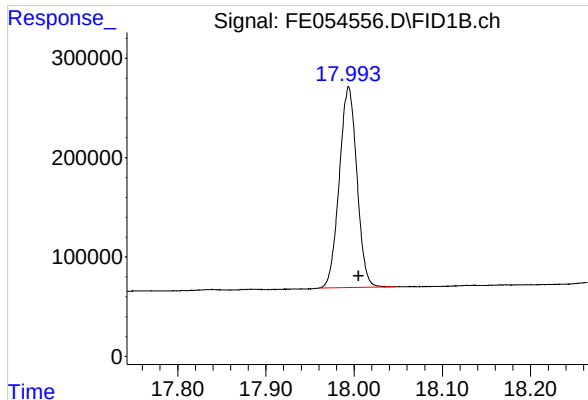
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.011 min
Response: 2383328
Conc: 18.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2471653
Conc: 20.16 ug/ml



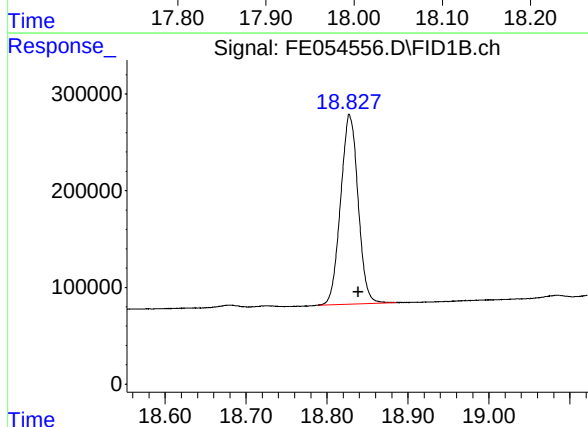
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.012 min
Response: 2801194
Conc: 22.60 ug/ml

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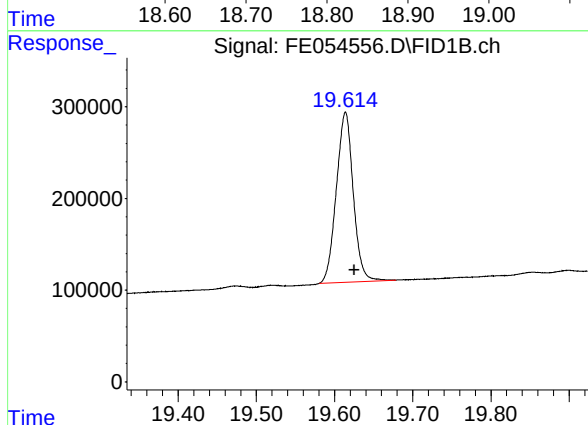
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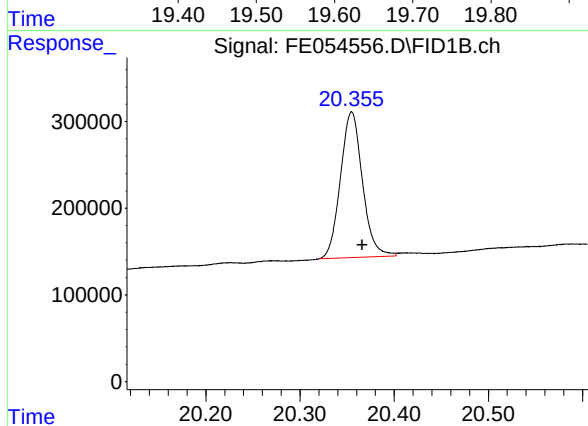
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 2938170
Conc: 23.38 ug/ml



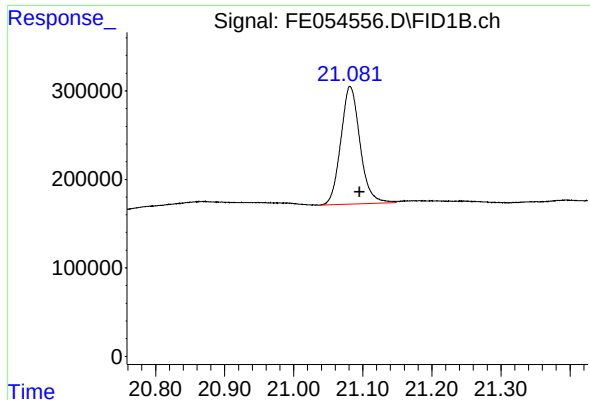
#19 n-Tetatriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.011 min
Response: 2792109
Conc: 22.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.011 min
Response: 2729419
Conc: 21.20 ug/ml



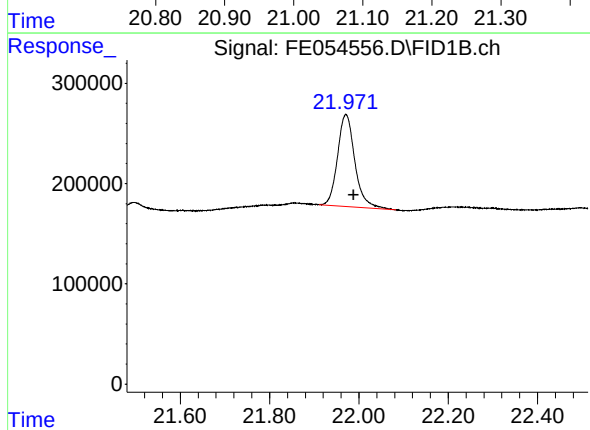
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.015 min
Response: 2561000
Conc: 19.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: -0.018 min
Response: 2476608
Conc: 18.39 ug/ml m