

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080425AL\
 Data File : FE055121.D
 Signal(s) : FID1B.ch
 Acq On : 04 Aug 2025 10:35
 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 08/05/2025
 Supervised By :mohammad ahmed 08/05/2025

Integration File: autoint1.e
 Quant Time: Aug 05 03:59:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 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)	12.091	2692358	18.854 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
12) S 1-chlorooctadecane (S...	13.527	2023692	18.821 ug/ml
Spiked Amount 50.000		Recovery =	37.64%
Target Compounds			
1) T n-Nonane (C9)	3.430	2146232	18.700 ug/ml
2) T n-Decane (C10)	4.688	2199112	18.877 ug/ml
3) T A~Naphthalene (C11.7)	6.408	2523299	18.798 ug/ml
4) T n-Dodecane (C12)	6.863	2248320	18.880 ug/ml
5) T A~2-methylnaphthalene...	7.509	2451121	18.799 ug/ml
6) T n-Tetradecane (C14)	8.700	2294038	18.710 ug/ml
7) T n-Hexadecane (C16)	10.315	2407998	18.835 ug/ml
8) T n-Octadecane (C18)	11.765	2473536	18.958 ug/ml
10) T n-Eicosane (C20)	13.079	2401677	19.141 ug/ml
11) T n-Heneicosane (C21)	13.693	2340294	18.985 ug/ml
13) T n-Docosane (C22)	14.283	2405784	19.700 ug/ml
14) T n-Tetracosane (C24)	15.389	2553018	20.989 ug/ml
15) T n-Hexacosane (C26)	16.413	2619365	21.893 ug/ml
16) T n-Octacosane (C28)	17.366	2683749	22.624 ug/ml
17) T n-Tricontane (C30)	18.255	2786484	22.645 ug/ml
18) T n-Dotriacontane (C32)	19.089	2712762	22.234 ug/ml
19) T n-Tetratriacontane (C34)	19.875	2480102	21.212 ug/ml
20) T n-Hexatriacontane (C36)	20.616	2203306	20.159 ug/ml
21) T n-Octatriacontane (C38)	21.399	2218123	20.525 ug/ml
22) T n-Tetracontane (C40)	22.392	1918318	18.344 ug/mlm

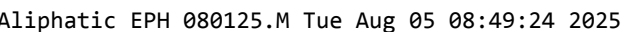
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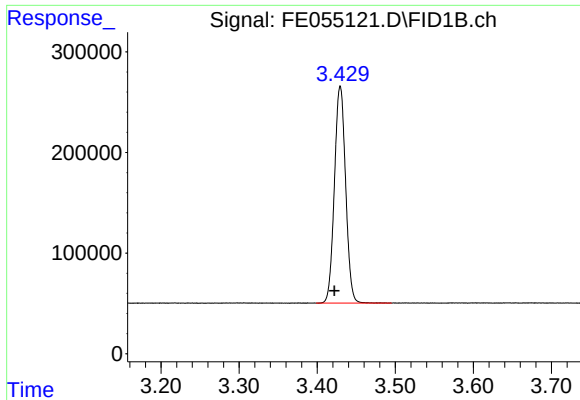
(m)=manual int.

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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





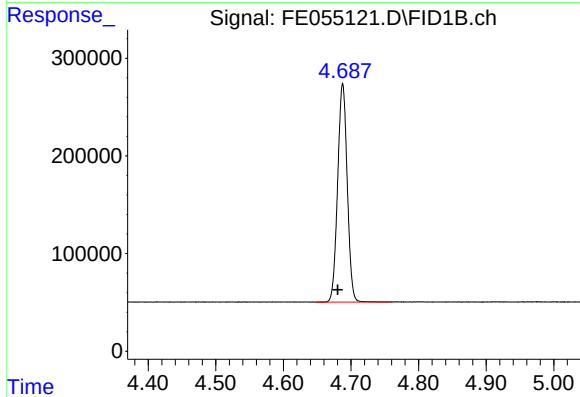
#1 n-Nonane (C9)

R.T.: 3.430 min
Delta R.T.: 0.007 min
Response: 2146232
Conc: 18.70 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

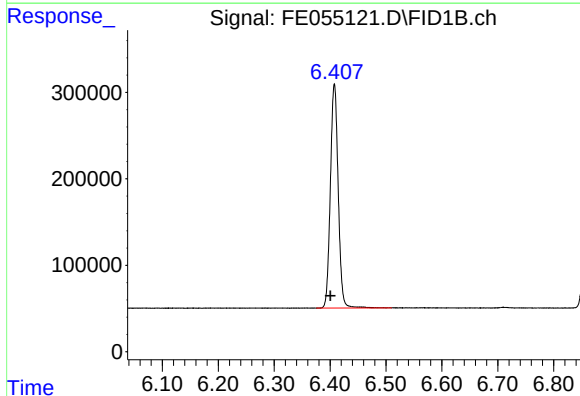
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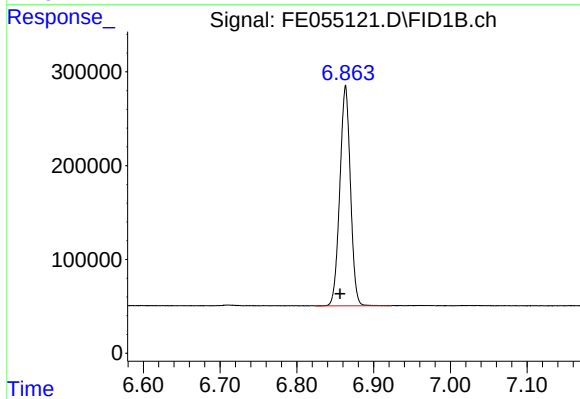
#2 n-Decane (C10)

R.T.: 4.688 min
Delta R.T.: 0.007 min
Response: 2199112
Conc: 18.88 ug/ml



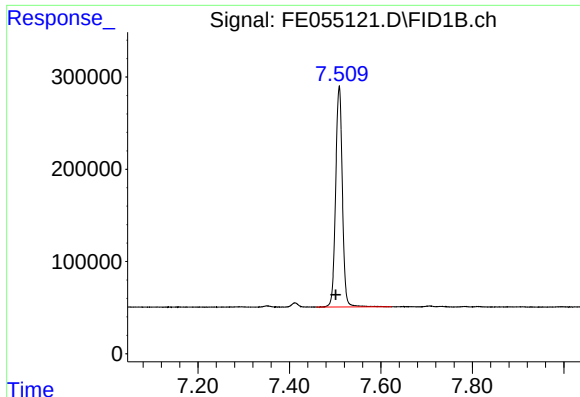
#3 A~Naphthalene (C11.7)

R.T.: 6.408 min
Delta R.T.: 0.007 min
Response: 2523299
Conc: 18.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.863 min
Delta R.T.: 0.007 min
Response: 2248320
Conc: 18.88 ug/ml



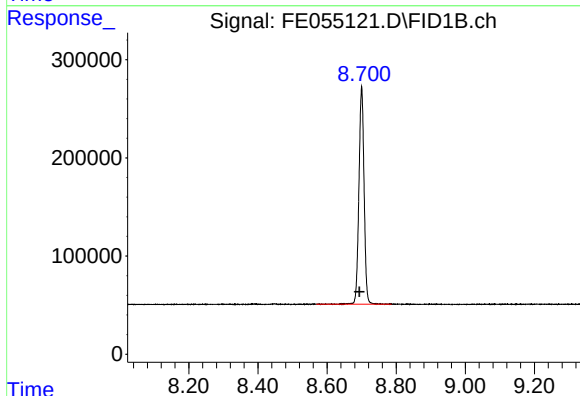
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.509 min
Delta R.T.: 0.007 min
Response: 2451121
Conc: 18.80 ug/ml

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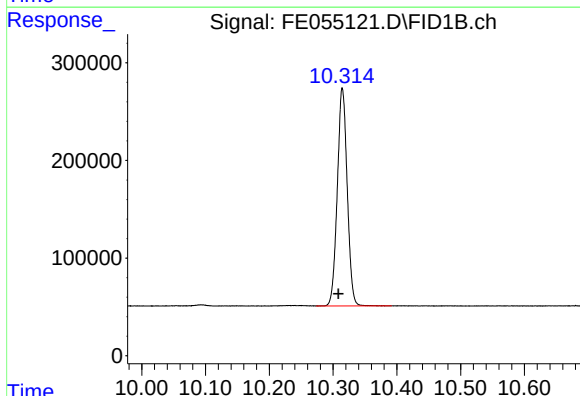
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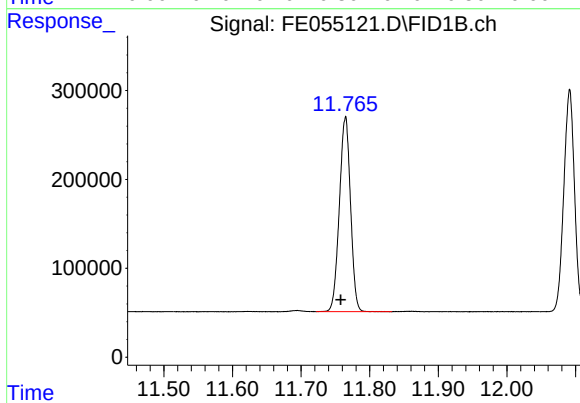
#6 n-Tetradecane (C14)

R.T.: 8.700 min
Delta R.T.: 0.007 min
Response: 2294038
Conc: 18.71 ug/ml



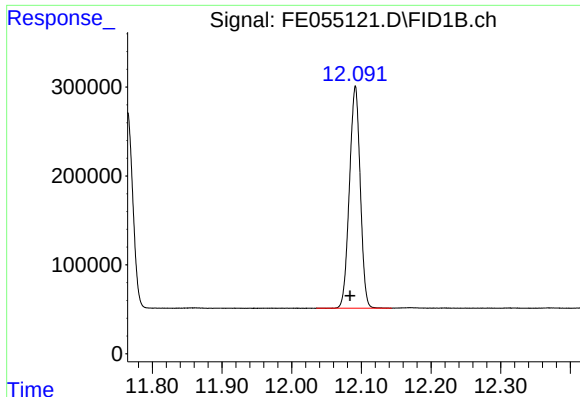
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.006 min
Response: 2407998
Conc: 18.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.765 min
Delta R.T.: 0.007 min
Response: 2473536
Conc: 18.96 ug/ml



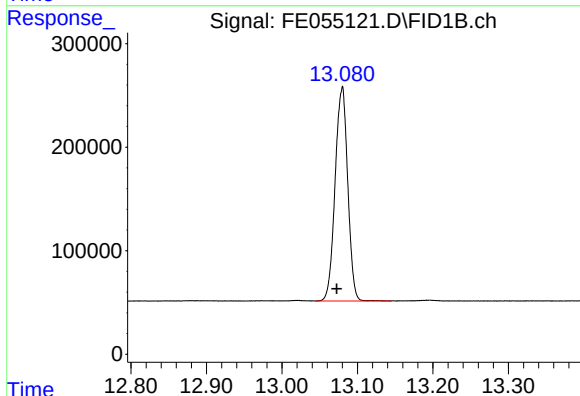
#9 ortho-Terphenyl (SURR)

R.T.: 12.091 min
Delta R.T.: 0.007 min
Response: 2692358
Conc: 18.85 ug/ml

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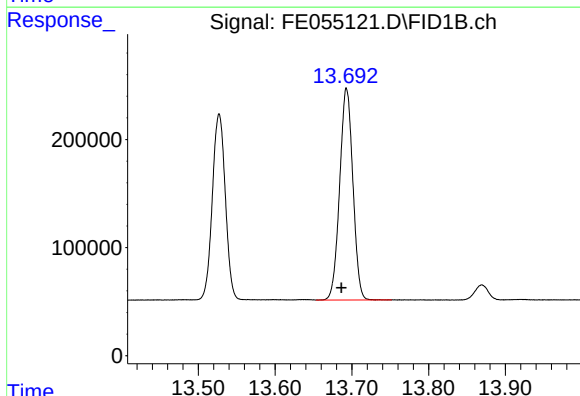
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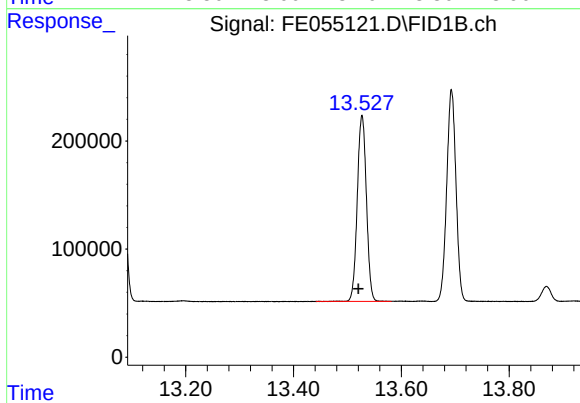
#10 n-Eicosane (C20)

R.T.: 13.079 min
Delta R.T.: 0.007 min
Response: 2401677
Conc: 19.14 ug/ml



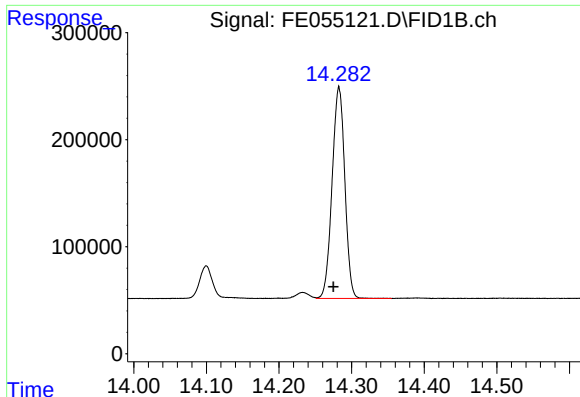
#11 n-Heneicosane (C21)

R.T.: 13.693 min
Delta R.T.: 0.007 min
Response: 2340294
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.527 min
Delta R.T.: 0.007 min
Response: 2023692
Conc: 18.82 ug/ml



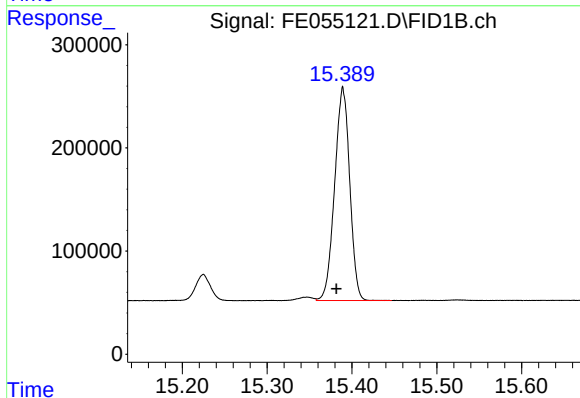
#13 n-Docosane (C22)

R.T.: 14.283 min
Delta R.T.: 0.008 min
Response: 2405784
Conc: 19.70 ug/ml

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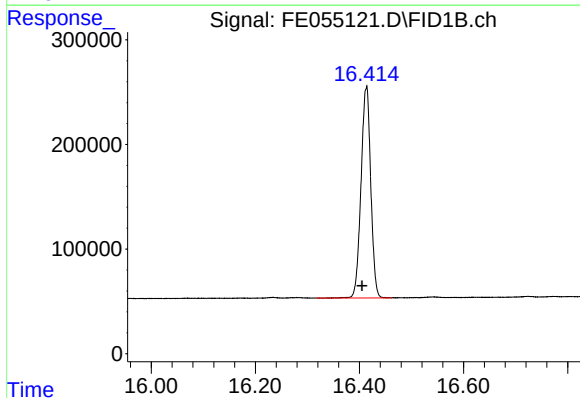
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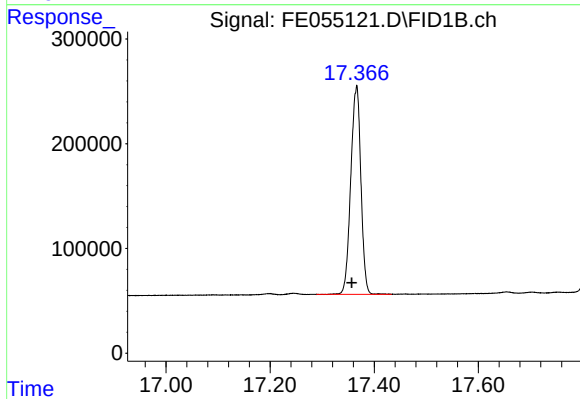
#14 n-Tetracosane (C24)

R.T.: 15.389 min
Delta R.T.: 0.008 min
Response: 2553018
Conc: 20.99 ug/ml



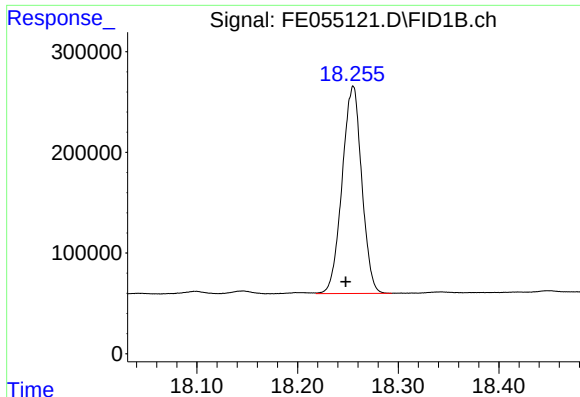
#15 n-Hexacosane (C26)

R.T.: 16.413 min
Delta R.T.: 0.008 min
Response: 2619365
Conc: 21.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.366 min
Delta R.T.: 0.009 min
Response: 2683749
Conc: 22.62 ug/ml



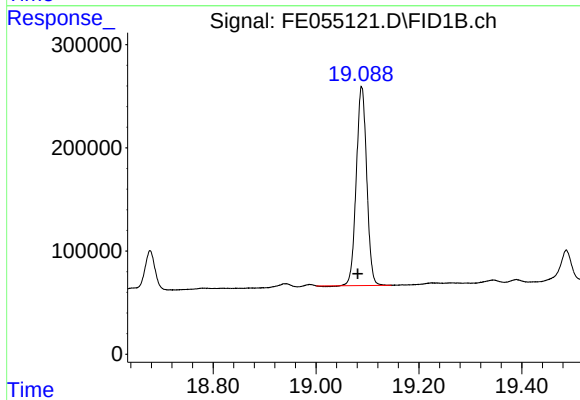
#17 n-Tricontane (C30)

R.T.: 18.255 min
Delta R.T.: 0.007 min
Response: 2786484
Conc: 22.65 ug/ml

Instrument :
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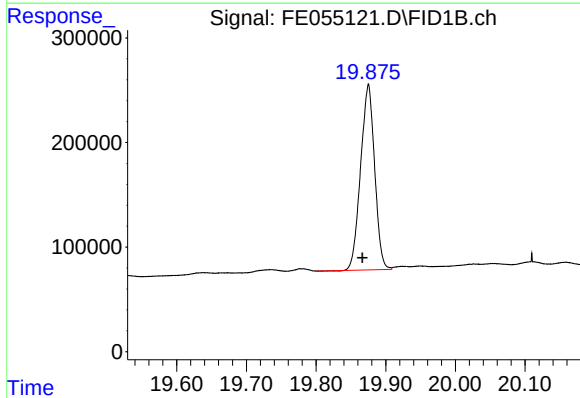
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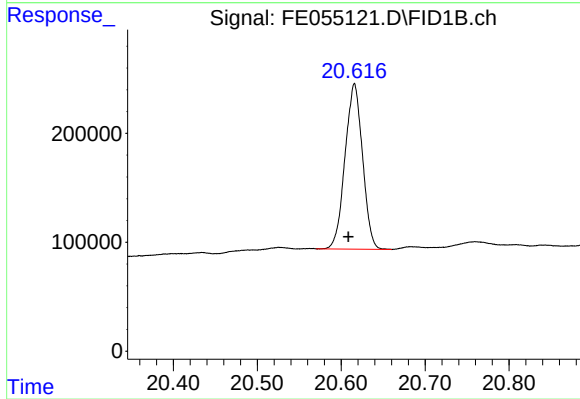
#18 n-Dotriacontane (C32)

R.T.: 19.089 min
Delta R.T.: 0.007 min
Response: 2712762
Conc: 22.23 ug/ml



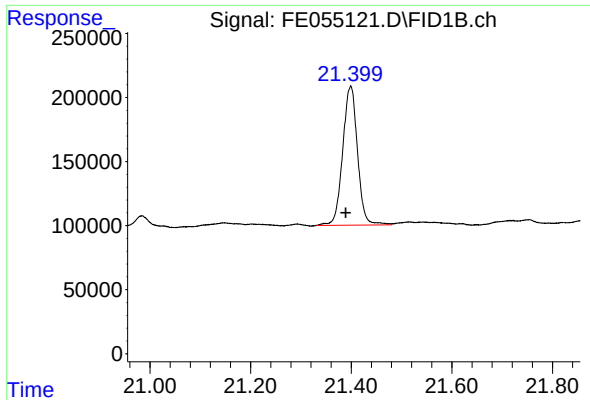
#19 n-Tetratriacontane (C34)

R.T.: 19.875 min
Delta R.T.: 0.008 min
Response: 2480102
Conc: 21.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.616 min
Delta R.T.: 0.007 min
Response: 2203306
Conc: 20.16 ug/ml



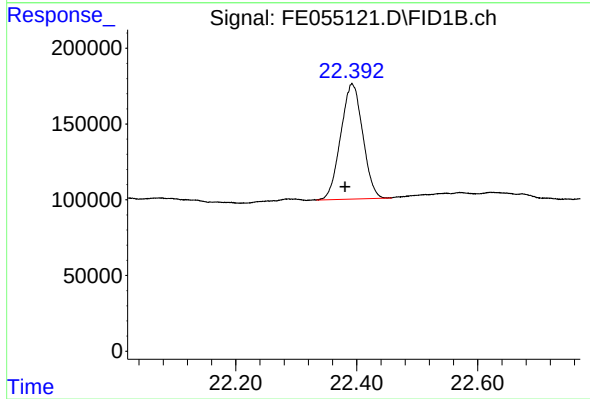
#21 n-Octatriacontane (C38)

R.T.: 21.399 min
Delta R.T.: 0.009 min
Response: 2218123
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.392 min
Delta R.T.: 0.011 min
Response: 1918318
Conc: 18.34 ug/ml m