

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
 Data File : FE054479.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jun 2025 13:07
 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 06/19/2025
 Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e
 Quant Time: Jun 19 01:34:05 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	3224606	19.515 ug/ml
Spiked Amount 50.000		Recovery =	39.03%
12) S 1-chlorooctadecane (S...	13.269	2391446	19.610 ug/ml
Spiked Amount 50.000		Recovery =	39.22%
Target Compounds			
1) T n-Nonane (C9)	3.173	2436706	19.622 ug/ml
2) T n-Decane (C10)	4.436	2482337	19.978 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2662519	19.702 ug/ml
4) T n-Dodecane (C12)	6.617	2550994	20.034 ug/ml
5) T A~2-methylnaphthalene...	7.253	2688721	20.299 ug/ml
6) T n-Tetradecane (C14)	8.452	2574809	19.888 ug/ml
7) T n-Hexadecane (C16)	10.064	2632309	19.816 ug/ml
8) T n-Octadecane (C18)	11.510	2671215	19.782 ug/ml
10) T n-Eicosane (C20)	12.824	2625224	19.624 ug/ml
11) T n-Heneicosane (C21)	13.437	2592244	19.495 ug/ml
13) T n-Docosane (C22)	14.024	2574239	19.633 ug/ml
14) T n-Tetracosane (C24)	15.129	2550522	19.772 ug/ml
15) T n-Hexacosane (C26)	16.152	2493282	19.862 ug/ml
16) T n-Octacosane (C28)	17.104	2501848	20.401 ug/ml
17) T n-Tricontane (C30)	17.993	2642880	21.323 ug/ml
18) T n-Dotriacontane (C32)	18.827	2735869	21.775 ug/ml
19) T n-Tetratriacontane (C34)	19.612	2633906	21.172 ug/ml
20) T n-Hexatriacontane (C36)	20.353	2644525	20.543 ug/ml
21) T n-Octatriacontane (C38)	21.079	2549070	19.305 ug/mlm
22) T n-Tetracontane (C40)	21.964	2644363	19.631 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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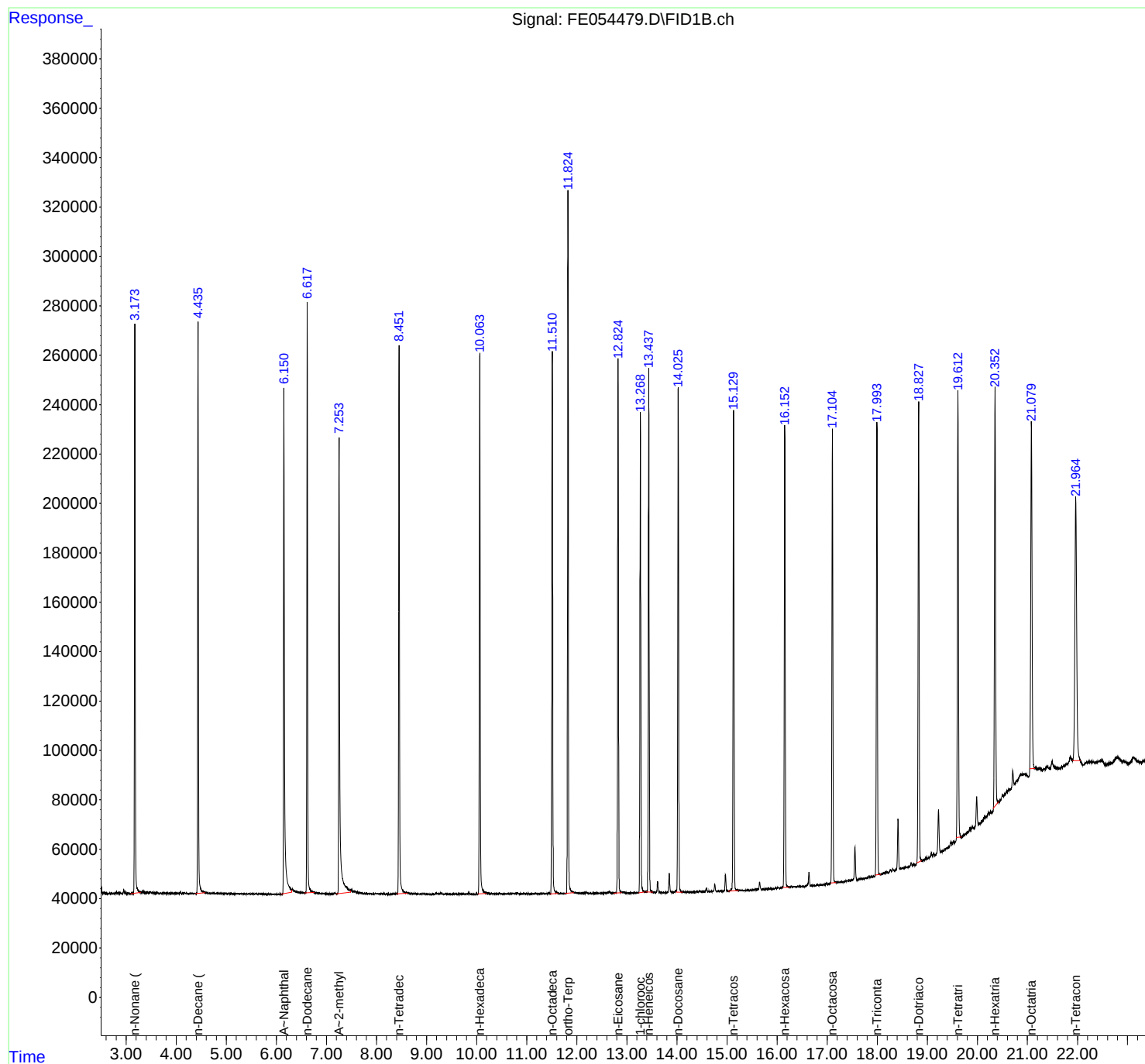
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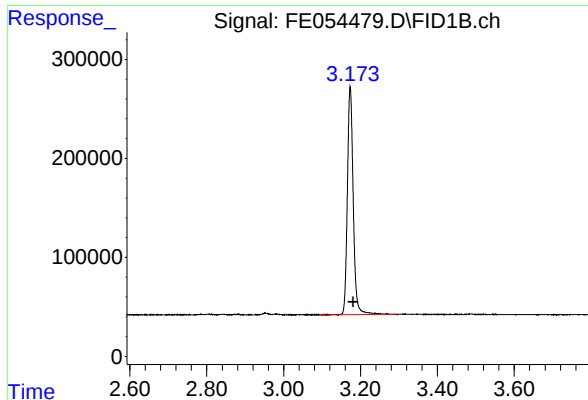
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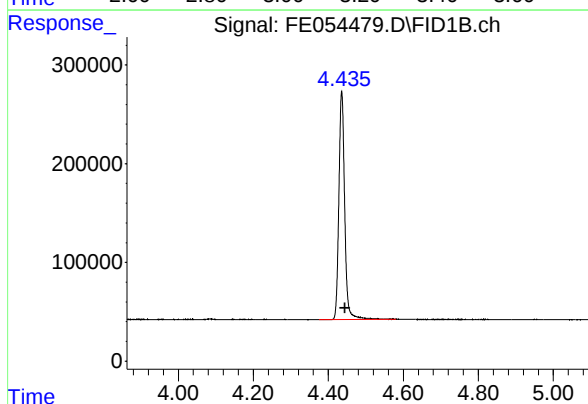
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2436706
Conc: 19.62 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

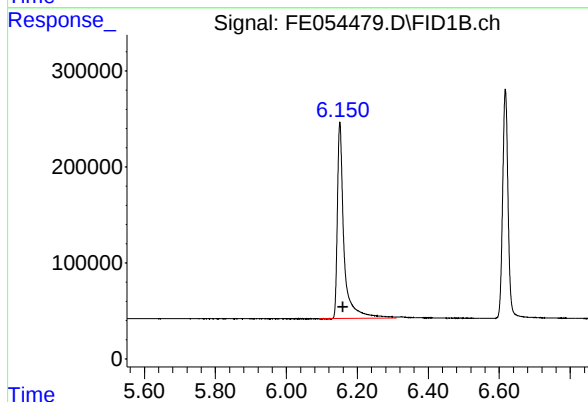
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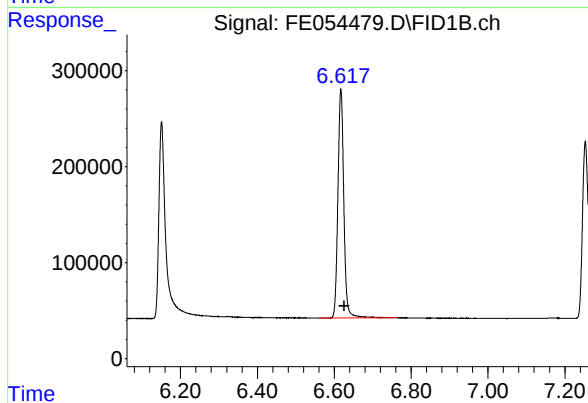
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.008 min
Response: 2482337
Conc: 19.98 ug/ml



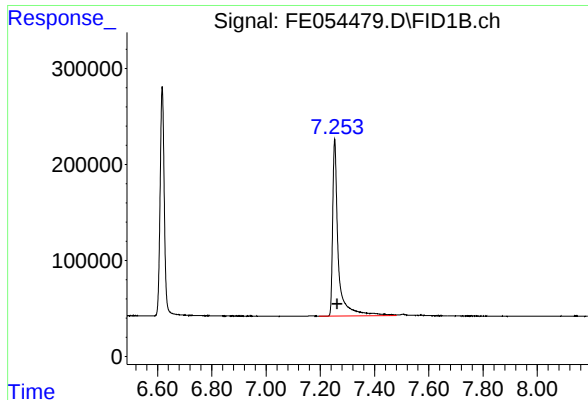
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2662519
Conc: 19.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2550994
Conc: 20.03 ug/ml



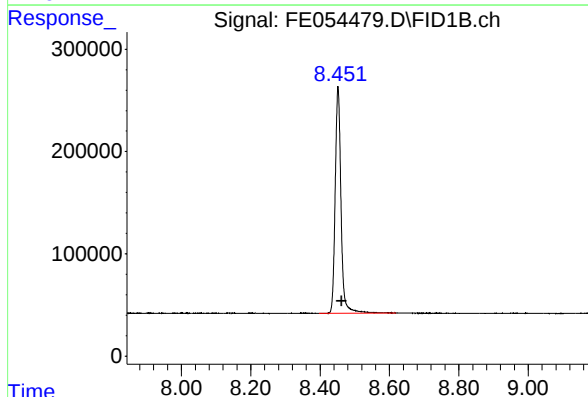
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.253 min
Delta R.T.: -0.009 min
Response: 2688721
Conc: 20.30 ug/ml

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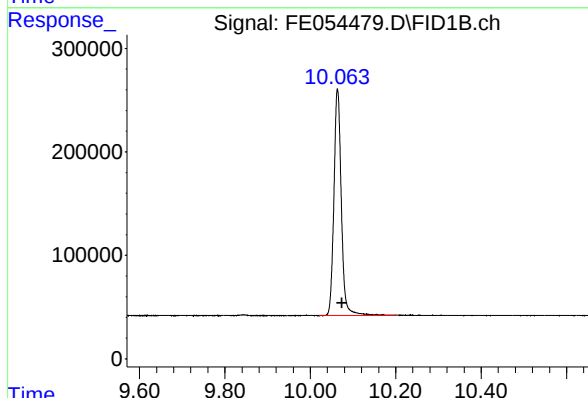
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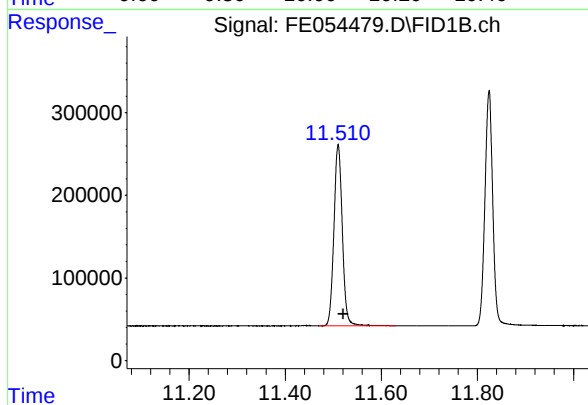
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2574809
Conc: 19.89 ug/ml



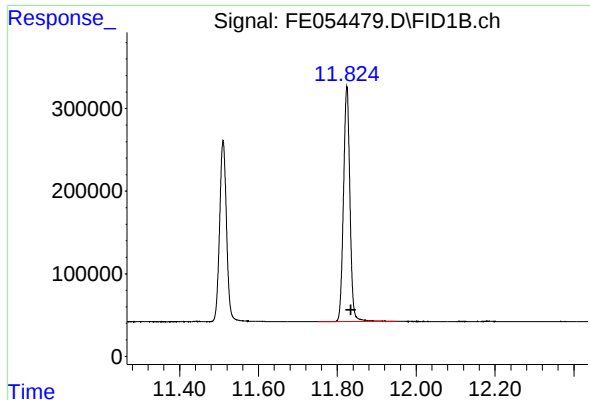
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2632309
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2671215
Conc: 19.78 ug/ml



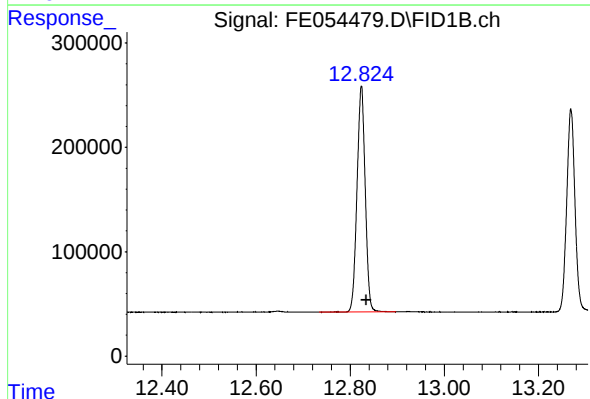
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3224606
Conc: 19.52 ug/ml

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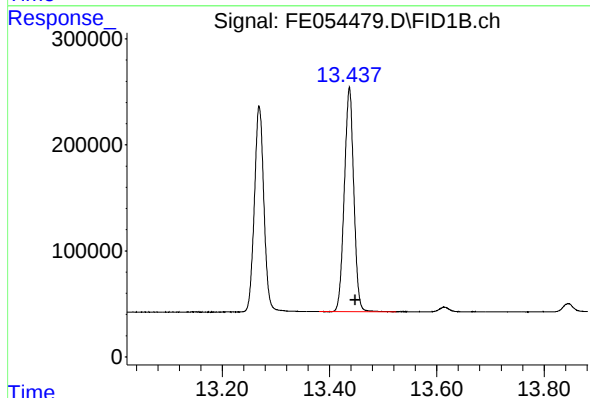
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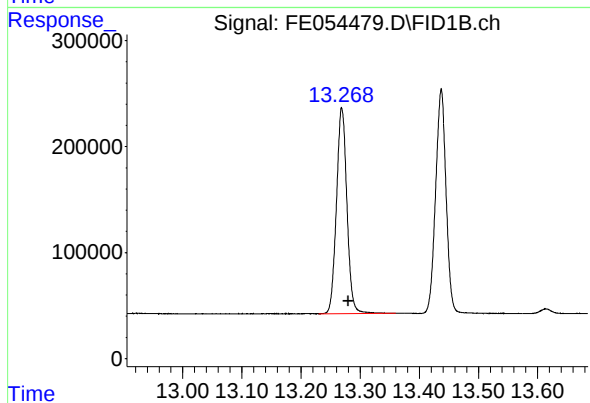
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 2625224
Conc: 19.62 ug/ml



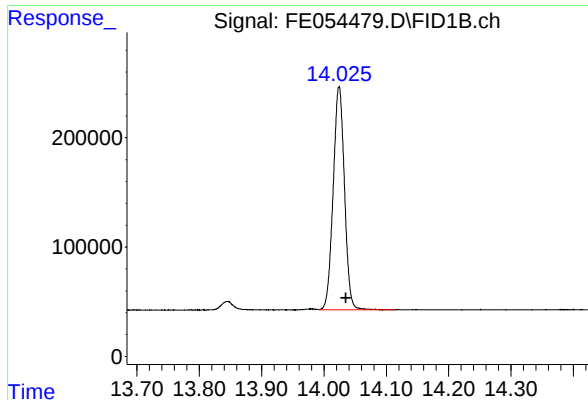
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2592244
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.010 min
Response: 2391446
Conc: 19.61 ug/ml



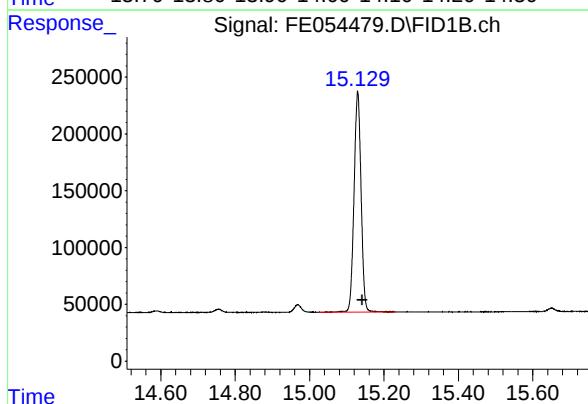
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 2574239
Conc: 19.63 ug/ml

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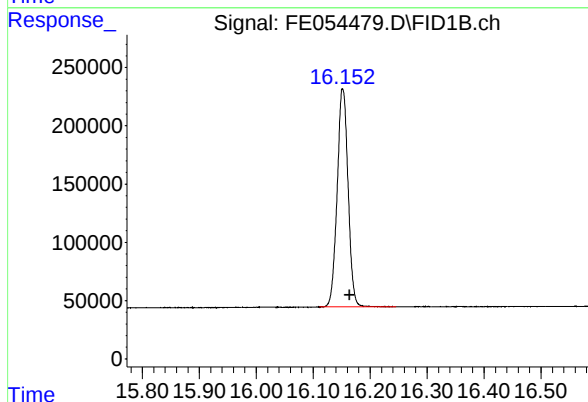
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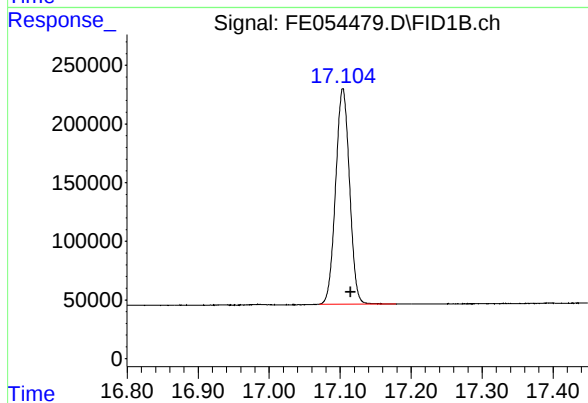
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.012 min
Response: 2550522
Conc: 19.77 ug/ml



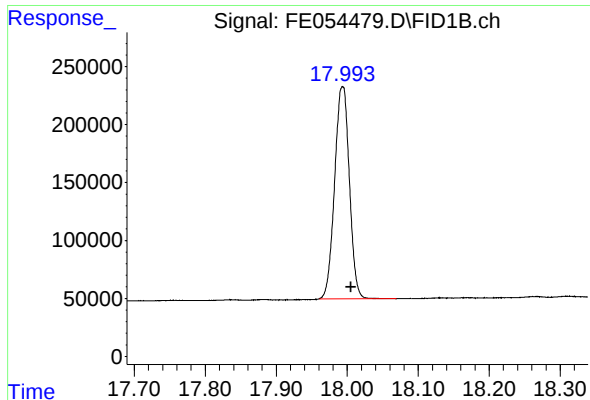
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2493282
Conc: 19.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2501848
Conc: 20.40 ug/ml



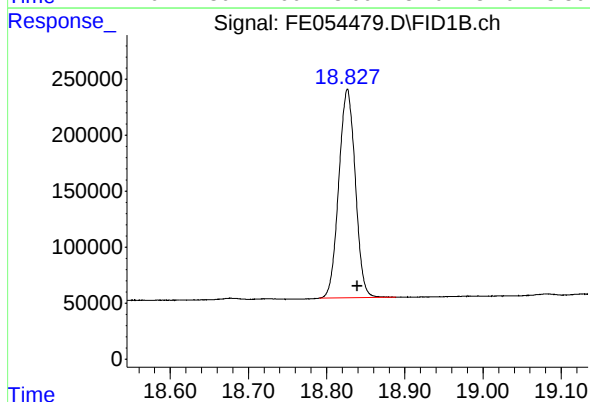
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 2642880
Conc: 21.32 ug/ml

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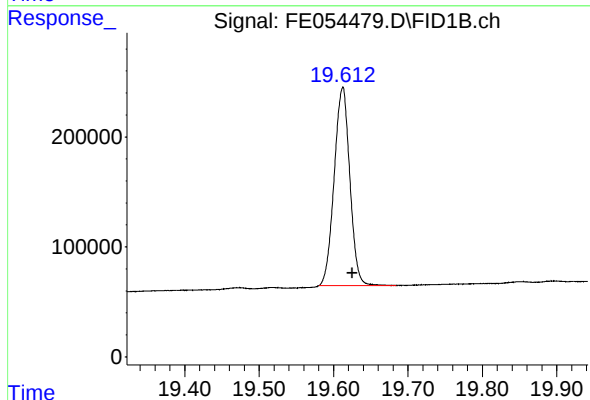
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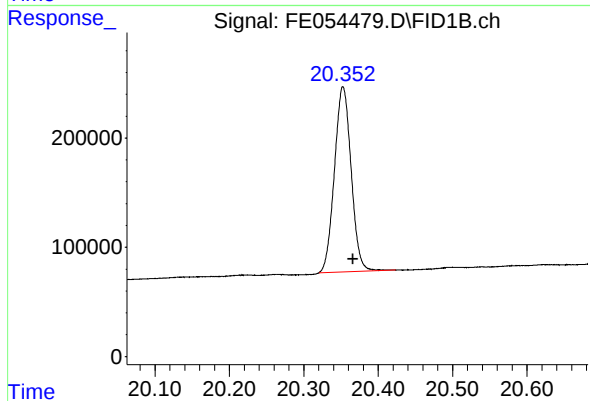
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 2735869
Conc: 21.77 ug/ml



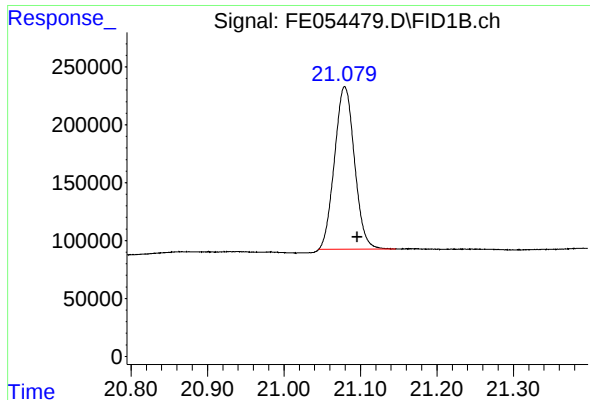
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 2633906
Conc: 21.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 2644525
Conc: 20.54 ug/ml



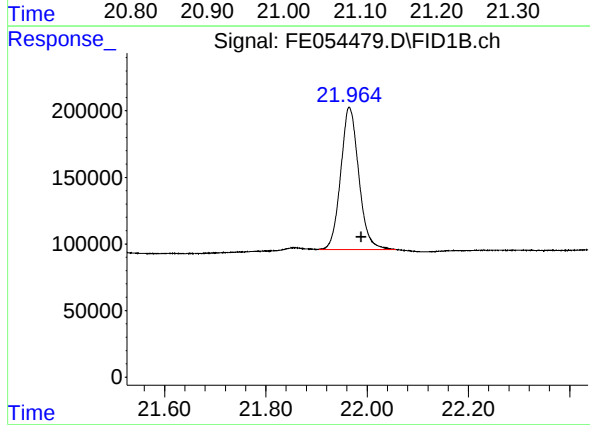
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.017 min
Response: 2549070
Conc: 19.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.024 min
Response: 2644363
Conc: 19.63 ug/ml m