

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061425AL\
 Data File : FE054374.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2025 10:18
 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 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 13 23:59:34 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)	11.822	3102683	18.777 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
12) S 1-chlorooctadecane (S...	13.267	2331482	19.119 ug/ml
Spiked Amount 50.000		Recovery =	38.24%
Target Compounds			
1) T n-Nonane (C9)	3.173	2254053	18.152 ug/ml
2) T n-Decane (C10)	4.437	2261611	18.202 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2389990	17.685 ug/ml
4) T n-Dodecane (C12)	6.618	2333710	18.328 ug/ml
5) T A~2-methylnaphthalene...	7.254	2487973	18.784 ug/ml
6) T n-Tetradecane (C14)	8.452	2360754	18.235 ug/ml
7) T n-Hexadecane (C16)	10.063	2426450	18.266 ug/ml
8) T n-Octadecane (C18)	11.509	2503842	18.542 ug/ml
10) T n-Eicosane (C20)	12.822	2502111	18.704 ug/ml
11) T n-Heneicosane (C21)	13.435	2504698	18.837 ug/ml
13) T n-Docosane (C22)	14.022	2505033	19.105 ug/ml
14) T n-Tetracosane (C24)	15.126	2499144	19.374 ug/ml
15) T n-Hexacosane (C26)	16.150	2442406	19.457 ug/ml
16) T n-Octacosane (C28)	17.100	2418047	19.718 ug/mlm
17) T n-Tricontane (C30)	17.989	2491141	20.099 ug/mlm
18) T n-Dotriacontane (C32)	18.823	2545243	20.258 ug/mlm
19) T n-Tetratriacontane (C34)	19.607	2520112	20.257 ug/mlm
20) T n-Hexatriacontane (C36)	20.347	2548327	19.796 ug/mlm
21) T n-Octatriacontane (C38)	21.074	2590119	19.616 ug/mlm
22) T n-Tetracontane (C40)	21.959	2622383	19.467 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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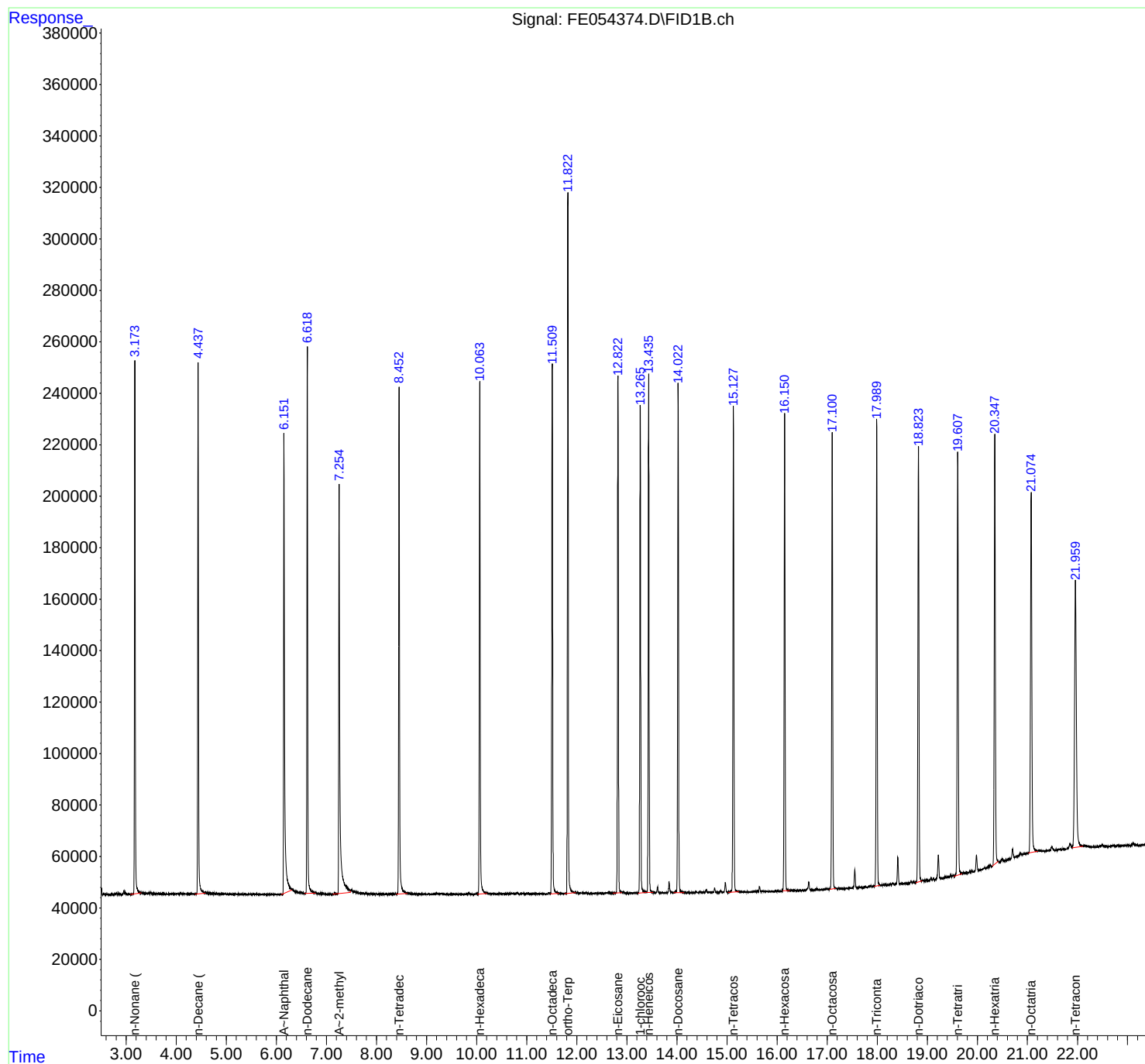
Instrument :
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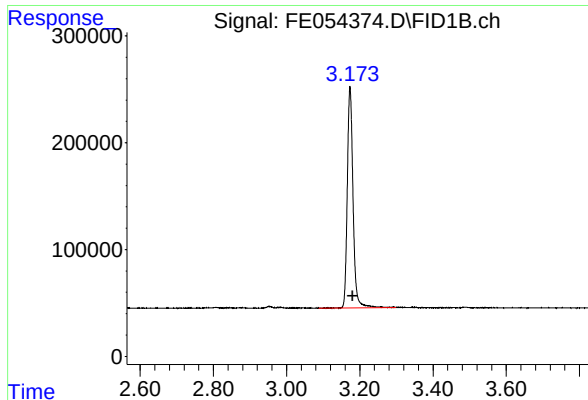
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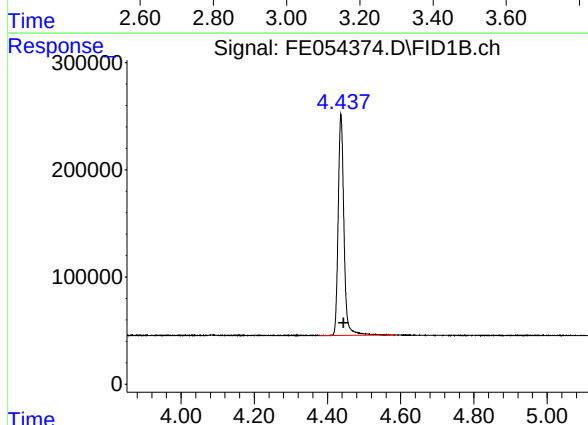
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2254053
Conc: 18.15 ug/ml

Instrument :
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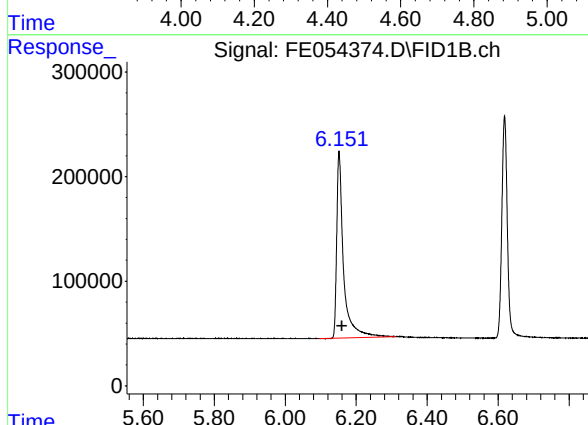
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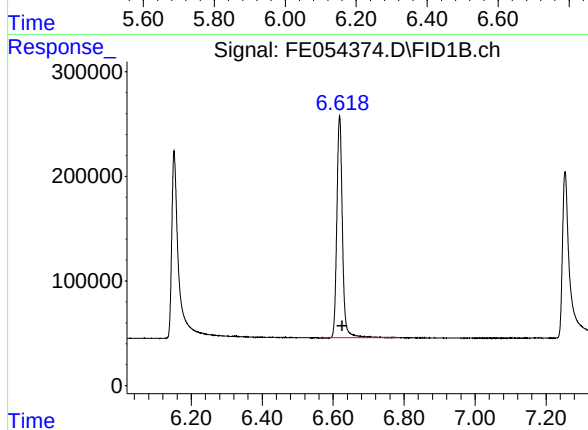
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.007 min
Response: 2261611
Conc: 18.20 ug/ml



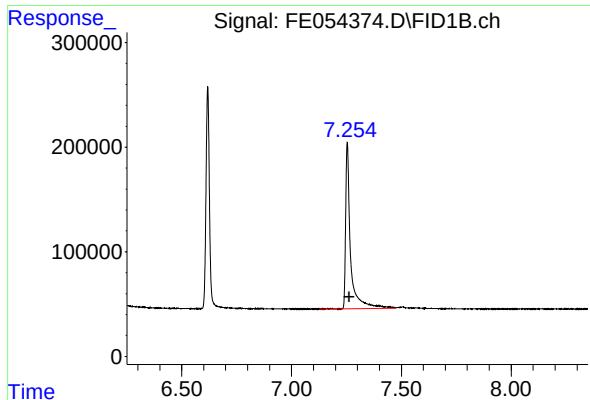
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.008 min
Response: 2389990
Conc: 17.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.618 min
Delta R.T.: -0.008 min
Response: 2333710
Conc: 18.33 ug/ml



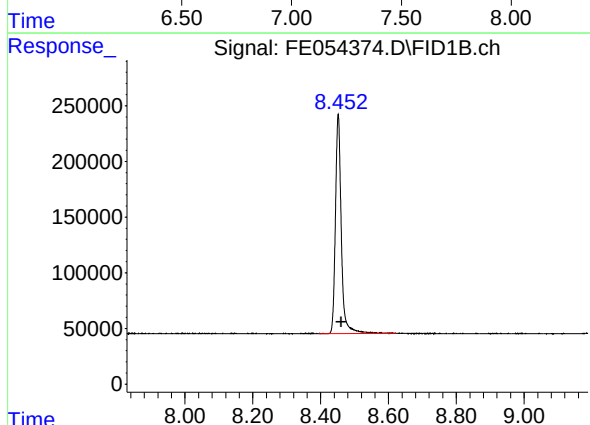
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2487973
Conc: 18.78 ug/ml

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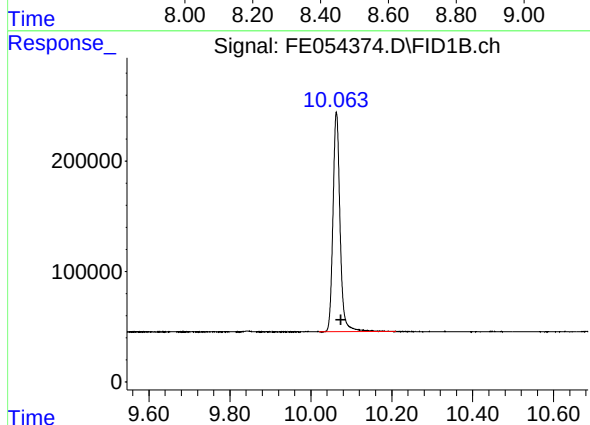
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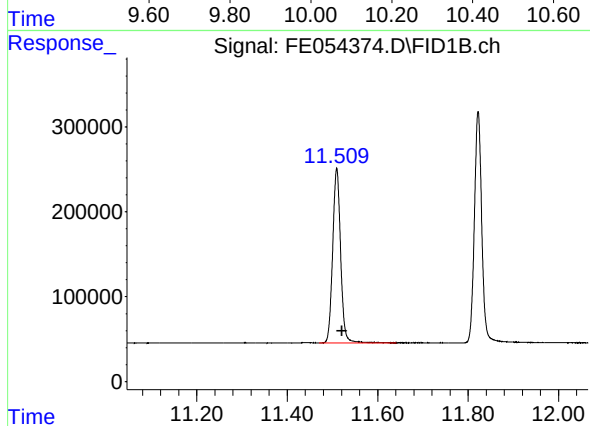
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2360754
Conc: 18.23 ug/ml



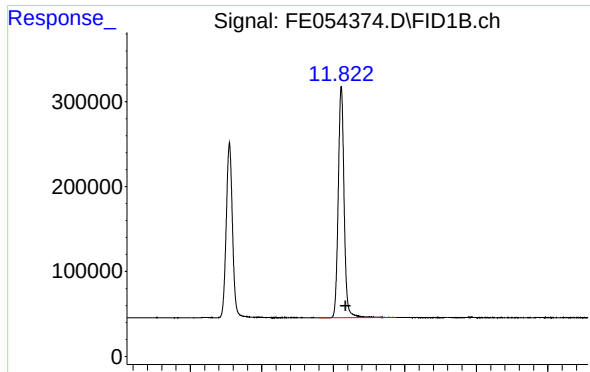
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.011 min
Response: 2426450
Conc: 18.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: -0.012 min
Response: 2503842
Conc: 18.54 ug/ml



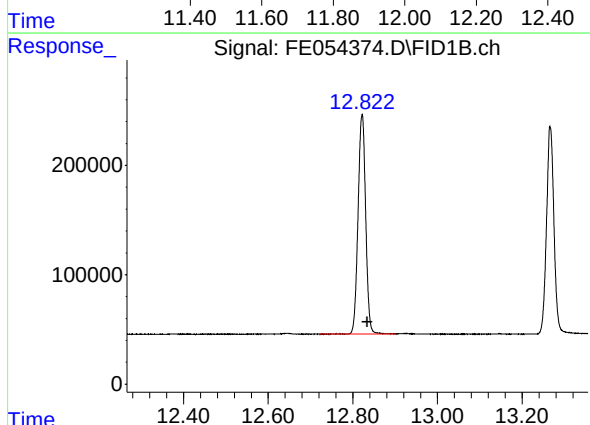
#9 ortho-Terphenyl (SURR)

R.T.: 11.822 min
Delta R.T.: -0.013 min
Response: 3102683
Conc: 18.78 ug/ml

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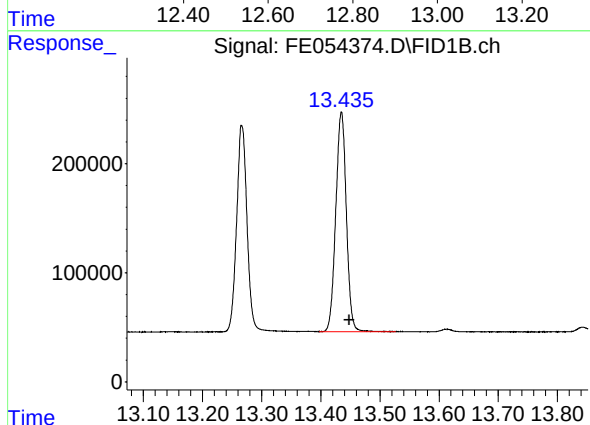
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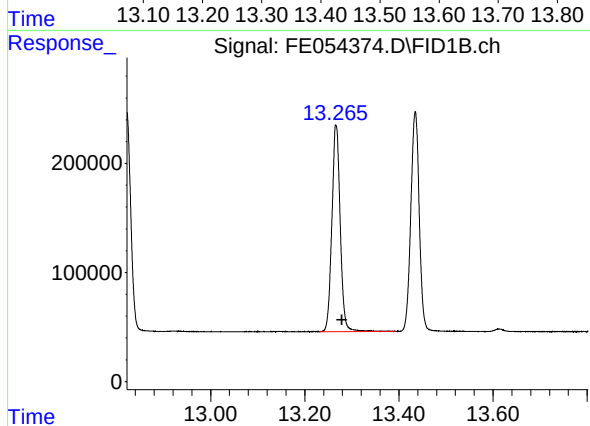
#10 n-Eicosane (C20)

R.T.: 12.822 min
Delta R.T.: -0.013 min
Response: 2502111
Conc: 18.70 ug/ml



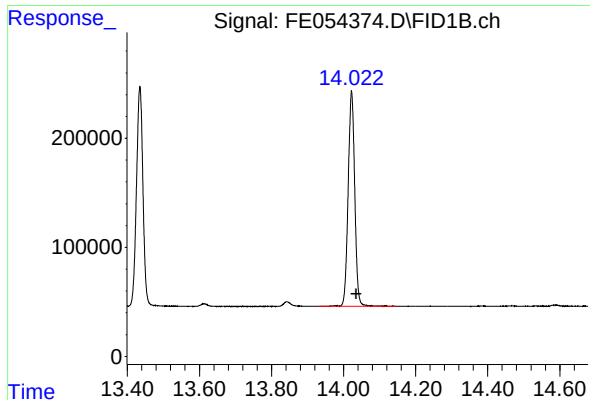
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.013 min
Response: 2504698
Conc: 18.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.267 min
Delta R.T.: -0.013 min
Response: 2331482
Conc: 19.12 ug/ml



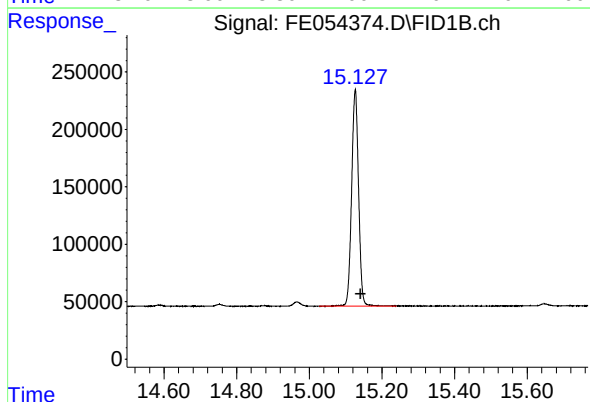
#13 n-Docosane (C22)

R.T.: 14.022 min
Delta R.T.: -0.013 min
Response: 2505033
Conc: 19.10 ug/ml

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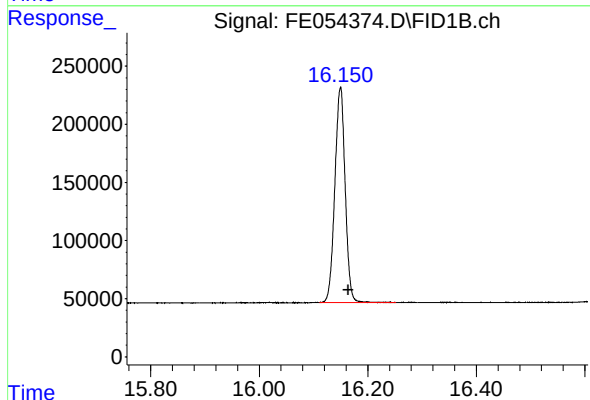
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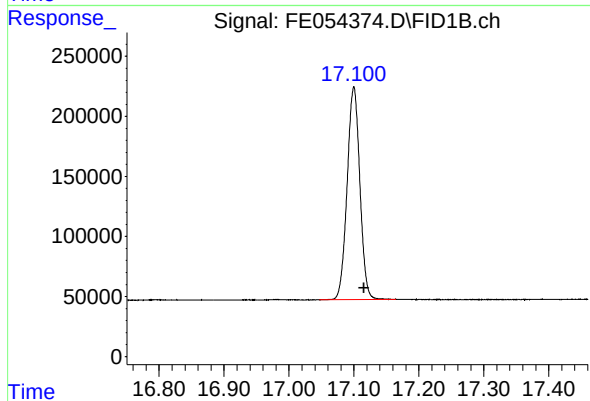
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.015 min
Response: 2499144
Conc: 19.37 ug/ml



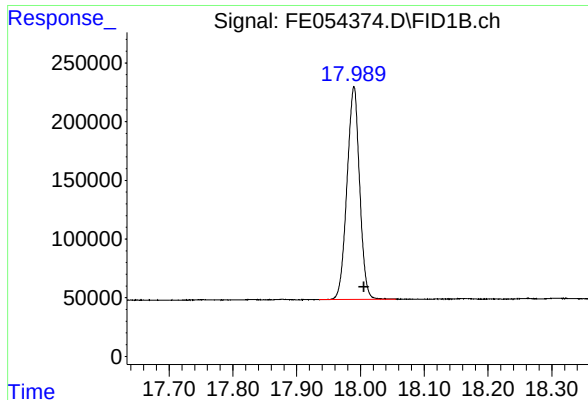
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.015 min
Response: 2442406
Conc: 19.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.015 min
Response: 2418047
Conc: 19.72 ug/ml m



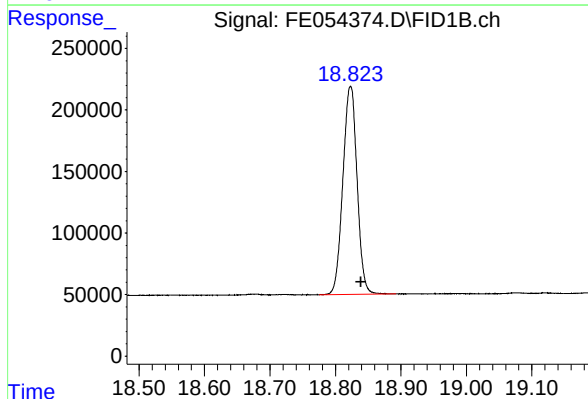
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.016 min
Response: 2491141
Conc: 20.10 ug/ml

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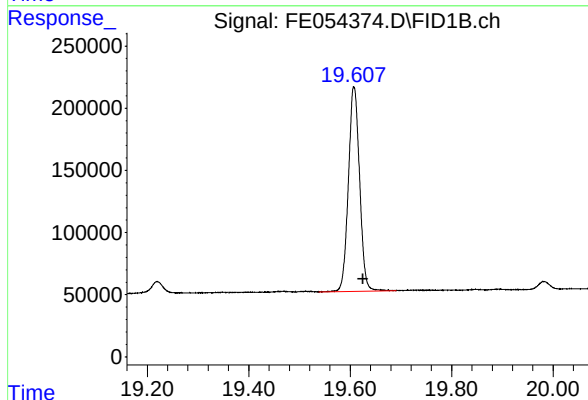
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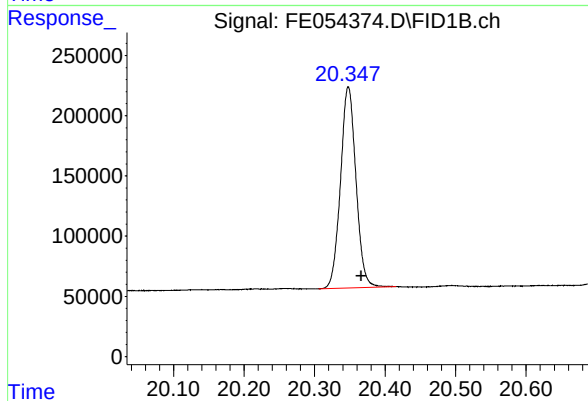
#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: -0.016 min
Response: 2545243
Conc: 20.26 ug/ml m



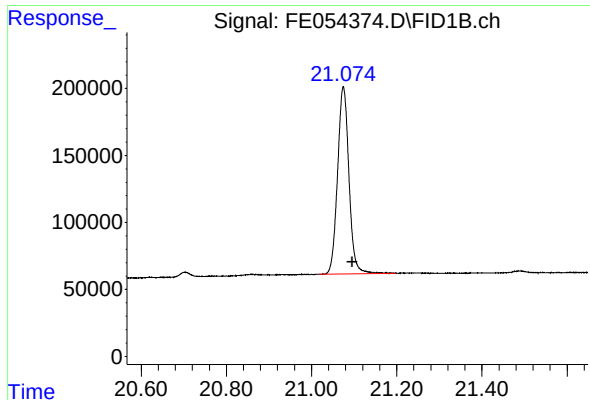
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: -0.018 min
Response: 2520112
Conc: 20.26 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.019 min
Response: 2548327
Conc: 19.80 ug/ml m



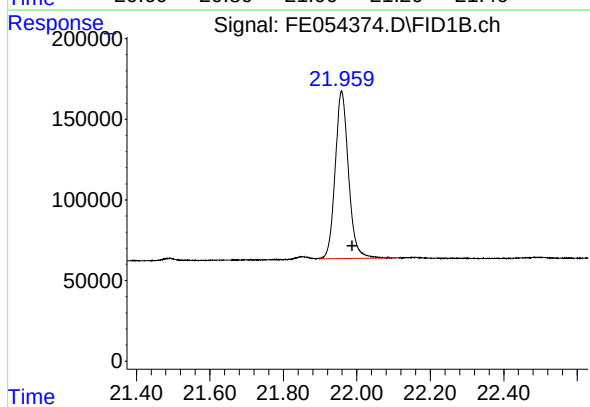
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.021 min
Response: 2590119
Conc: 19.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: -0.029 min
Response: 2622383
Conc: 19.47 ug/ml m