

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051325AL\
 Data File : FE053805.D
 Signal(s) : FID1B.ch
 Acq On : 13 May 2025 23:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/14/2025
 Supervised By :mohammad ahmed 05/15/2025

Integration File: autoint1.e
 Quant Time: May 14 02:40:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.850	3452505	19.142 ug/ml
Spiked Amount 50.000		Recovery =	38.28%
12) S 1-chlorooctadecane (S...	13.294	2538358	18.778 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
Target Compounds			
1) T n-Nonane (C9)	3.201	2823184	20.592 ug/ml
2) T n-Decane (C10)	4.462	2869117	20.740 ug/ml
3) T A~Naphthalene (C11.7)	6.174	3086969	20.451 ug/ml
4) T n-Dodecane (C12)	6.643	2908419	20.738 ug/ml
5) T A~2-methylnaphthalene...	7.276	2986014	20.000 ug/ml
6) T n-Tetradecane (C14)	8.477	2874023	20.486 ug/ml
7) T n-Hexadecane (C16)	10.090	2876347	20.069 ug/ml
8) T n-Octadecane (C18)	11.536	2864797	19.658 ug/ml
10) T n-Eicosane (C20)	12.849	2797212	19.223 ug/ml
11) T n-Heneicosane (C21)	13.462	2760318	19.057 ug/ml
13) T n-Docosane (C22)	14.050	2740480	18.991 ug/ml
14) T n-Tetracosane (C24)	15.156	2697523	18.780 ug/ml
15) T n-Hexacosane (C26)	16.178	2654635	18.744 ug/ml
16) T n-Octacosane (C28)	17.129	2681058	19.271 ug/ml
17) T n-Tricontane (C30)	18.017	2868449	20.607 ug/mlm
18) T n-Dotriacontane (C32)	18.851	2875371	20.941 ug/mlm
19) T n-Tetratriacontane (C34)	19.637	2700618	20.727 ug/ml
20) T n-Hexatriacontane (C36)	20.378	2619294	20.747 ug/mlm
21) T n-Octatriacontane (C38)	21.109	2461264	20.202 ug/mlm
22) T n-Tetracontane (C40)	22.005	2333525	19.540 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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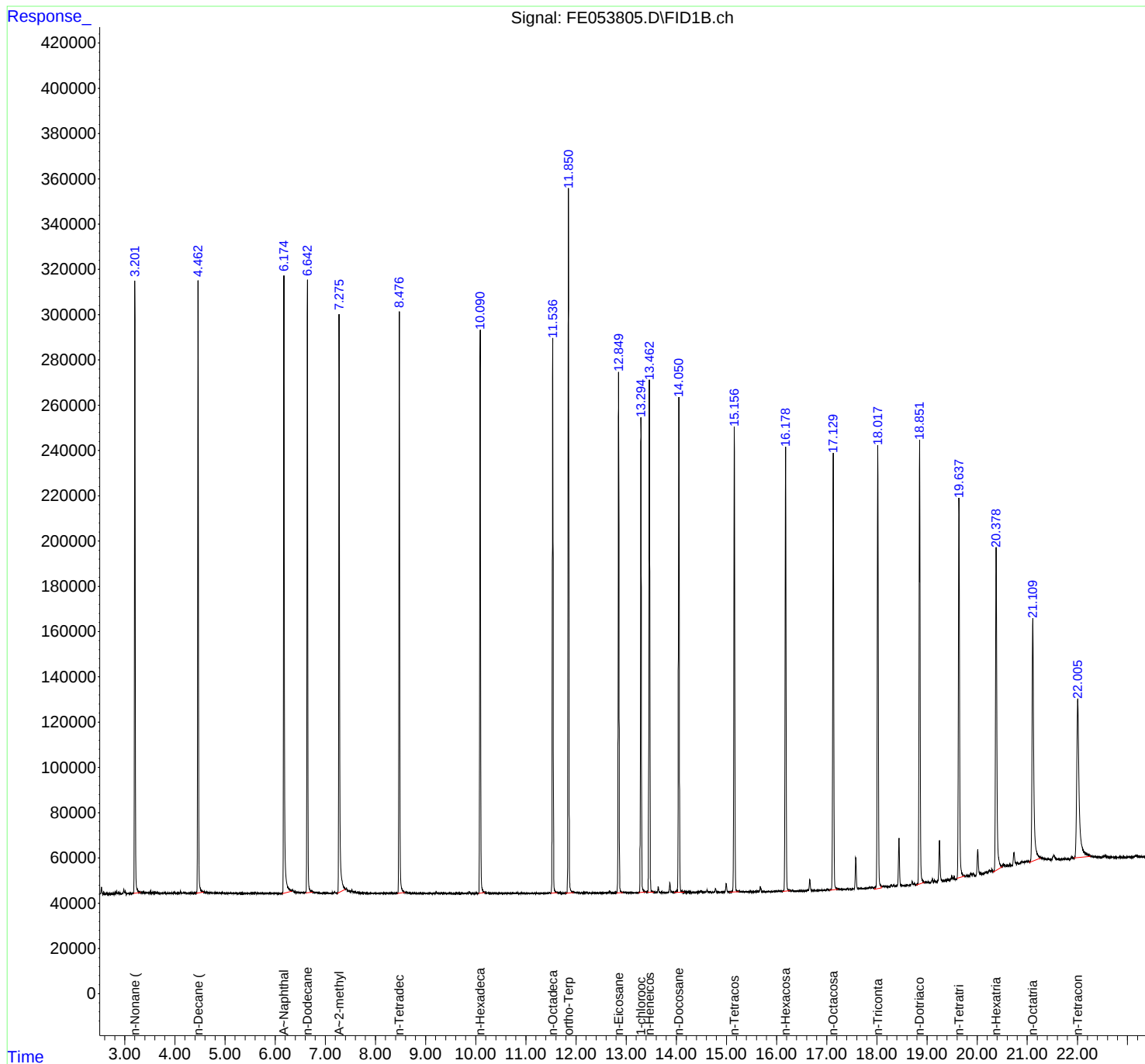
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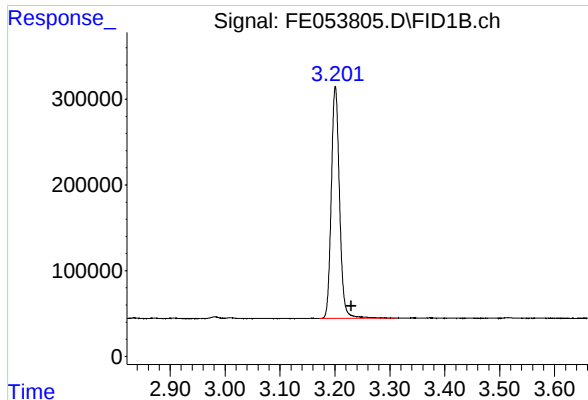
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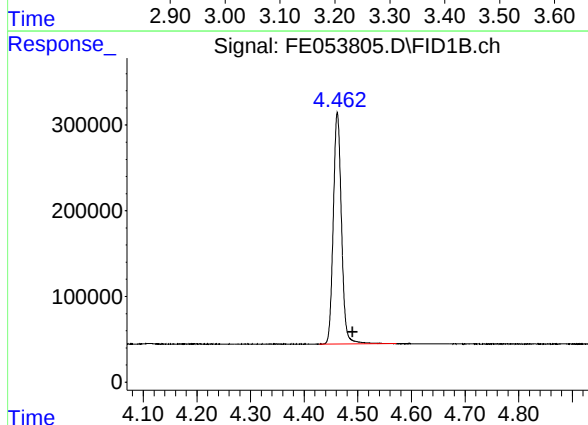
#1 n-Nonane (C9)

R.T.: 3.201 min
Delta R.T.: -0.029 min
Response: 2823184
Conc: 20.59 ug/ml

Instrument :
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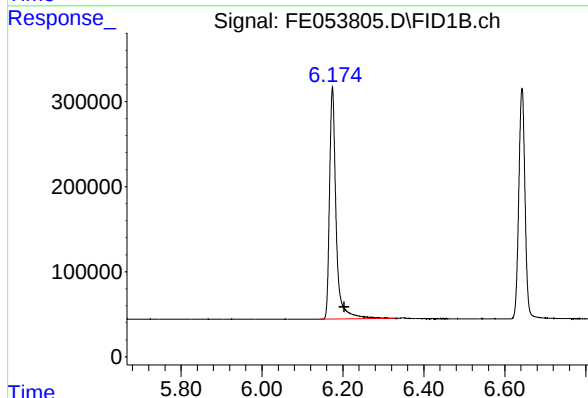
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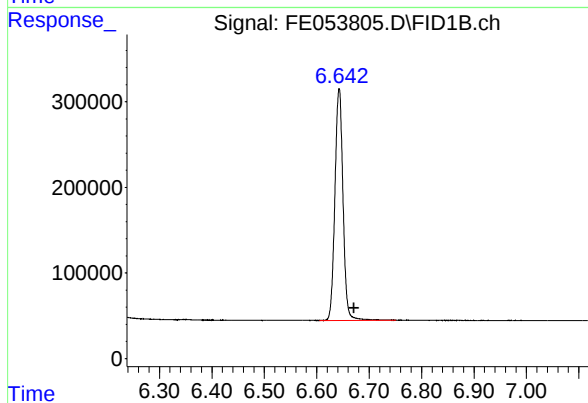
#2 n-Decane (C10)

R.T.: 4.462 min
Delta R.T.: -0.029 min
Response: 2869117
Conc: 20.74 ug/ml



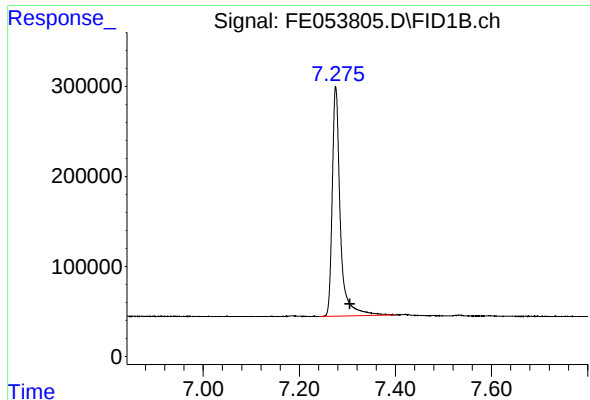
#3 A~Naphthalene (C11.7)

R.T.: 6.174 min
Delta R.T.: -0.029 min
Response: 3086969
Conc: 20.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.643 min
Delta R.T.: -0.028 min
Response: 2908419
Conc: 20.74 ug/ml



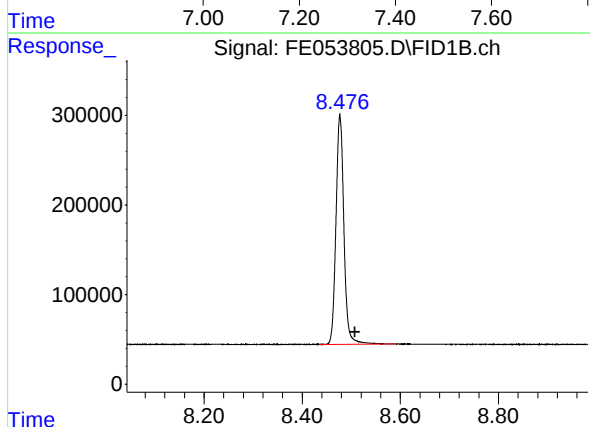
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.030 min
Response: 2986014
Conc: 20.00 ug/ml

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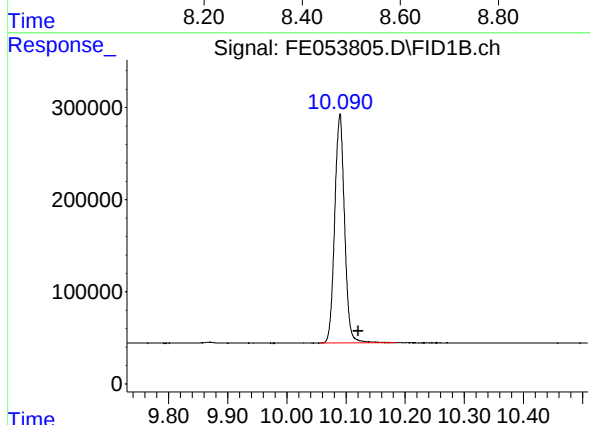
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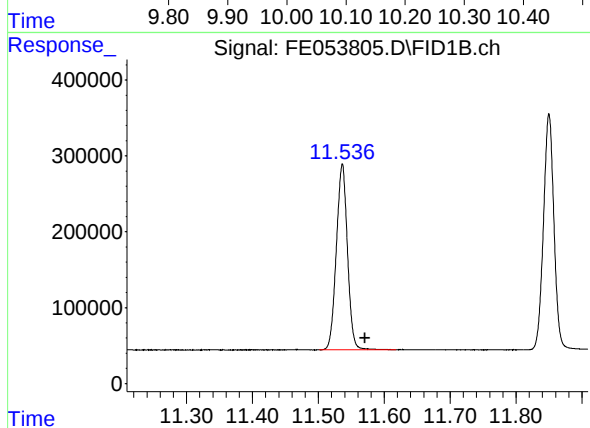
#6 n-Tetradecane (C14)

R.T.: 8.477 min
Delta R.T.: -0.030 min
Response: 2874023
Conc: 20.49 ug/ml



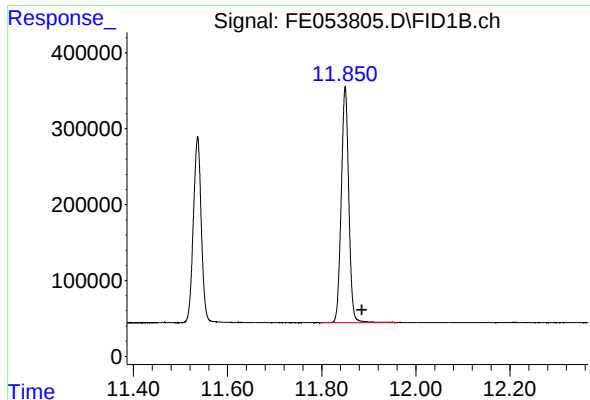
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: -0.031 min
Response: 2876347
Conc: 20.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.536 min
Delta R.T.: -0.034 min
Response: 2864797
Conc: 19.66 ug/ml



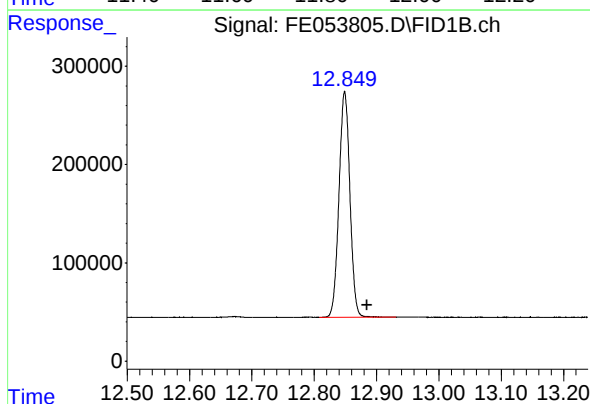
#9 ortho-Terphenyl (SURR)

R.T.: 11.850 min
Delta R.T.: -0.036 min
Response: 3452505
Conc: 19.14 ug/ml

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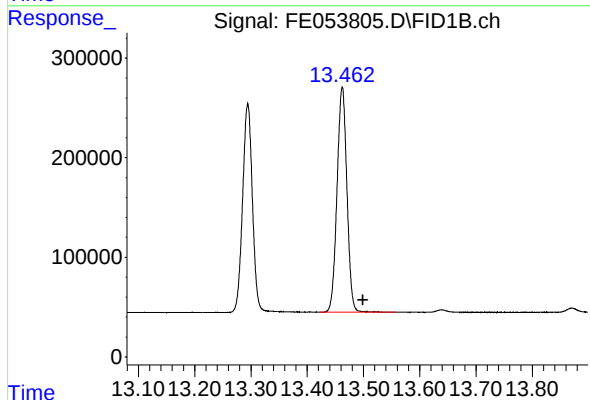
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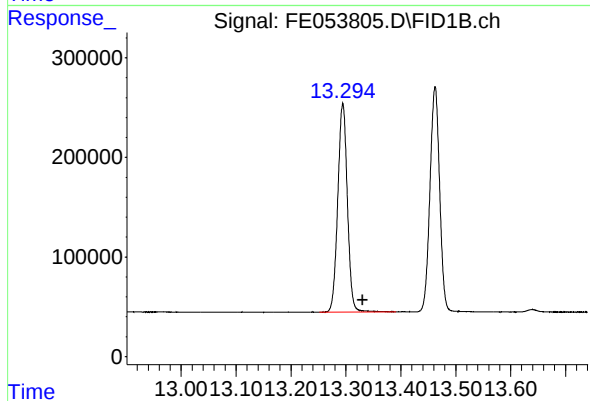
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: -0.036 min
Response: 2797212
Conc: 19.22 ug/ml



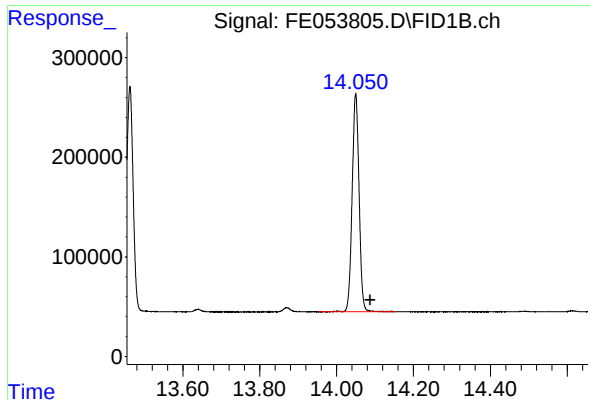
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: -0.037 min
Response: 2760318
Conc: 19.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: -0.036 min
Response: 2538358
Conc: 18.78 ug/ml



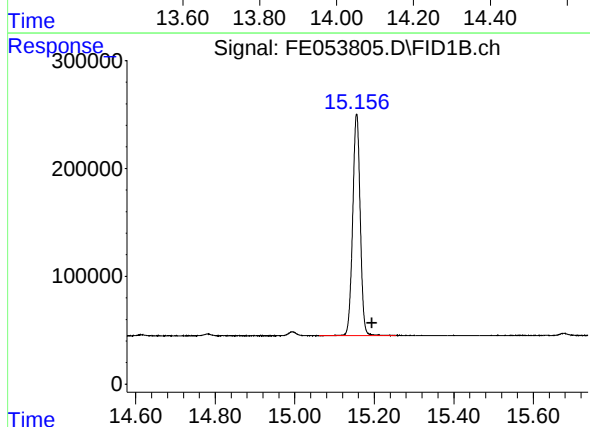
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: -0.038 min
Response: 2740480
Conc: 18.99 ug/ml

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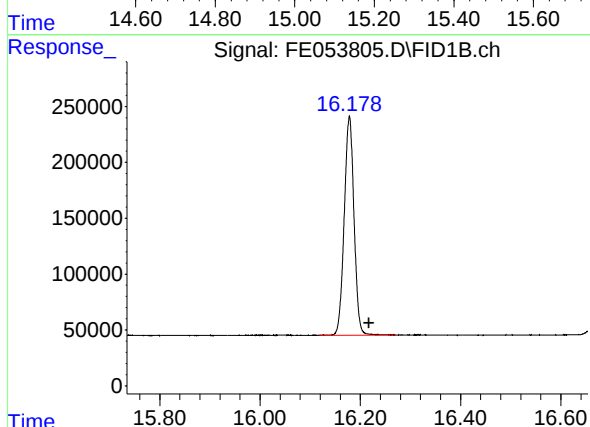
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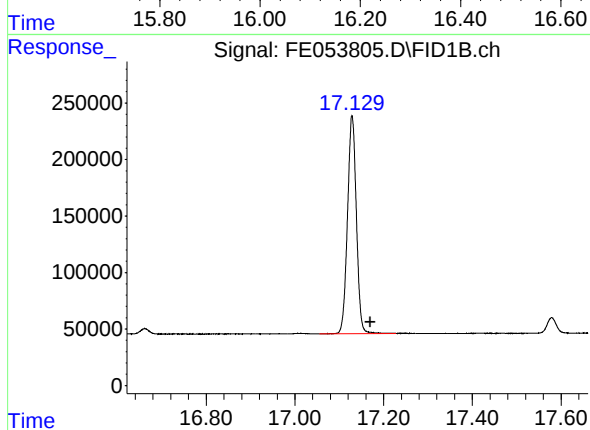
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: -0.038 min
Response: 2697523
Conc: 18.78 ug/ml



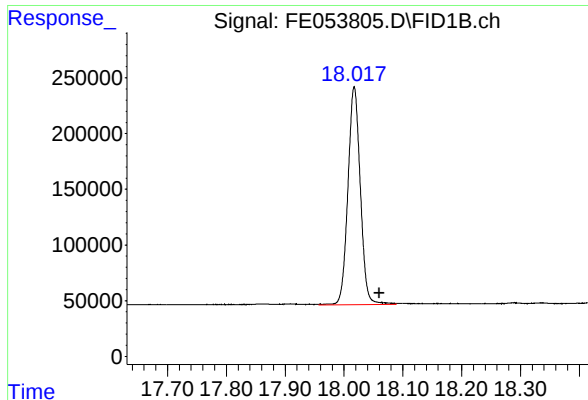
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: -0.040 min
Response: 2654635
Conc: 18.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.041 min
Response: 2681058
Conc: 19.27 ug/ml



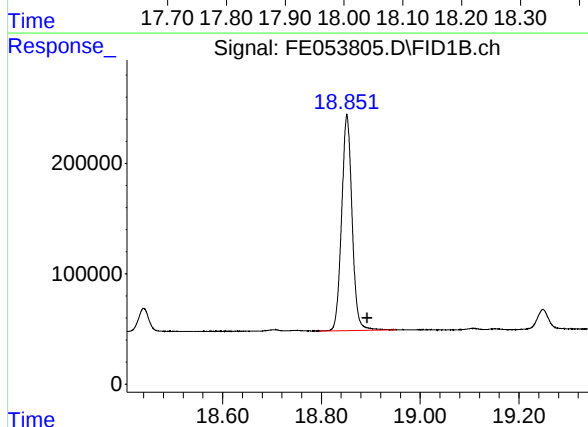
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.043 min
Response: 2868449
Conc: 20.61 ug/ml

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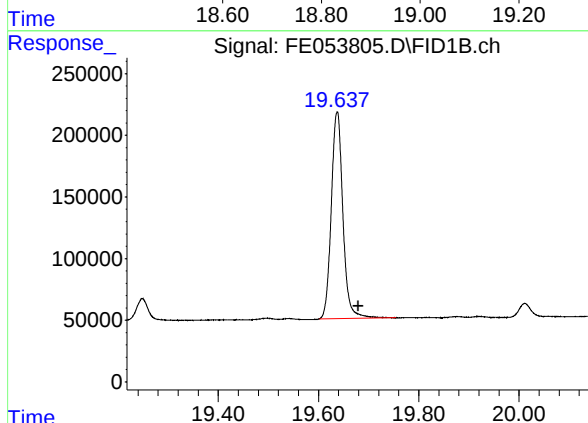
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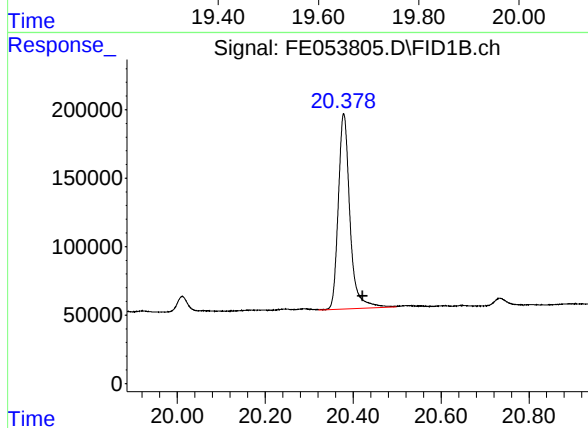
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.042 min
Response: 2875371
Conc: 20.94 ug/ml m



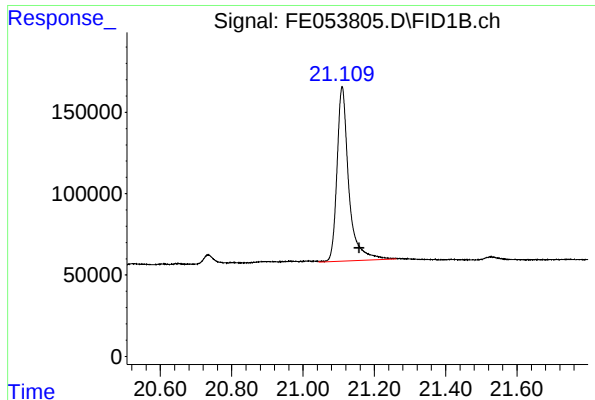
#19 n-Tetratriacontane (C34)

R.T.: 19.637 min
Delta R.T.: -0.042 min
Response: 2700618
Conc: 20.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.378 min
Delta R.T.: -0.044 min
Response: 2619294
Conc: 20.75 ug/ml m



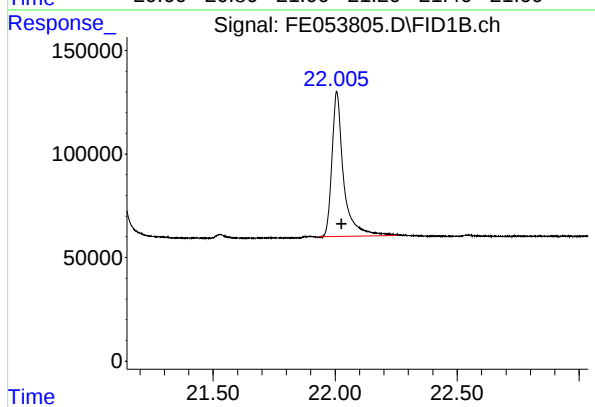
#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.049 min
Response: 2461264
Conc: 20.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.005 min
Delta R.T.: -0.022 min
Response: 2333525
Conc: 19.54 ug/ml m