

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041525AL\
 Data File : FE053359.D
 Signal(s) : FID1B.ch
 Acq On : 15 Apr 2025 08:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/16/2025
 Supervised By :mohammad ahmed 04/17/2025

Integration File: autoint1.e
 Quant Time: Apr 15 11:17:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.898	3161745	19.411 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
12) S 1-chlorooctadecane (S...	13.344	2348819	19.566 ug/ml
Spiked Amount 50.000		Recovery =	39.13%
Target Compounds			
1) T n-Nonane (C9)	3.236	3099241	20.016 ug/ml
2) T n-Decane (C10)	4.498	3161014	20.152 ug/ml
3) T A~Naphthalene (C11.7)	6.213	3337293	19.866 ug/ml
4) T n-Dodecane (C12)	6.680	3172187	20.283 ug/ml
5) T A~2-methylnaphthalene...	7.317	3150998	19.748 ug/ml
6) T n-Tetradecane (C14)	8.517	3102033	20.259 ug/ml
7) T n-Hexadecane (C16)	10.133	3098596	20.102 ug/ml
8) T n-Octadecane (C18)	11.583	3009364	19.842 ug/ml
10) T n-Eicosane (C20)	12.898	2805387	19.676 ug/ml
11) T n-Heneicosane (C21)	13.512	2717818	19.585 ug/ml
13) T n-Docosane (C22)	14.101	2687949	19.626 ug/ml
14) T n-Tetracosane (C24)	15.208	2683857	19.872 ug/ml
15) T n-Hexacosane (C26)	16.232	2681408	20.099 ug/ml
16) T n-Octacosane (C28)	17.186	2718691	20.601 ug/ml
17) T n-Tricontane (C30)	18.076	2844793	20.989 ug/ml
18) T n-Dotriacontane (C32)	18.911	2838322	21.093 ug/ml
19) T n-Tetratriacontane (C34)	19.697	2574523	19.896 ug/ml
20) T n-Hexatriacontane (C36)	20.439	2058868	17.332 ug/ml
21) T n-Octatriacontane (C38)	21.179	1746113	15.192 ug/ml
22) T n-Tetracontane (C40)	22.097	1860578	16.566 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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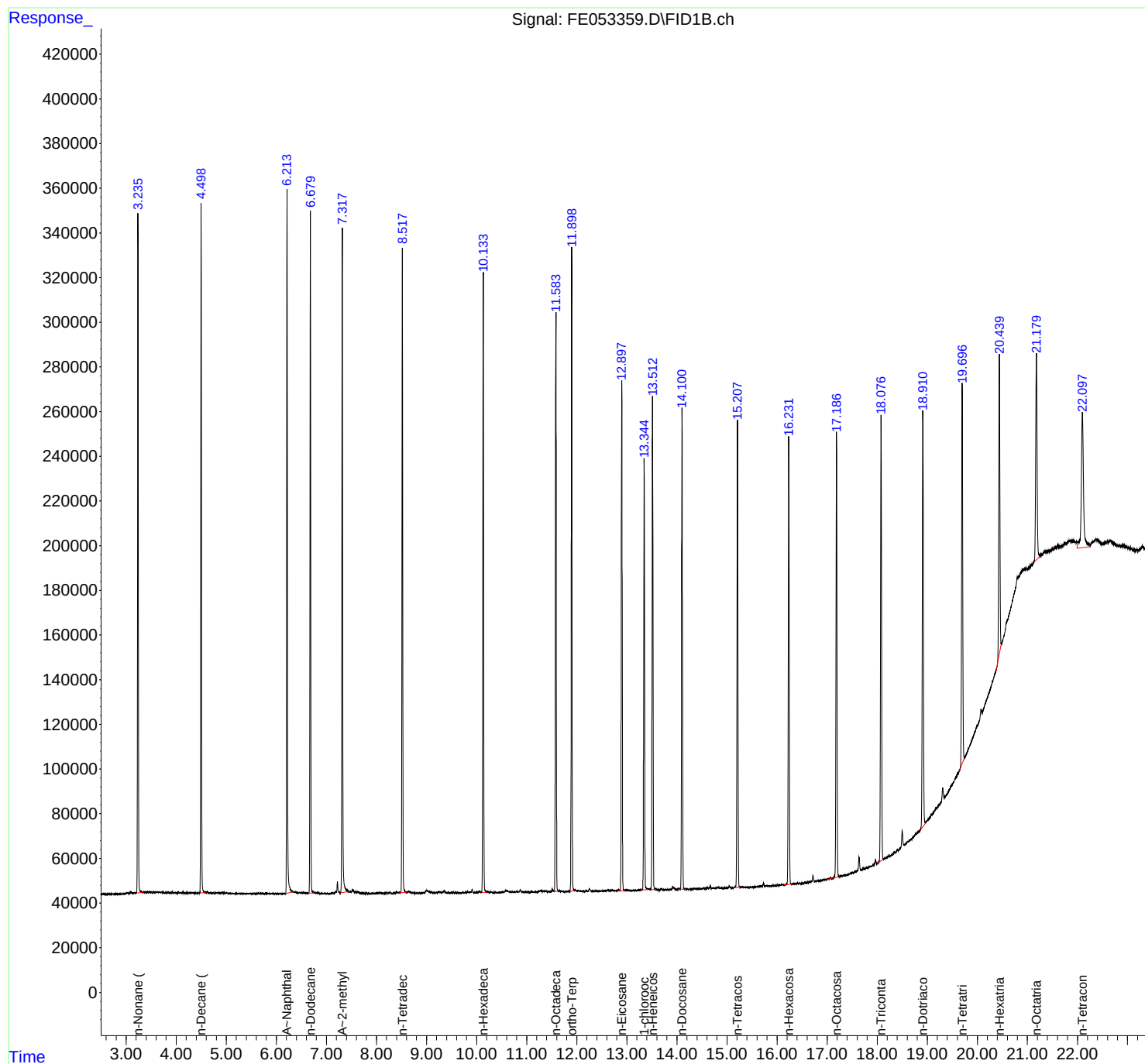
Instrument :
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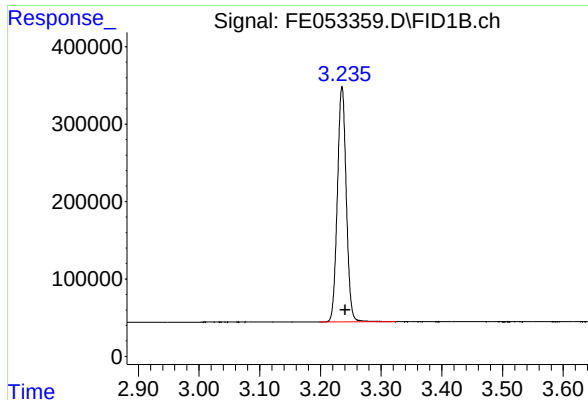
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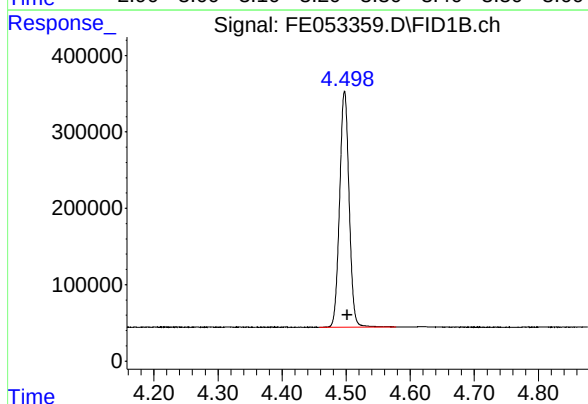
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.005 min
Response: 3099241
Conc: 20.02 ug/ml

Instrument : FID_E
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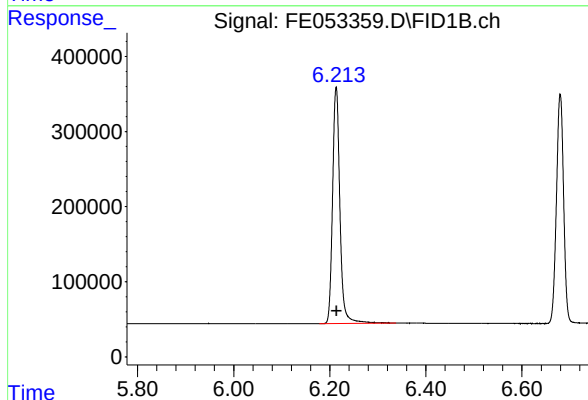
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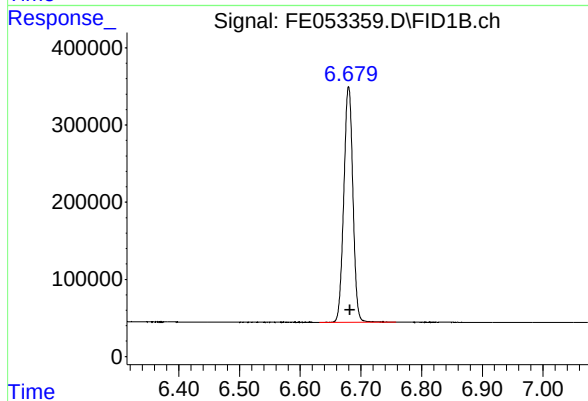
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.004 min
Response: 3161014
Conc: 20.15 ug/ml



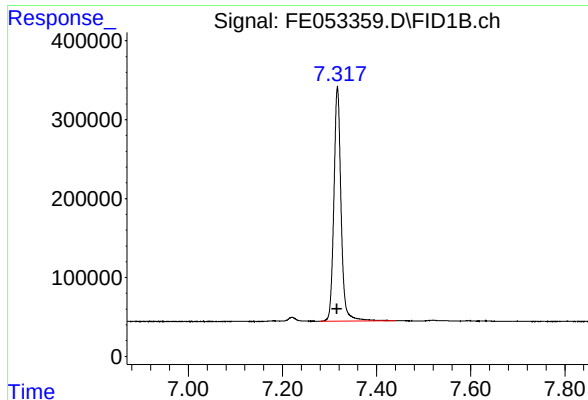
#3 A~Naphthalene (C11.7)

R.T.: 6.213 min
Delta R.T.: 0.000 min
Response: 3337293
Conc: 19.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.680 min
Delta R.T.: -0.002 min
Response: 3172187
Conc: 20.28 ug/ml



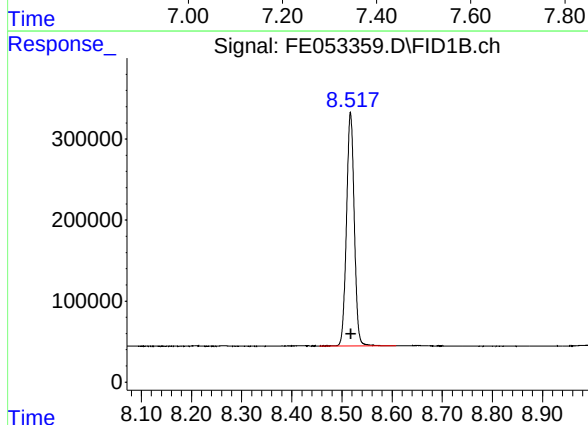
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 3150998
Conc: 19.75 ug/ml

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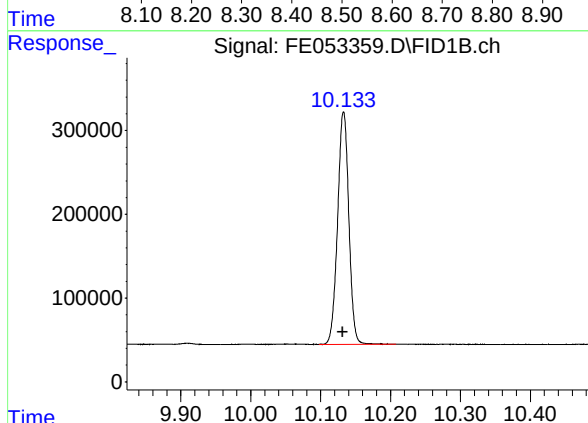
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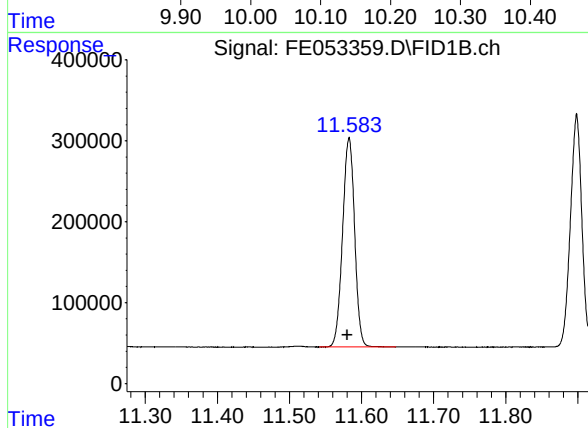
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: 0.000 min
Response: 3102033
Conc: 20.26 ug/ml



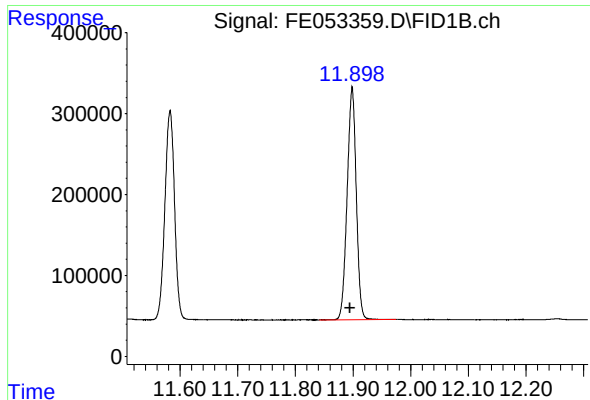
#7 n-Hexadecane (C16)

R.T.: 10.133 min
Delta R.T.: 0.001 min
Response: 3098596
Conc: 20.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.583 min
Delta R.T.: 0.002 min
Response: 3009364
Conc: 19.84 ug/ml



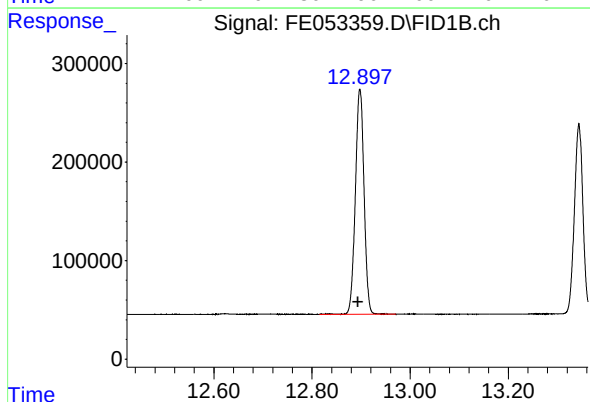
#9 ortho-Terphenyl (SURR)

R.T.: 11.898 min
Delta R.T.: 0.003 min
Response: 3161745
Conc: 19.41 ug/ml

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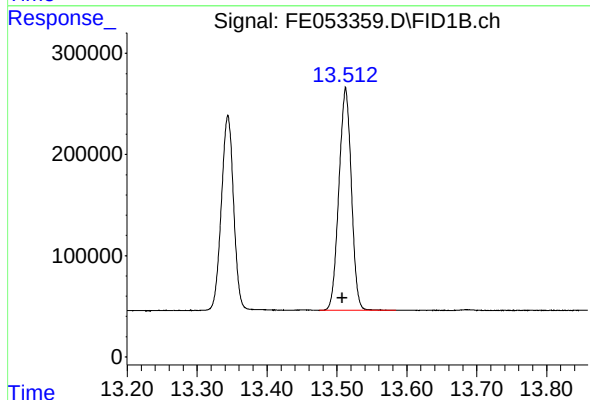
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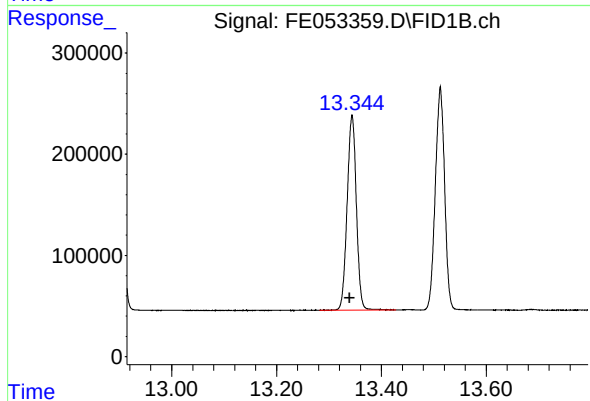
#10 n-Eicosane (C20)

R.T.: 12.898 min
Delta R.T.: 0.004 min
Response: 2805387
Conc: 19.68 ug/ml



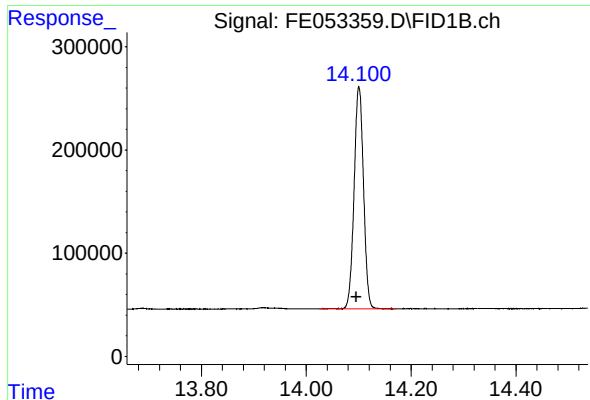
#11 n-Heneicosane (C21)

R.T.: 13.512 min
Delta R.T.: 0.004 min
Response: 2717818
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.344 min
Delta R.T.: 0.004 min
Response: 2348819
Conc: 19.57 ug/ml



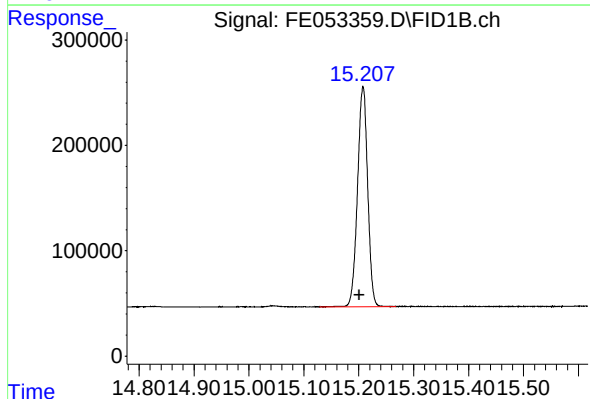
#13 n-Docosane (C22)

R.T.: 14.101 min
Delta R.T.: 0.005 min
Response: 2687949
Conc: 19.63 ug/ml

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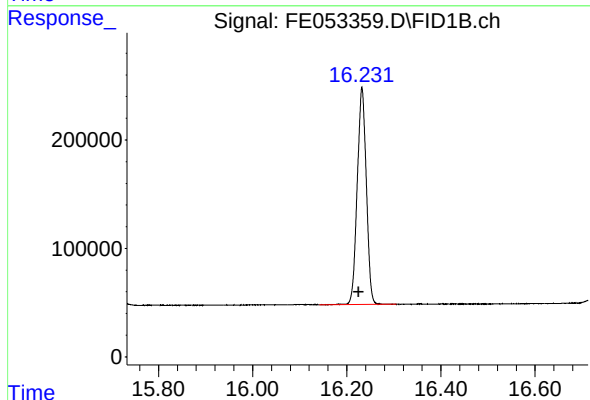
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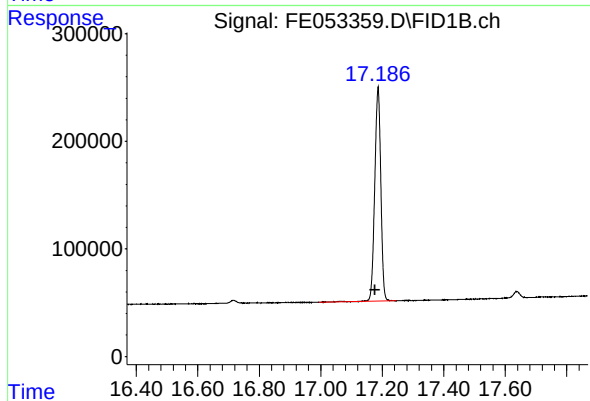
#14 n-Tetracosane (C24)

R.T.: 15.208 min
Delta R.T.: 0.006 min
Response: 2683857
Conc: 19.87 ug/ml



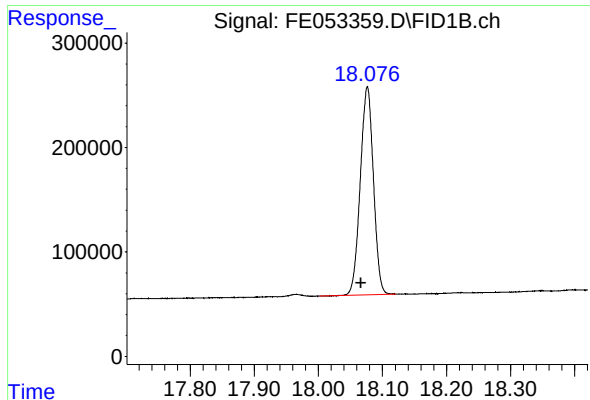
#15 n-Hexacosane (C26)

R.T.: 16.232 min
Delta R.T.: 0.007 min
Response: 2681408
Conc: 20.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.186 min
Delta R.T.: 0.010 min
Response: 2718691
Conc: 20.60 ug/ml



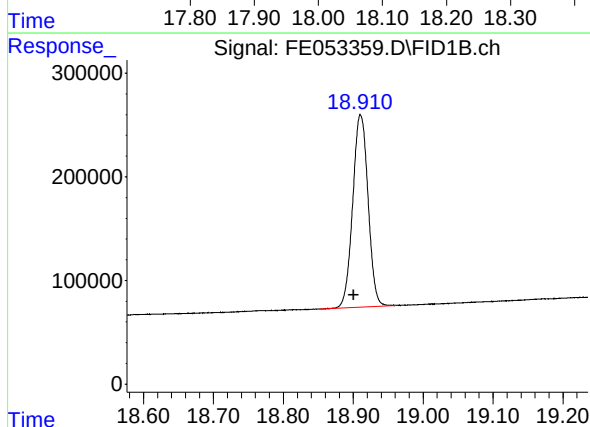
#17 n-Tricontane (C30)

R.T.: 18.076 min
Delta R.T.: 0.010 min
Response: 2844793
Conc: 20.99 ug/ml

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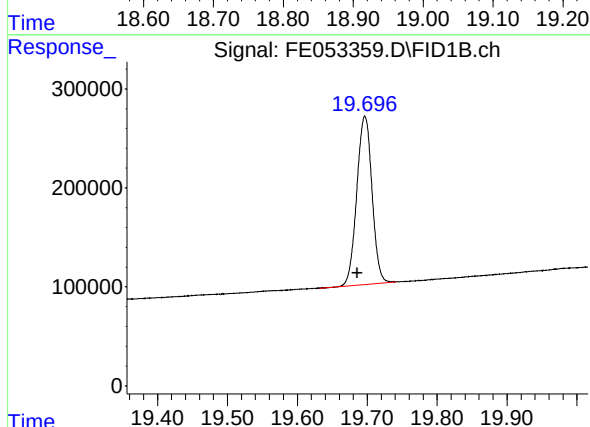
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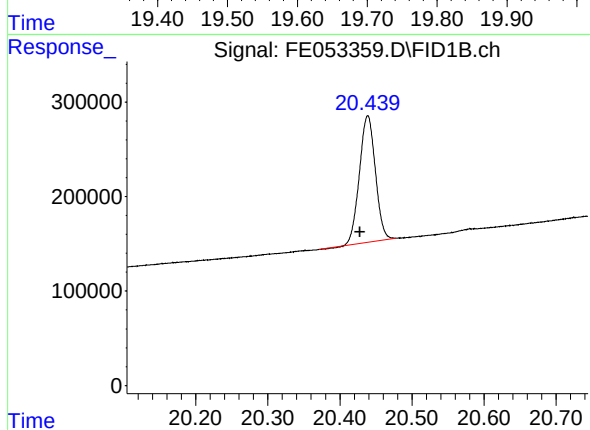
#18 n-Dotriacontane (C32)

R.T.: 18.911 min
Delta R.T.: 0.010 min
Response: 2838322
Conc: 21.09 ug/ml



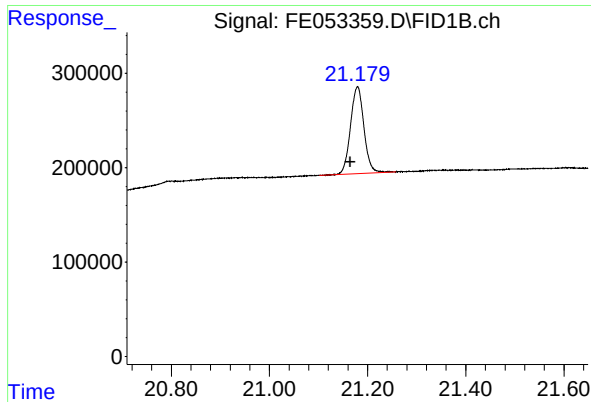
#19 n-Tetatriacontane (C34)

R.T.: 19.697 min
Delta R.T.: 0.011 min
Response: 2574523
Conc: 19.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.439 min
Delta R.T.: 0.011 min
Response: 2058868
Conc: 17.33 ug/ml



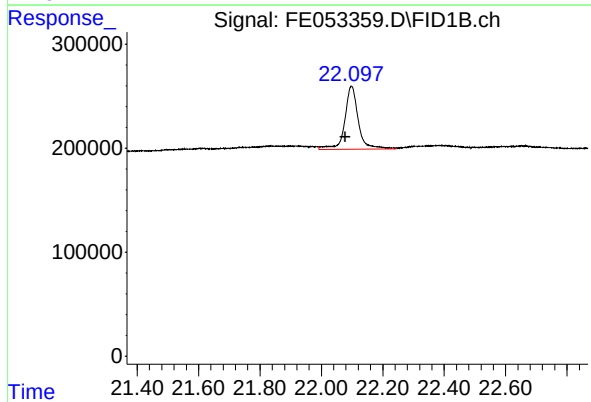
#21 n-Octatriacontane (C38)

R.T.: 21.179 min
Delta R.T.: 0.014 min
Response: 1746113
Conc: 15.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.097 min
Delta R.T.: 0.019 min
Response: 1860578
Conc: 16.57 ug/ml m