

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010725AL\
 Data File : FE051858.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jan 2025 10:28
 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 01/08/2025
 Supervised By :Ankita Jodhani 01/08/2025

Integration File: autoint1.e
 Quant Time: Jan 08 00:14:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010225.M
 Quant Title : GC Extractables
 QLast Update : Fri Jan 03 04:14:12 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)	12.123	2925087	20.180 ug/ml
Spiked Amount 50.000		Recovery =	40.36%
12) S 1-chlorooctadecane (S...	13.552	2305494	20.064 ug/ml
Spiked Amount 50.000		Recovery =	40.13%
Target Compounds			
1) T n-Nonane (C9)	3.531	2158837	19.545 ug/ml
2) T n-Decane (C10)	4.773	2247773	19.753 ug/ml
3) T A~Naphthalene (C11.7)	6.478	2564255	20.106 ug/ml
4) T n-Dodecane (C12)	6.927	2353541	20.041 ug/ml
5) T A~2-methylnaphthalene...	7.569	2536094	20.263 ug/ml
6) T n-Tetradecane (C14)	8.750	2428269	20.253 ug/ml
7) T n-Hexadecane (C16)	10.355	2596876	20.293 ug/ml
8) T n-Octadecane (C18)	11.797	2700231	20.292 ug/ml
10) T n-Eicosane (C20)	13.106	2658637	20.206 ug/ml
11) T n-Heneicosane (C21)	13.717	2630420	20.015 ug/ml
13) T n-Docosane (C22)	14.304	2639358	20.119 ug/ml
14) T n-Tetracosane (C24)	15.406	2650719	20.012 ug/ml
15) T n-Hexacosane (C26)	16.427	2577665	19.645 ug/ml
16) T n-Octacosane (C28)	17.375	2500211	19.364 ug/ml
17) T n-Tricontane (C30)	18.263	2536424	19.294 ug/ml
18) T n-Dotriacontane (C32)	19.094	2379379	18.749 ug/ml
19) T n-Tetratriacontane (C34)	19.876	2145418	19.309 ug/ml
20) T n-Hexatriacontane (C36)	20.615	1798267	18.227 ug/ml
21) T n-Octatriacontane (C38)	21.398	1734477	18.319 ug/ml
22) T n-Tetracontane (C40)	22.390	1611509	17.506 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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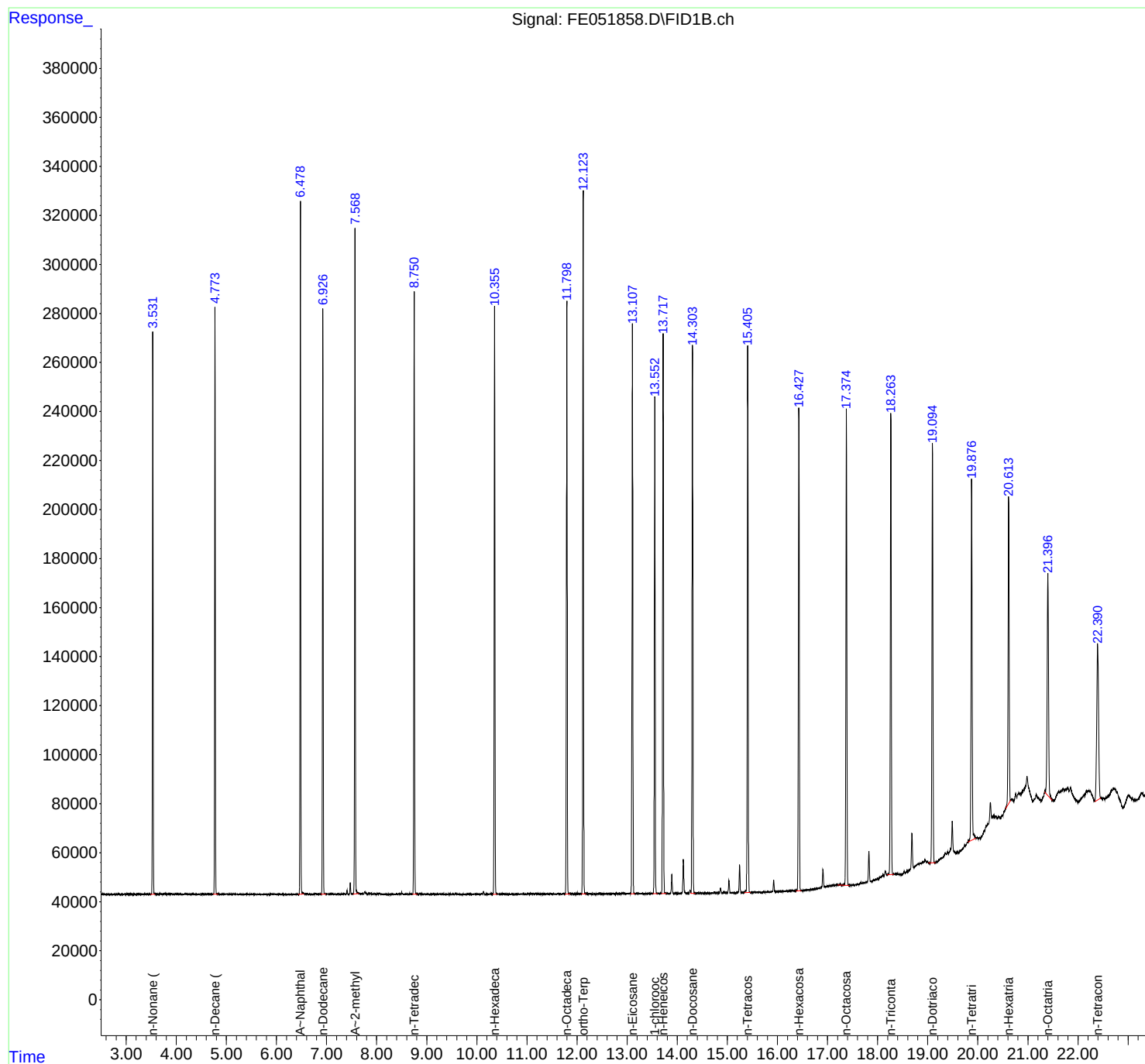
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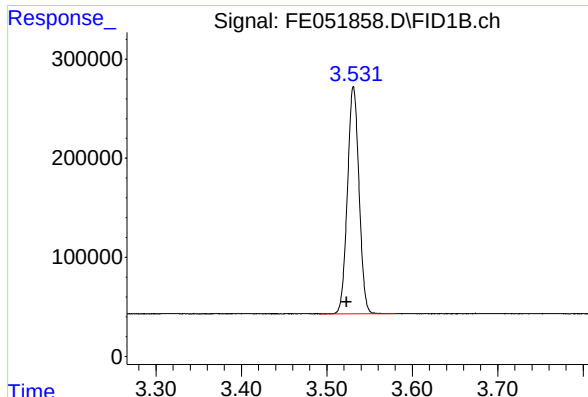
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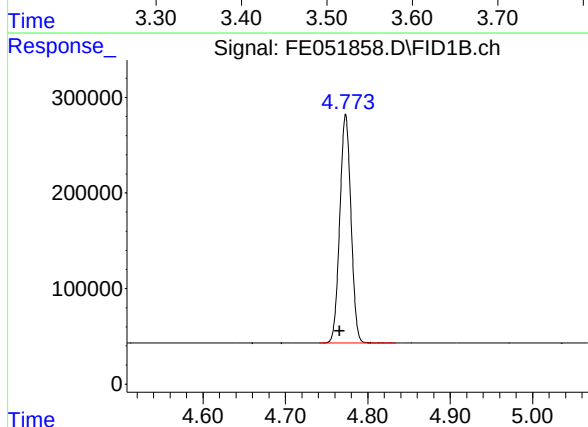
#1 n-Nonane (C9)

R.T.: 3.531 min
Delta R.T.: 0.008 min
Response: 2158837
Conc: 19.55 ug/ml

Instrument : FID_E
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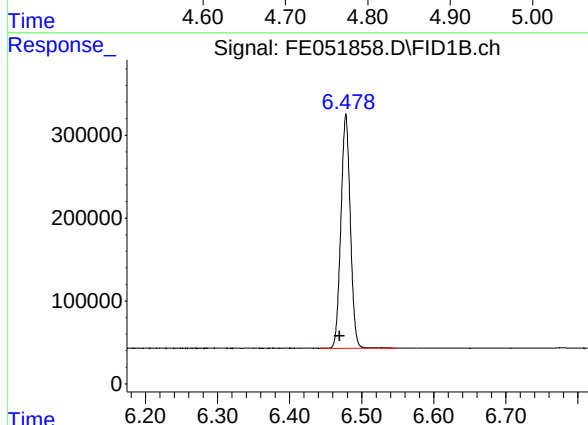
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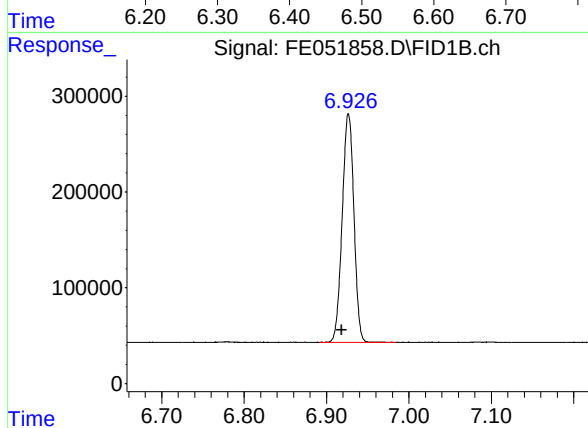
#2 n-Decane (C10)

R.T.: 4.773 min
Delta R.T.: 0.008 min
Response: 2247773
Conc: 19.75 ug/ml



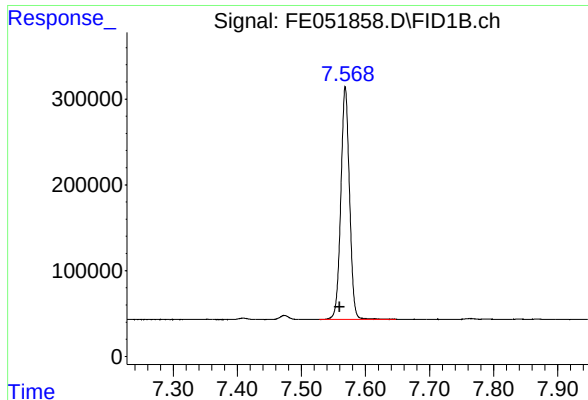
#3 A~Naphthalene (C11.7)

R.T.: 6.478 min
Delta R.T.: 0.009 min
Response: 2564255
Conc: 20.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.927 min
Delta R.T.: 0.008 min
Response: 2353541
Conc: 20.04 ug/ml



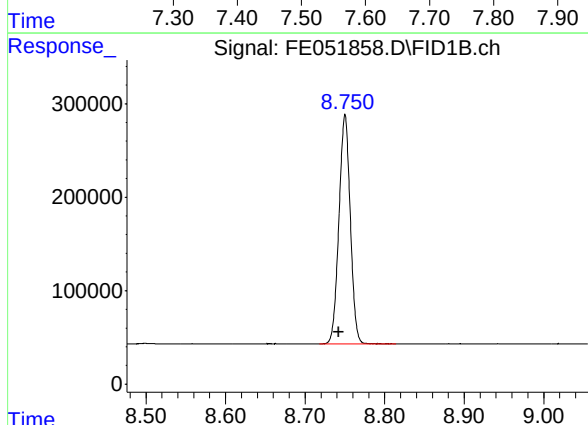
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.569 min
Delta R.T.: 0.009 min
Response: 2536094
Conc: 20.26 ug/ml

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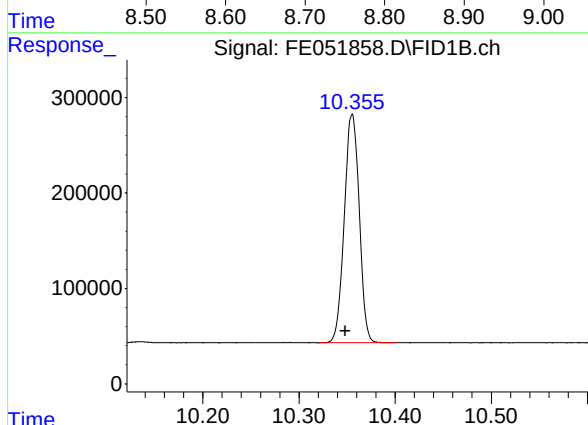
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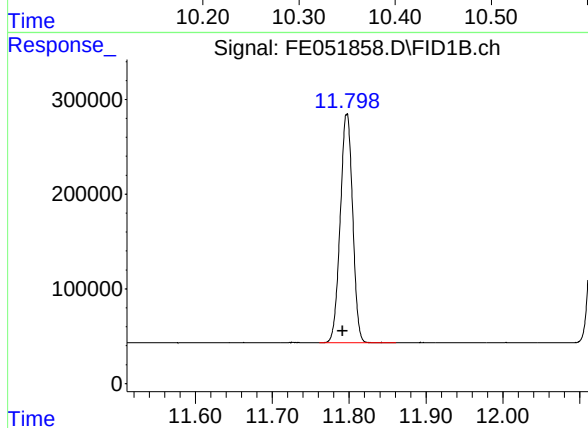
#6 n-Tetradecane (C14)

R.T.: 8.750 min
Delta R.T.: 0.008 min
Response: 2428269
Conc: 20.25 ug/ml



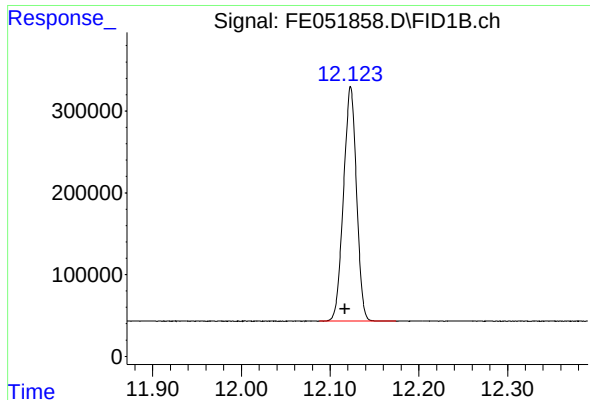
#7 n-Hexadecane (C16)

R.T.: 10.355 min
Delta R.T.: 0.007 min
Response: 2596876
Conc: 20.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.797 min
Delta R.T.: 0.005 min
Response: 2700231
Conc: 20.29 ug/ml



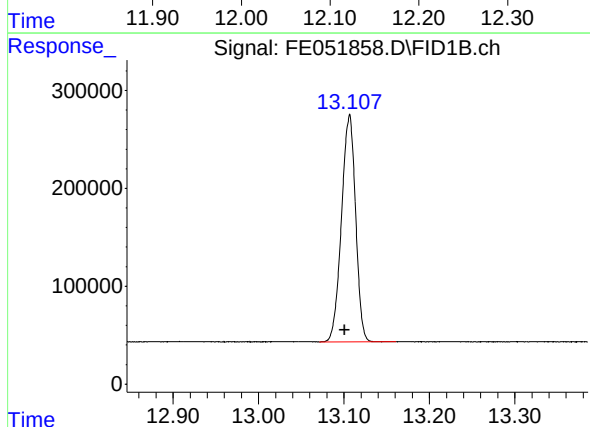
#9 ortho-Terphenyl (SURR)

R.T.: 12.123 min
Delta R.T.: 0.006 min
Response: 2925087
Conc: 20.18 ug/ml

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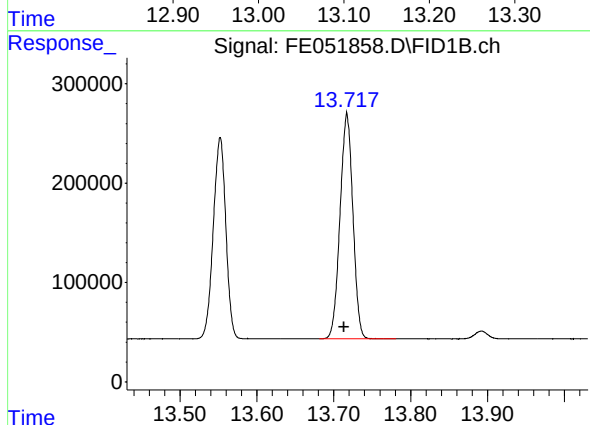
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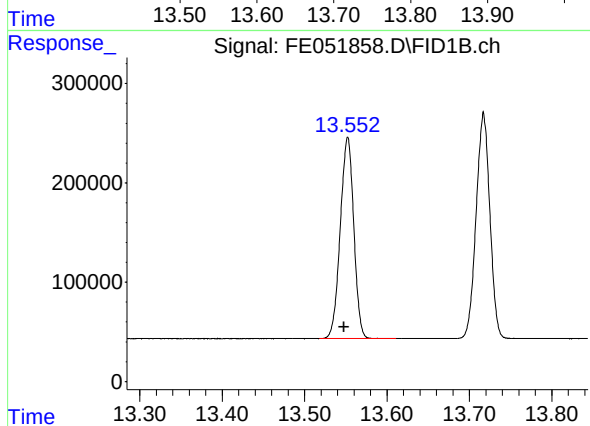
#10 n-Eicosane (C20)

R.T.: 13.106 min
Delta R.T.: 0.005 min
Response: 2658637
Conc: 20.21 ug/ml



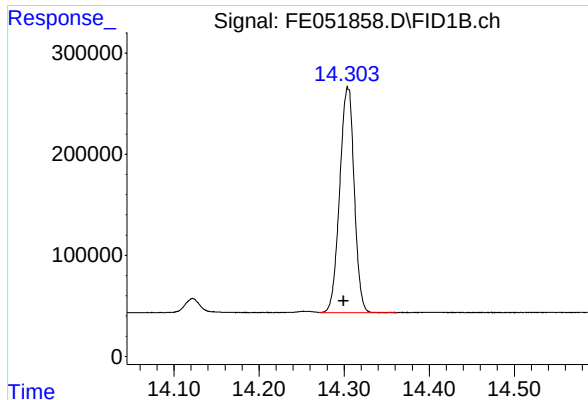
#11 n-Heneicosane (C21)

R.T.: 13.717 min
Delta R.T.: 0.004 min
Response: 2630420
Conc: 20.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.552 min
Delta R.T.: 0.004 min
Response: 2305494
Conc: 20.06 ug/ml



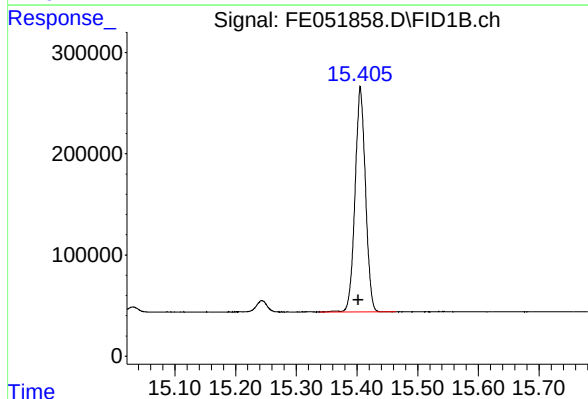
#13 n-Docosane (C22)

R.T.: 14.304 min
Delta R.T.: 0.005 min
Response: 2639358
Conc: 20.12 ug/ml

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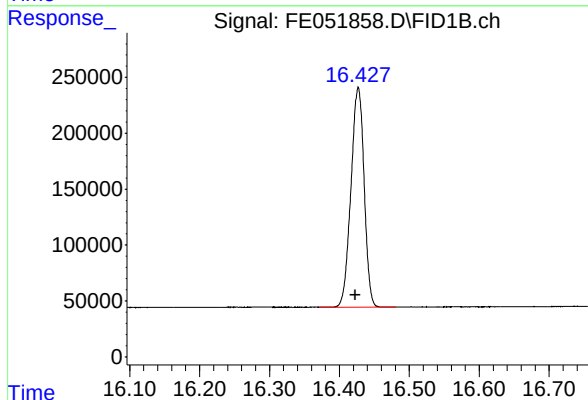
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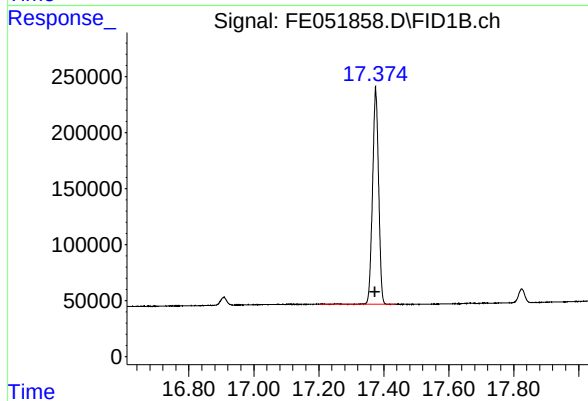
#14 n-Tetracosane (C24)

R.T.: 15.406 min
Delta R.T.: 0.003 min
Response: 2650719
Conc: 20.01 ug/ml



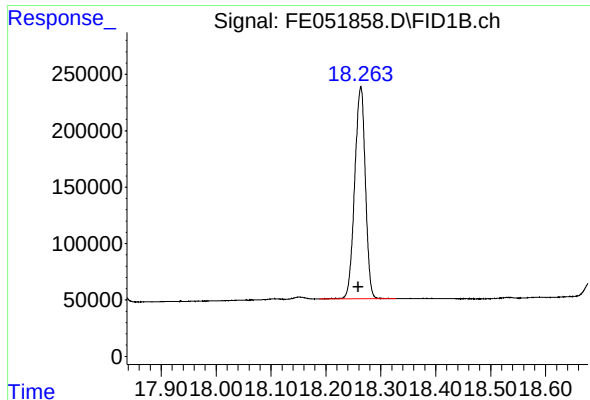
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.004 min
Response: 2577665
Conc: 19.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.375 min
Delta R.T.: 0.002 min
Response: 2500211
Conc: 19.36 ug/ml



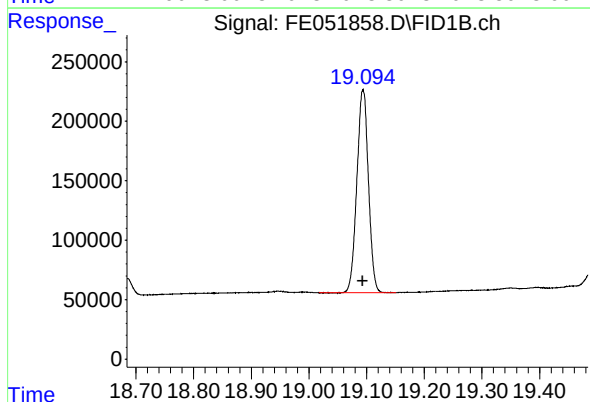
#17 n-Tricontane (C30)

R.T.: 18.263 min
Delta R.T.: 0.004 min
Response: 2536424
Conc: 19.29 ug/ml

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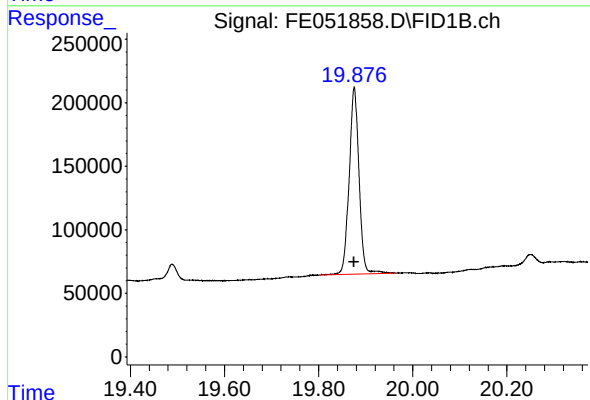
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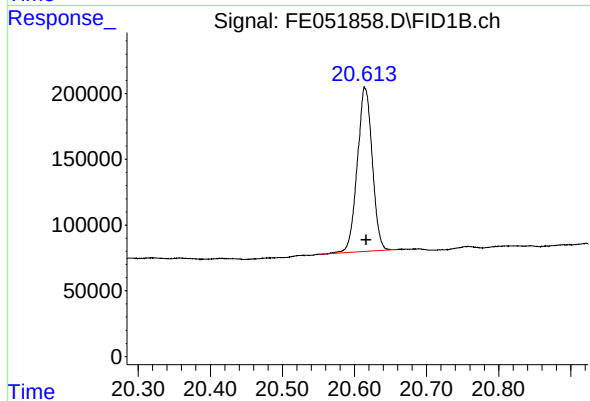
#18 n-Dotriacontane (C32)

R.T.: 19.094 min
Delta R.T.: 0.000 min
Response: 2379379
Conc: 18.75 ug/ml



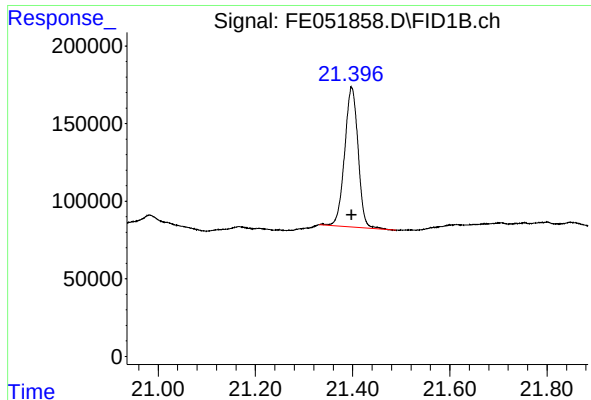
#19 n-Tetratriacontane (C34)

R.T.: 19.876 min
Delta R.T.: 0.000 min
Response: 2145418
Conc: 19.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.615 min
Delta R.T.: -0.002 min
Response: 1798267
Conc: 18.23 ug/ml



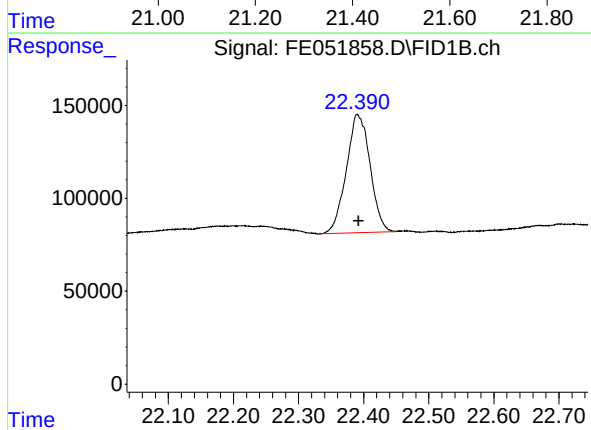
#21 n-Octatriacontane (C38)

R.T.: 21.398 min
Delta R.T.: 0.000 min
Response: 1734477
Conc: 18.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.390 min
Delta R.T.: -0.002 min
Response: 1611509
Conc: 17.51 ug/ml m