

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040925AL\
 Data File : FE053277.D
 Signal(s) : FID1B.ch
 Acq On : 09 Apr 2025 13:49
 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 04/10/2025
 Supervised By :mohammad ahmed 04/11/2025

Integration File: autoint1.e
 Quant Time: Apr 10 02:59:14 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)	11.885	2899964	17.804 ug/ml
Spiked Amount 50.000		Recovery =	35.61%
12) S 1-chlorooctadecane (S...	13.330	2227617	18.557 ug/ml
Spiked Amount 50.000		Recovery =	37.11%
Target Compounds			
1) T n-Nonane (C9)	3.234	2688474	17.363 ug/ml
2) T n-Decane (C10)	4.494	2844896	18.137 ug/ml
3) T A~Naphthalene (C11.7)	6.206	2997608	17.844 ug/ml
4) T n-Dodecane (C12)	6.674	2869234	18.346 ug/ml
5) T A~2-methylnaphthalene...	7.307	2867472	17.971 ug/ml
6) T n-Tetradecane (C14)	8.509	2834745	18.514 ug/ml
7) T n-Hexadecane (C16)	10.122	2880478	18.687 ug/ml
8) T n-Octadecane (C18)	11.570	2832385	18.675 ug/ml
10) T n-Eicosane (C20)	12.884	2660888	18.663 ug/ml
11) T n-Heneicosane (C21)	13.497	2558573	18.438 ug/ml
13) T n-Docosane (C22)	14.085	2589599	18.908 ug/ml
14) T n-Tetracosane (C24)	15.191	2714950	20.102 ug/ml
15) T n-Hexacosane (C26)	16.213	2745551	20.580 ug/ml
16) T n-Octacosane (C28)	17.165	2845368	21.561 ug/ml
17) T n-Tricontane (C30)	18.055	2971978	21.927 ug/ml
18) T n-Dotriacontane (C32)	18.888	2911624	21.638 ug/ml
19) T n-Tetratriacontane (C34)	19.674	2597516	20.074 ug/ml
20) T n-Hexatriacontane (C36)	20.414	2206204	18.572 ug/ml
21) T n-Octatriacontane (C38)	21.151	1953279	16.994 ug/ml
22) T n-Tetracontane (C40)	22.058	1892810	16.853 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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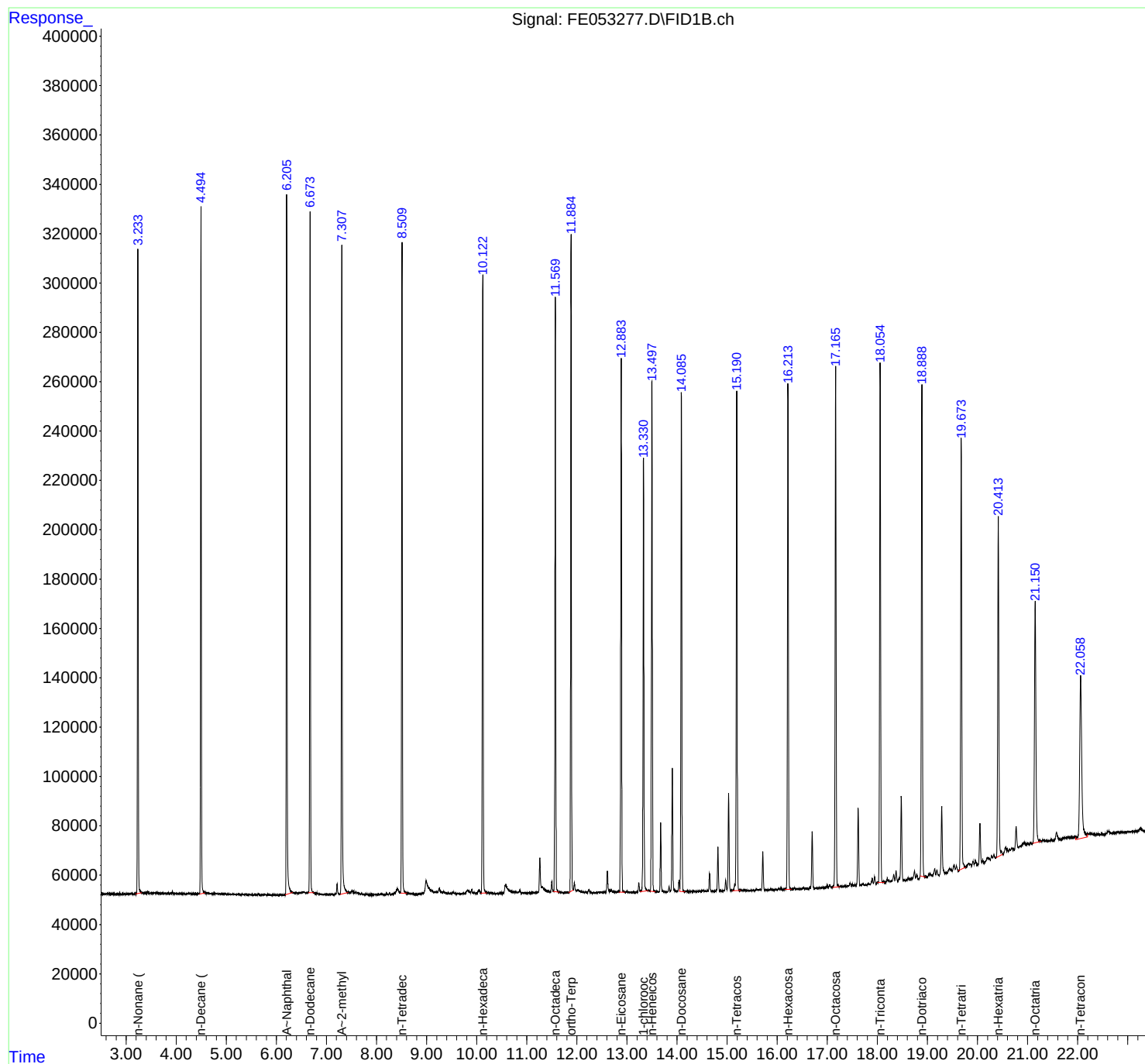
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

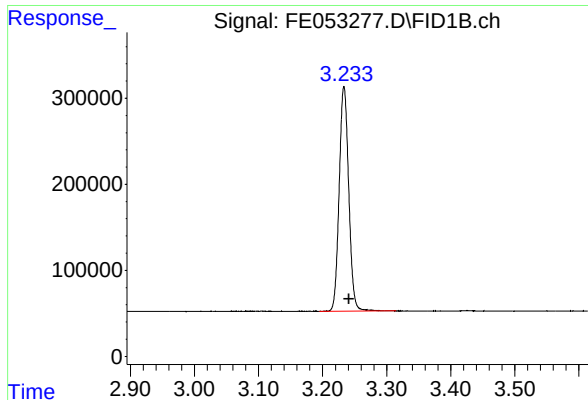
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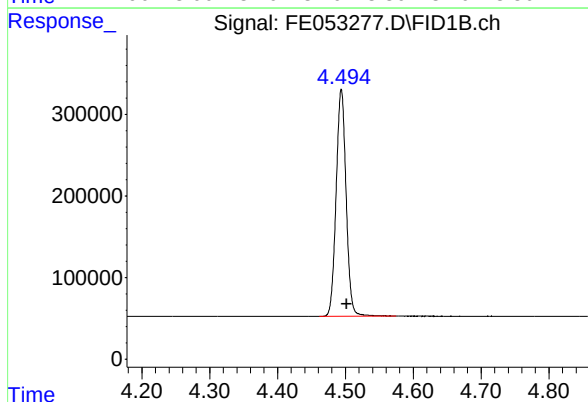
#1 n-Nonane (C9)

R.T.: 3.234 min
Delta R.T.: -0.007 min
Response: 2688474
Conc: 17.36 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

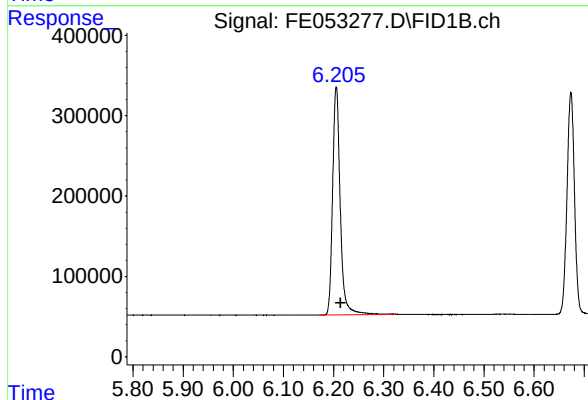
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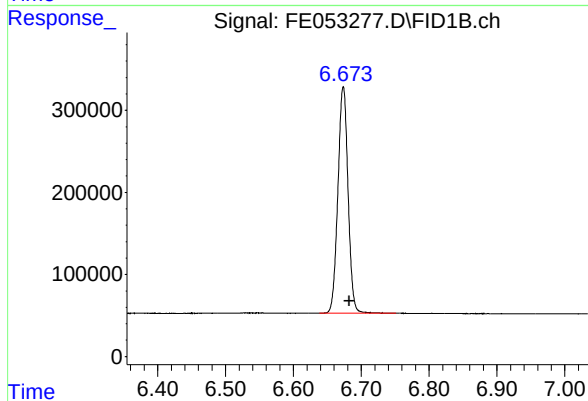
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.008 min
Response: 2844896
Conc: 18.14 ug/ml



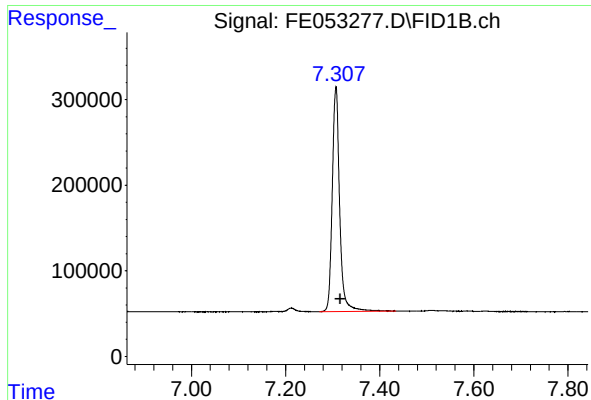
#3 A~Naphthalene (C11.7)

R.T.: 6.206 min
Delta R.T.: -0.009 min
Response: 2997608
Conc: 17.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.009 min
Response: 2869234
Conc: 18.35 ug/ml



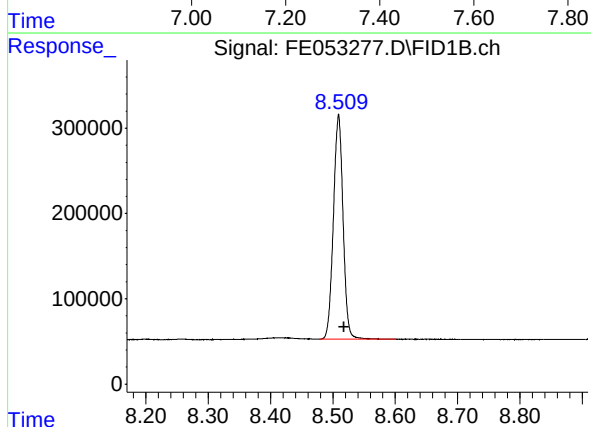
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.009 min
Response: 2867472
Conc: 17.97 ug/ml

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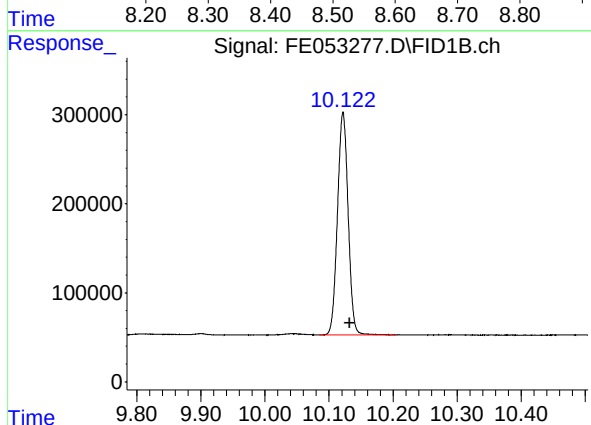
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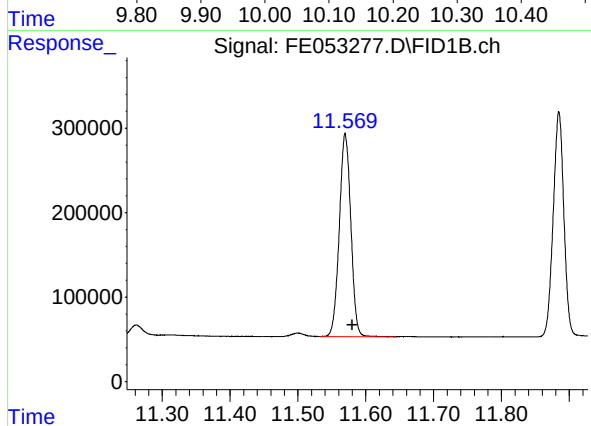
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 2834745
Conc: 18.51 ug/ml



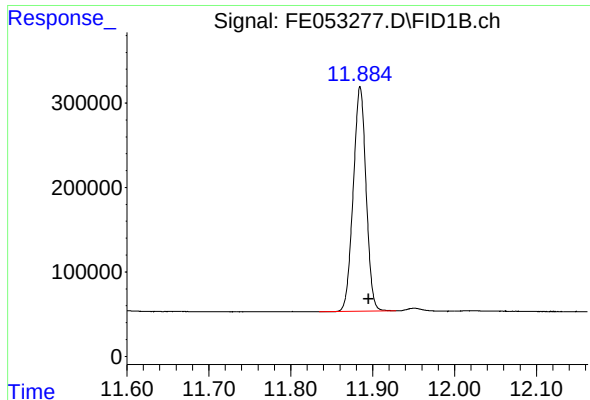
#7 n-Hexadecane (C16)

R.T.: 10.122 min
Delta R.T.: -0.010 min
Response: 2880478
Conc: 18.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: -0.010 min
Response: 2832385
Conc: 18.68 ug/ml



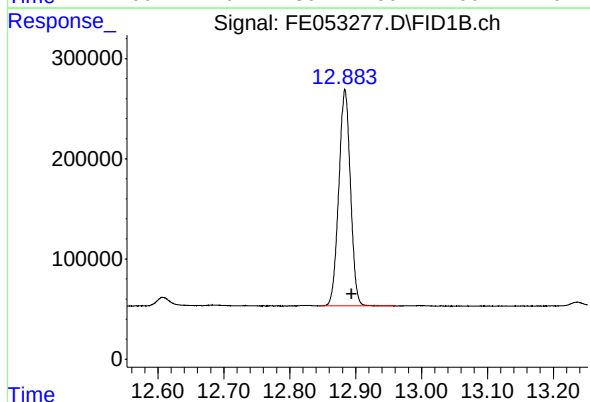
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: -0.010 min
Response: 2899964
Conc: 17.80 ug/ml

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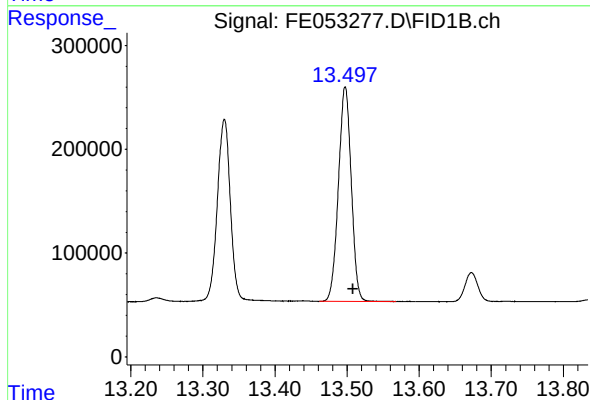
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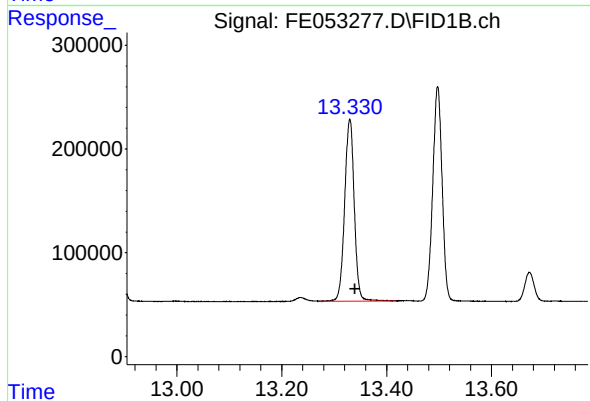
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: -0.010 min
Response: 2660888
Conc: 18.66 ug/ml



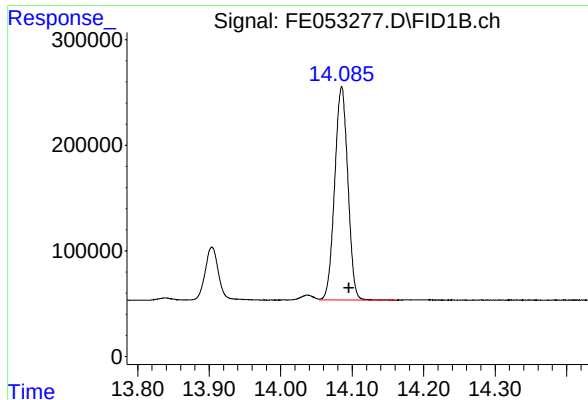
#11 n-Heneicosane (C21)

R.T.: 13.497 min
Delta R.T.: -0.011 min
Response: 2558573
Conc: 18.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.330 min
Delta R.T.: -0.010 min
Response: 2227617
Conc: 18.56 ug/ml



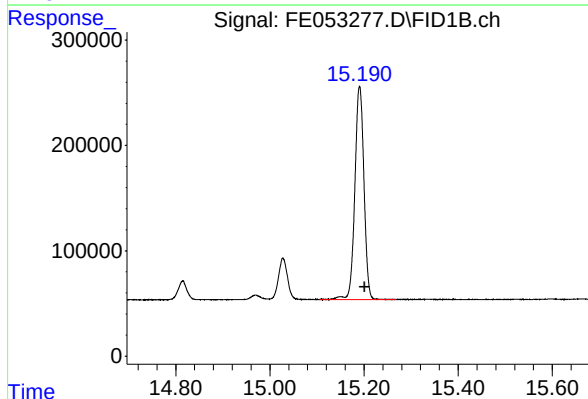
#13 n-Docosane (C22)

R.T.: 14.085 min
Delta R.T.: -0.010 min
Response: 2589599
Conc: 18.91 ug/ml

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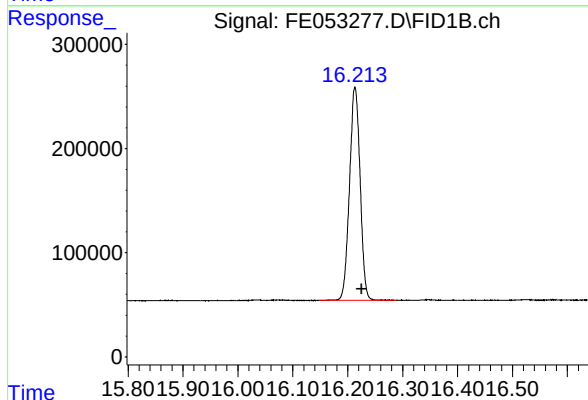
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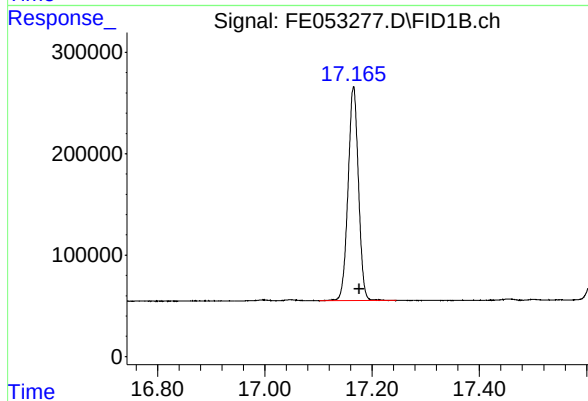
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: -0.011 min
Response: 2714950
Conc: 20.10 ug/ml



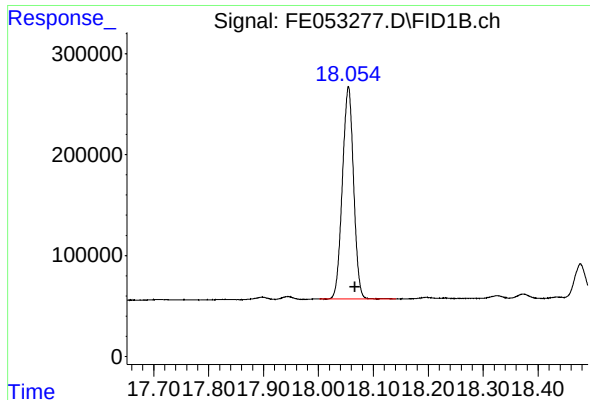
#15 n-Hexacosane (C26)

R.T.: 16.213 min
Delta R.T.: -0.012 min
Response: 2745551
Conc: 20.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.165 min
Delta R.T.: -0.011 min
Response: 2845368
Conc: 21.56 ug/ml



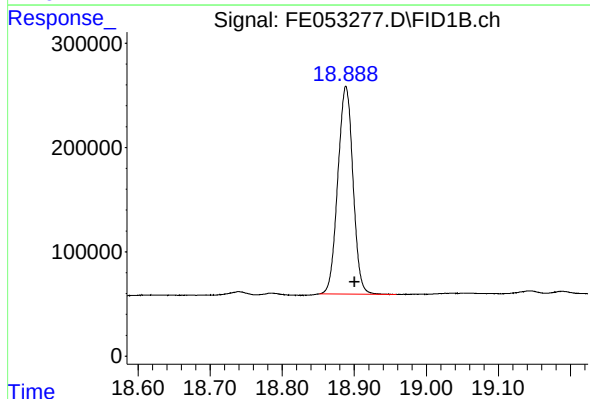
#17 n-Tricontane (C30)

R.T.: 18.055 min
Delta R.T.: -0.012 min
Response: 2971978
Conc: 21.93 ug/ml

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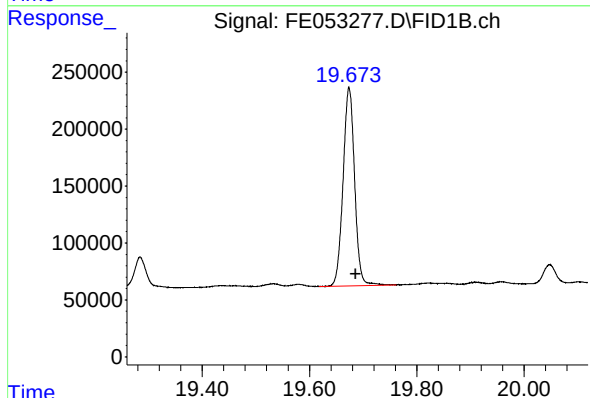
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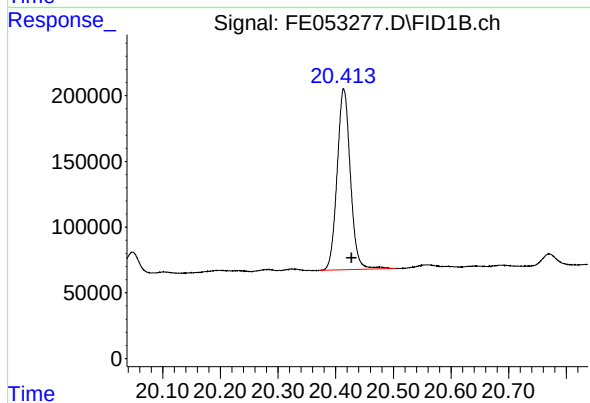
#18 n-Dotriacontane (C32)

R.T.: 18.888 min
Delta R.T.: -0.012 min
Response: 2911624
Conc: 21.64 ug/ml



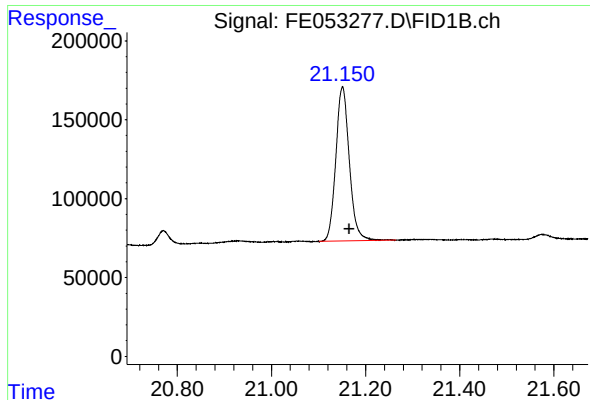
#19 n-Tetratriacontane (C34)

R.T.: 19.674 min
Delta R.T.: -0.012 min
Response: 2597516
Conc: 20.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.414 min
Delta R.T.: -0.014 min
Response: 2206204
Conc: 18.57 ug/ml



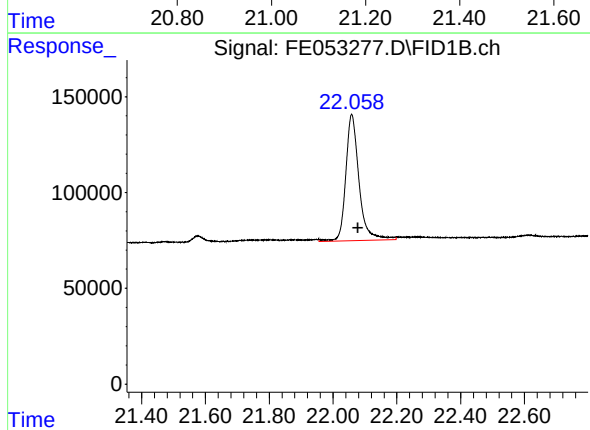
#21 n-Octatriacontane (C38)

R.T.: 21.151 min
Delta R.T.: -0.014 min
Response: 1953279
Conc: 16.99 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.058 min
Delta R.T.: -0.020 min
Response: 1892810
Conc: 16.85 ug/ml m