

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040425AL\
 Data File : FE053196.D
 Signal(s) : FID1B.ch
 Acq On : 04 Apr 2025 16:44
 Operator : YP\AJ
 Sample : Q1712-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

Z-05AMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 04/07/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Quant Time: Apr 04 23:55:46 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)	11.894	3378457	20.742 ug/ml
Spiked Amount 50.000		Recovery =	41.48%
12) S 1-chlorooctadecane (S...	13.338	4465157	37.196 ug/ml
Spiked Amount 50.000		Recovery =	74.39%
Target Compounds			
1) T n-Nonane (C9)	3.233	3606292	23.290 ug/ml
2) T n-Decane (C10)	4.498	3924699	25.021 ug/ml
3) T A~Naphthalene (C11.7)	6.210	5794126	34.491 ug/ml
4) T n-Dodecane (C12)	6.678	4171519	26.672 ug/ml
5) T A~2-methylnaphthalene...	7.312	4791322	30.028 ug/ml
6) T n-Tetradecane (C14)	8.515	4294554	28.048 ug/ml
7) T n-Hexadecane (C16)	10.129	5448729	35.348 ug/ml
8) T n-Octadecane (C18)	11.578	4391504	28.955 ug/mlm
10) T n-Eicosane (C20)	12.894	6587007	46.200 ug/ml
11) T n-Heneicosane (C21)	13.507	5801794	41.809 ug/ml
13) T n-Docosane (C22)	14.094	5039029	36.793 ug/mlm
14) T n-Tetracosane (C24)	15.199	19232121	142.398 ug/ml
15) T n-Hexacosane (C26)	16.225	5027658	37.687 ug/ml
16) T n-Octacosane (C28)	17.176	6564114	49.740 ug/ml
17) T n-Tricontane (C30)	18.067	4876558	35.979 ug/ml
18) T n-Dotriacontane (C32)	18.897	4599514	34.181 ug/mlm
19) T n-Tetratriacontane (C34)	19.684	4510175	34.855 ug/ml
20) T n-Hexatriacontane (C36)	20.424	4294197	36.149 ug/ml
21) T n-Octatriacontane (C38)	21.163	4495530	39.113 ug/ml
22) T n-Tetracontane (C40)	22.075	4948591	44.061 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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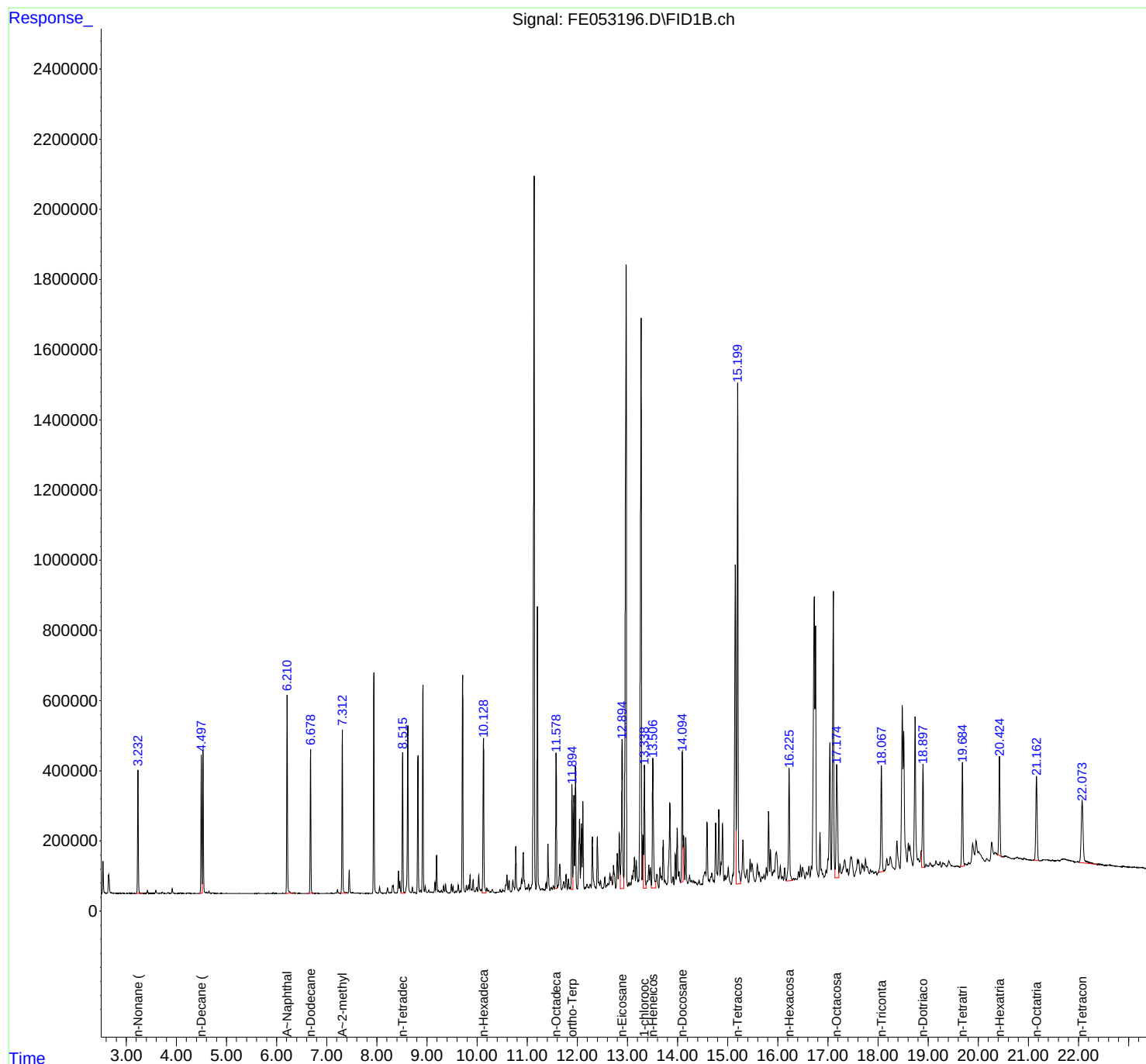
Response via : Initial Calibration

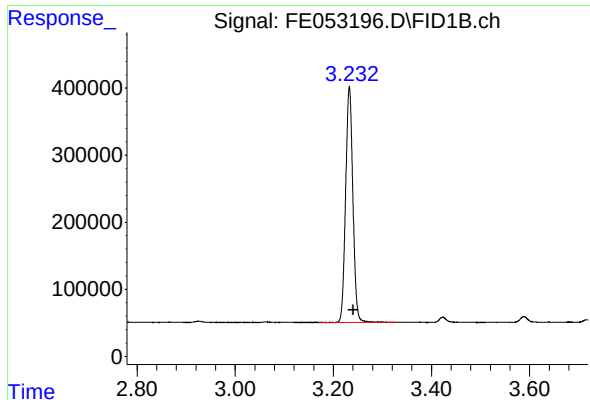
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





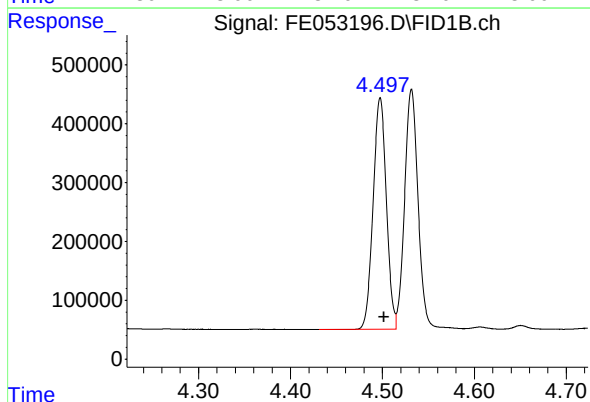
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.008 min
Response: 3606292
Conc: 23.29 ug/ml

Instrument :
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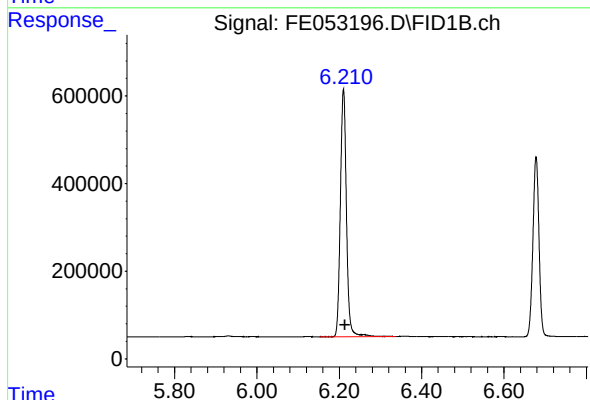
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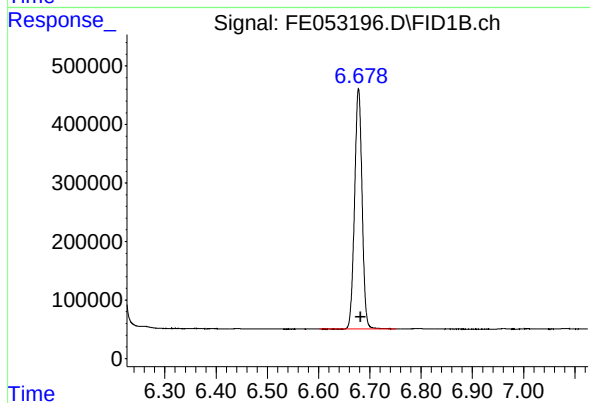
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.004 min
Response: 3924699
Conc: 25.02 ug/ml



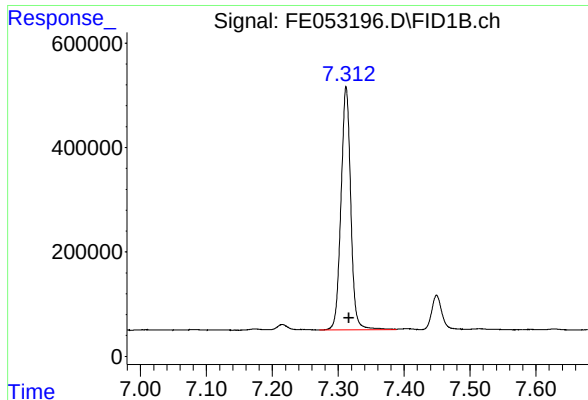
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.004 min
Response: 5794126
Conc: 34.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.678 min
Delta R.T.: -0.004 min
Response: 4171519
Conc: 26.67 ug/ml



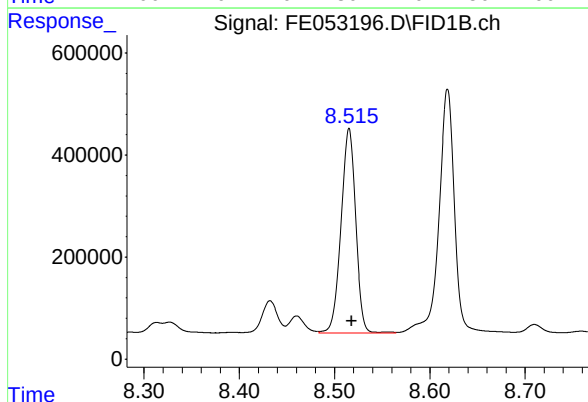
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.004 min
Response: 4791322
Conc: 30.03 ug/ml

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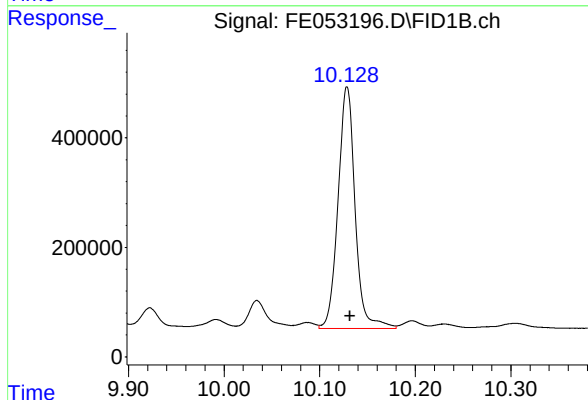
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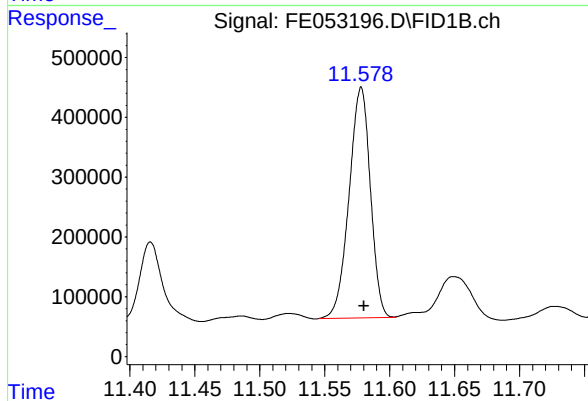
#6 n-Tetradecane (C14)

R.T.: 8.515 min
Delta R.T.: -0.003 min
Response: 4294554
Conc: 28.05 ug/ml



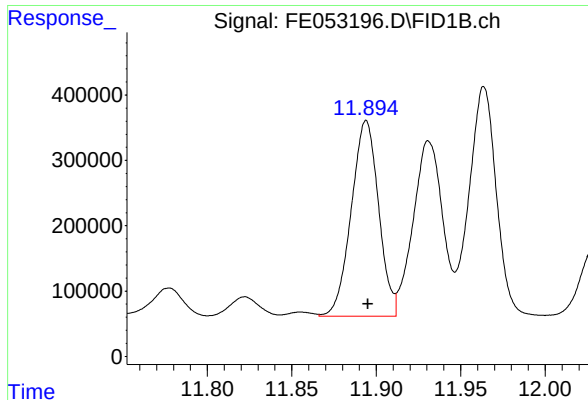
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.003 min
Response: 5448729
Conc: 35.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.578 min
Delta R.T.: -0.002 min
Response: 4391504
Conc: 28.96 ug/ml m



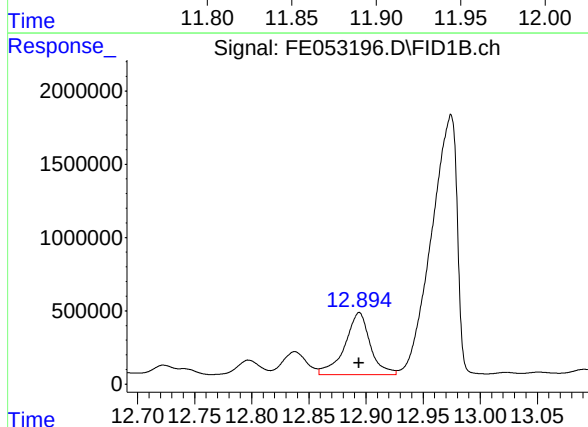
#9 ortho-Terphenyl (SURR)

R.T.: 11.894 min
Delta R.T.: -0.001 min
Response: 3378457
Conc: 20.74 ug/ml

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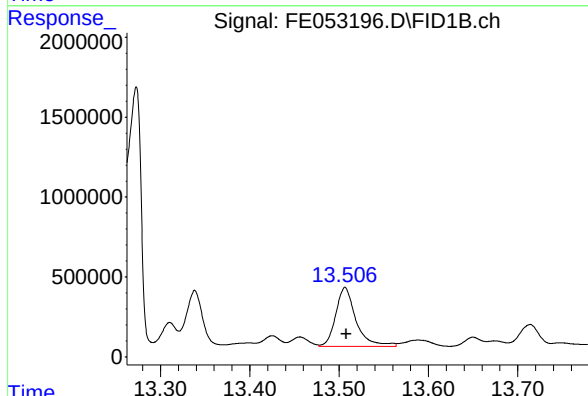
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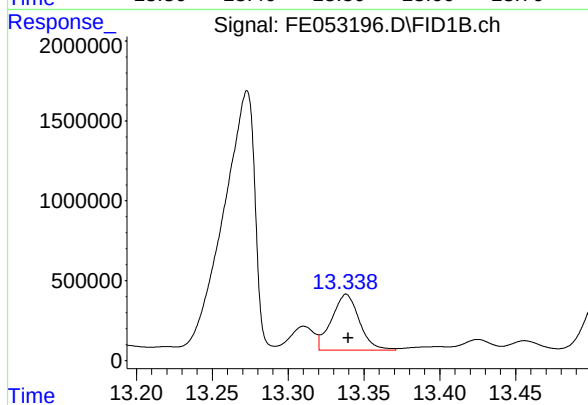
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 6587007
Conc: 46.20 ug/ml



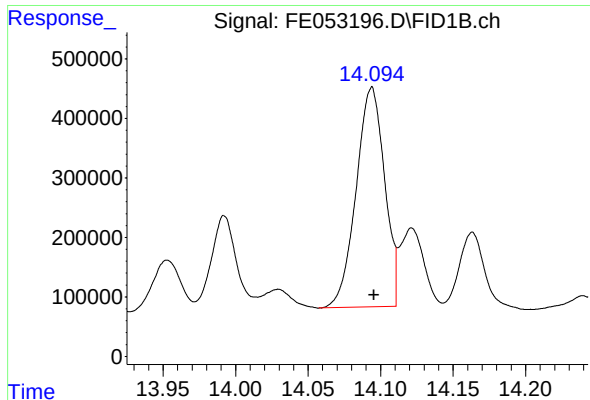
#11 n-Heneicosane (C21)

R.T.: 13.507 min
Delta R.T.: -0.001 min
Response: 5801794
Conc: 41.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.338 min
Delta R.T.: -0.001 min
Response: 4465157
Conc: 37.20 ug/ml



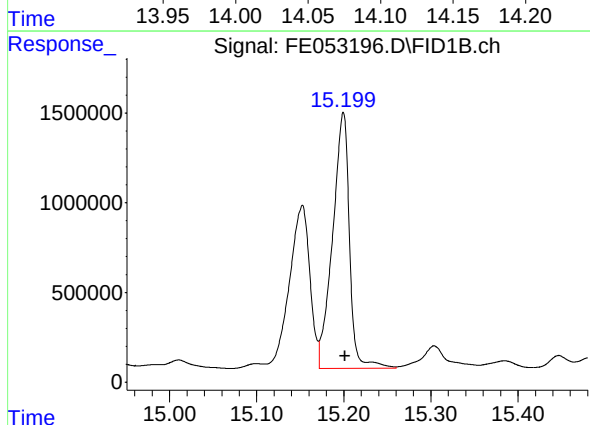
#13 n-Docosane (C22)

R.T.: 14.094 min
Delta R.T.: -0.002 min
Response: 5039029
Conc: 36.79 ug/ml

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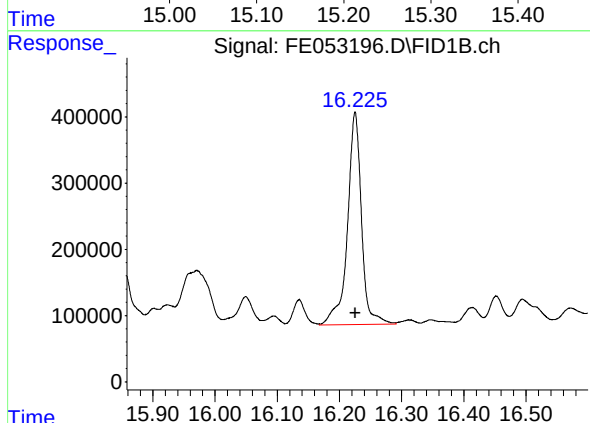
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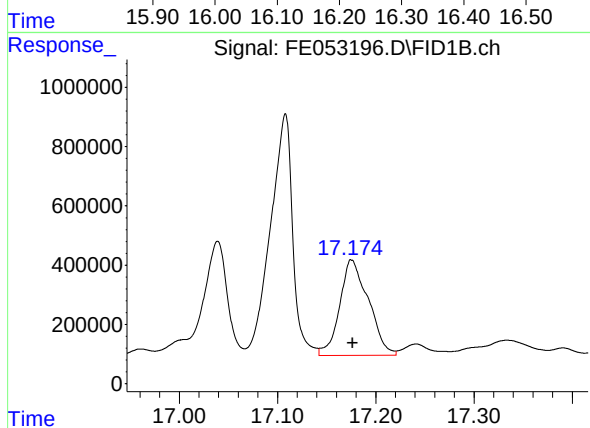
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.002 min
Response: 19232121
Conc: 142.40 ug/ml



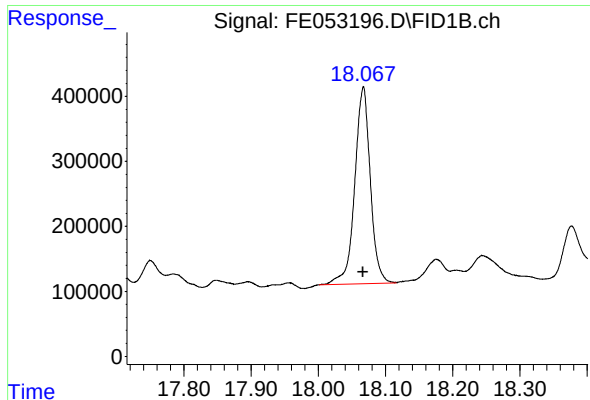
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 5027658
Conc: 37.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.176 min
Delta R.T.: 0.000 min
Response: 6564114
Conc: 49.74 ug/ml



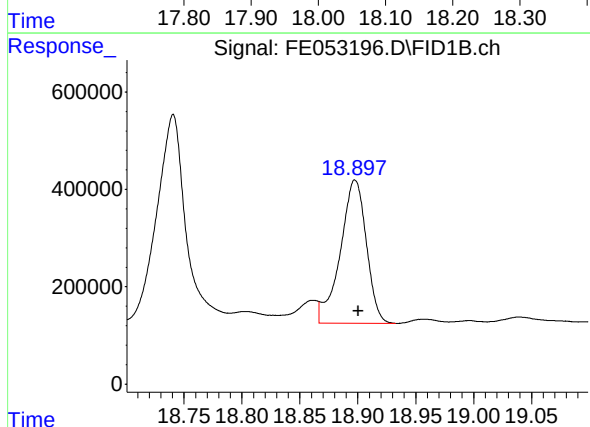
#17 n-Tricontane (C30)

R.T.: 18.067 min
Delta R.T.: 0.000 min
Response: 4876558
Conc: 35.98 ug/ml

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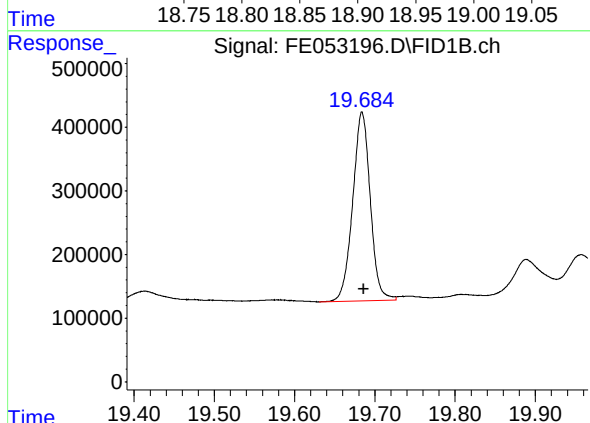
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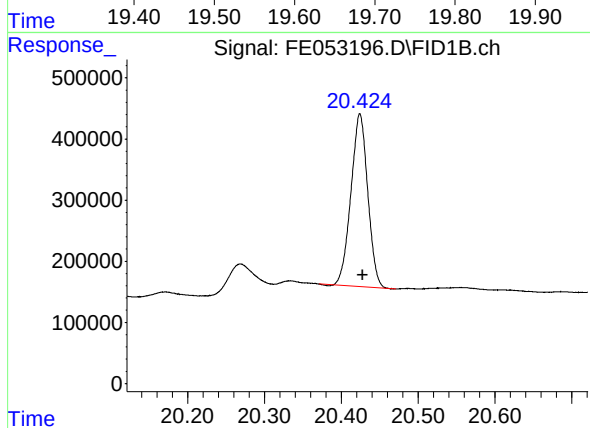
#18 n-Dotriacontane (C32)

R.T.: 18.897 min
Delta R.T.: -0.003 min
Response: 4599514
Conc: 34.18 ug/ml m



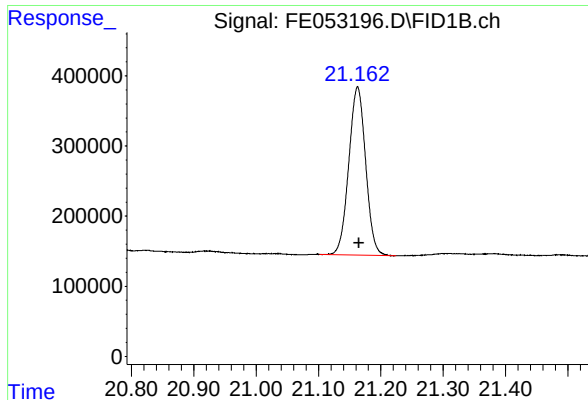
#19 n-Tetatriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.002 min
Response: 4510175
Conc: 34.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.424 min
Delta R.T.: -0.004 min
Response: 4294197
Conc: 36.15 ug/ml



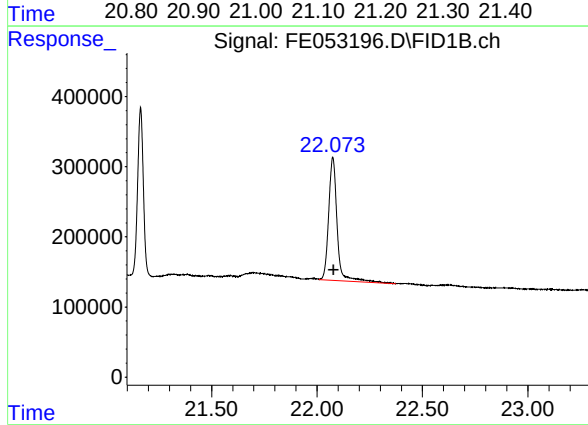
#21 n-Octatriacontane (C38)

R.T.: 21.163 min
Delta R.T.: -0.002 min
Response: 4495530
Conc: 39.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: -0.004 min
Response: 4948591
Conc: 44.06 ug/ml