

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050625AL\
 Data File : FE053670.D
 Signal(s) : FID1B.ch
 Acq On : 06 May 2025 15:32
 Operator : YP\AJ
 Sample : Q1951-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-KKMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File: sample.E

Quant Time: May 07 03:27:29 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)	11.863	4670791	25.897 ug/ml
Spiked Amount 50.000		Recovery =	51.79%
12) S 1-chlorooctadecane (S...	13.307	3696074	27.343 ug/ml
Spiked Amount 50.000		Recovery =	54.69%
Target Compounds			
1) T n-Nonane (C9)	3.212	4413104	32.188 ug/ml
2) T n-Decane (C10)	4.473	4942233	35.726 ug/mlm
3) T A~Naphthalene (C11.7)	6.184	5957100	39.465 ug/ml
4) T n-Dodecane (C12)	6.653	5349863	38.145 ug/ml
5) T A~2-methylnaphthalene...	7.286	5652606	37.860 ug/ml
6) T n-Tetradecane (C14)	8.490	5831899	41.570 ug/ml
7) T n-Hexadecane (C16)	10.101	6324249	44.126 ug/ml
8) T n-Octadecane (C18)	11.550	6551303	44.954 ug/ml
10) T n-Eicosane (C20)	12.864	6768225	46.513 ug/ml
11) T n-Heneicosane (C21)	13.477	6449958	44.530 ug/ml
13) T n-Docosane (C22)	14.065	6501846	45.057 ug/ml
14) T n-Tetracosane (C24)	15.163	13002807	90.523 ug/ml
15) T n-Hexacosane (C26)	16.195	6222550	43.936 ug/ml
16) T n-Octacosane (C28)	17.146	6206334	44.609 ug/ml
17) T n-Tricontane (C30)	18.037	5918396	42.519 ug/ml
18) T n-Dotriacontane (C32)	18.869	5799949	42.240 ug/ml
19) T n-Tetratriacontane (C34)	19.654	5842568	44.841 ug/ml
20) T n-Hexatriacontane (C36)	20.396	5430699	43.017 ug/ml
21) T n-Octatriacontane (C38)	21.130	5353076	43.939 ug/ml
22) T n-Tetracontane (C40)	22.034	5382235	45.069 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : Q1951-01MS
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ALS Vial : 11 Sample Multiplier: 1

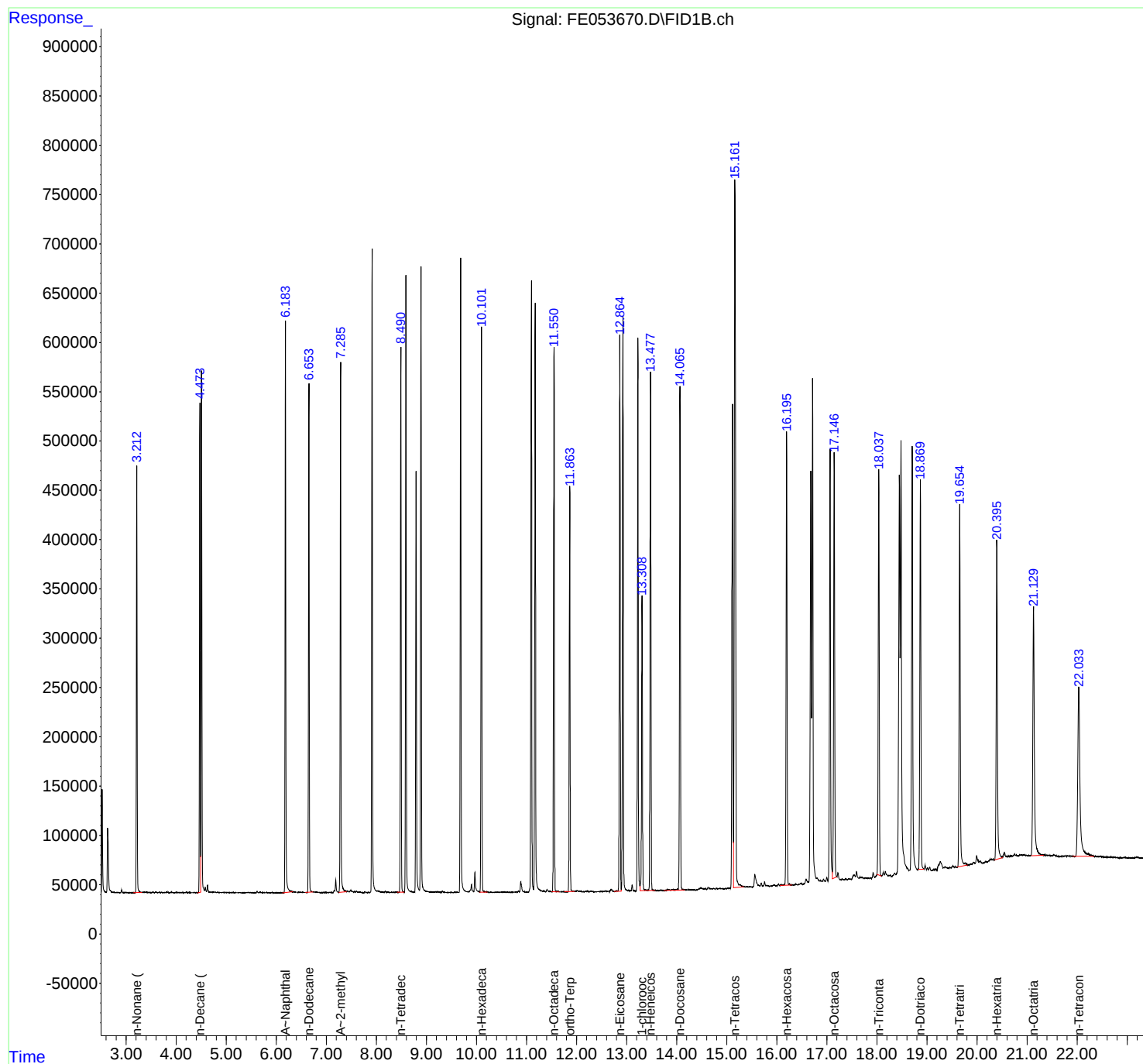
Instrument :
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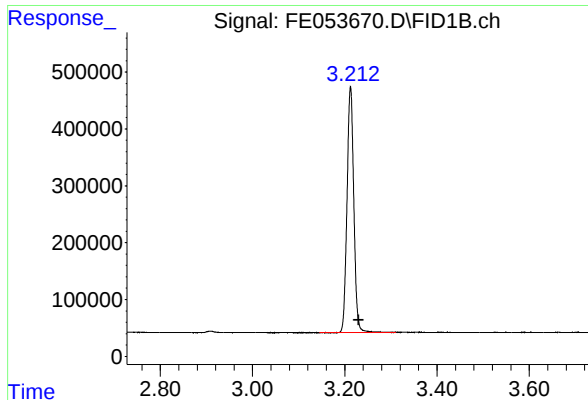
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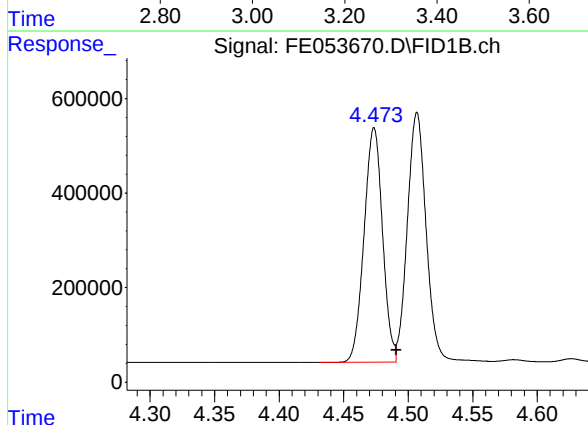
#1 n-Nonane (C9)

R.T.: 3.212 min
Delta R.T.: -0.018 min
Response: 4413104
Conc: 32.19 ug/ml

Instrument :
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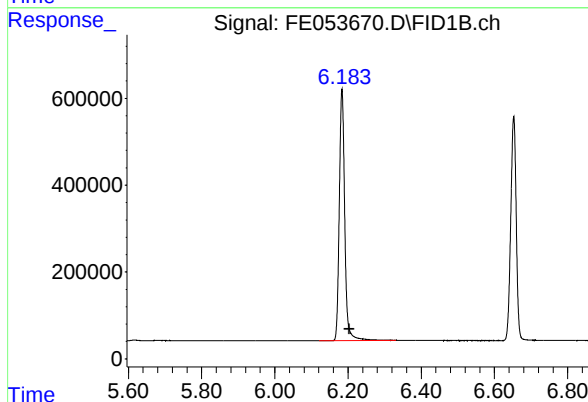
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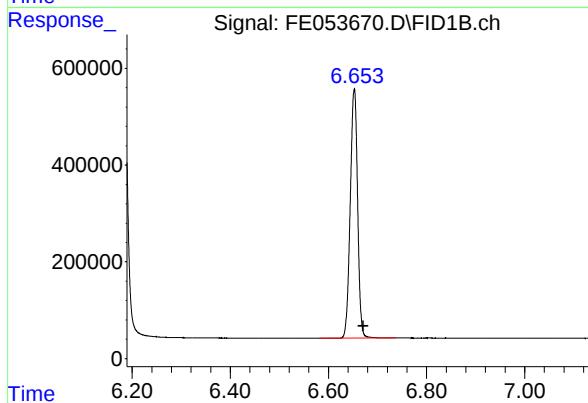
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: -0.017 min
Response: 4942233
Conc: 35.73 ug/ml



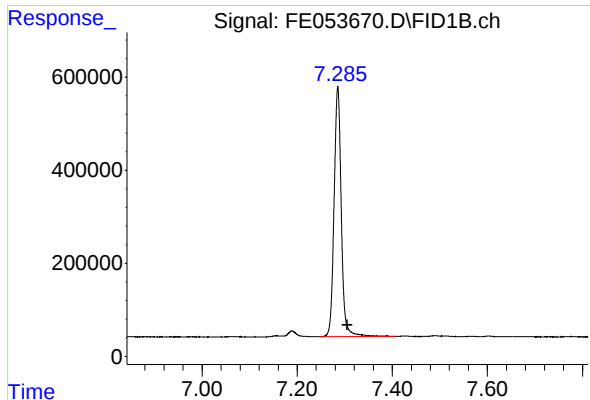
#3 A~Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: -0.020 min
Response: 5957100
Conc: 39.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.653 min
Delta R.T.: -0.018 min
Response: 5349863
Conc: 38.15 ug/ml



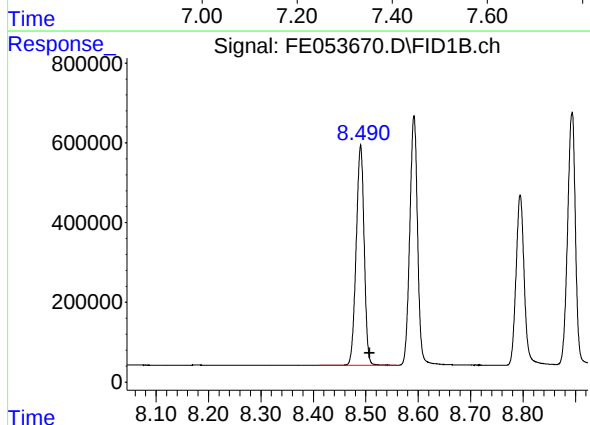
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.286 min
Delta R.T.: -0.020 min
Response: 5652606
Conc: 37.86 ug/ml

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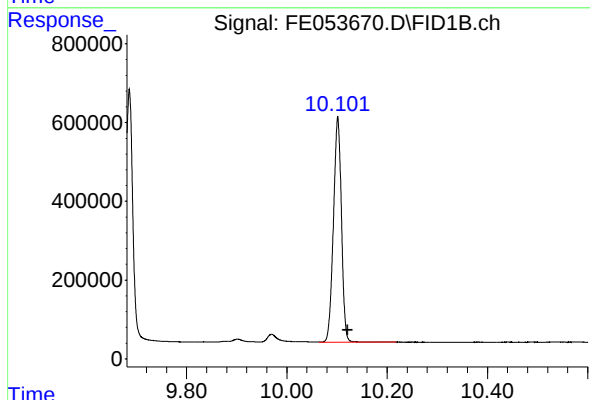
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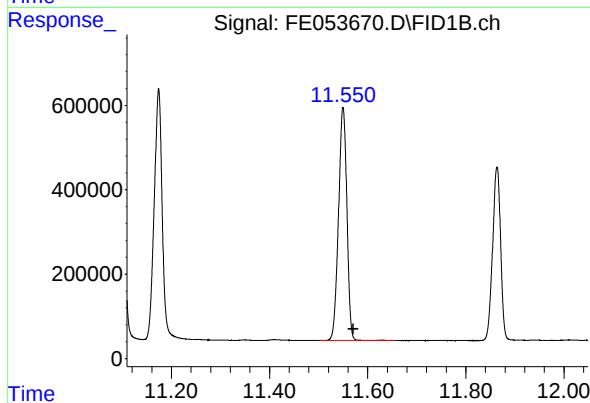
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.018 min
Response: 5831899
Conc: 41.57 ug/ml



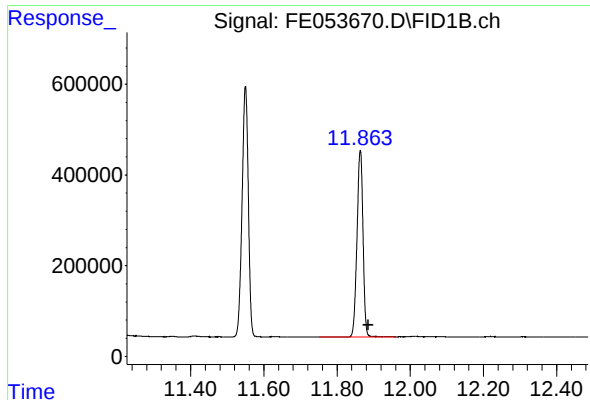
#7 n-Hexadecane (C16)

R.T.: 10.101 min
Delta R.T.: -0.020 min
Response: 6324249
Conc: 44.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.021 min
Response: 6551303
Conc: 44.95 ug/ml



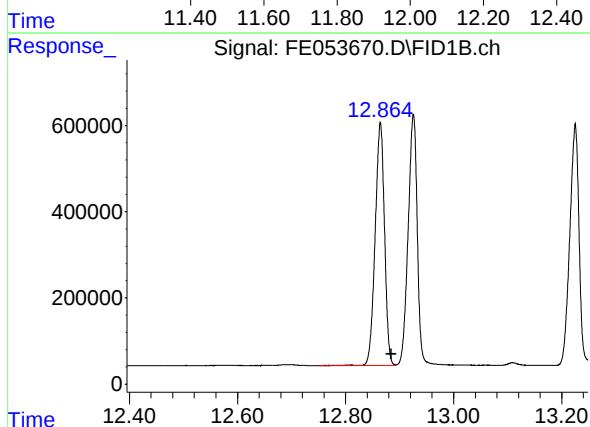
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: -0.023 min
Response: 4670791
Conc: 25.90 ug/ml

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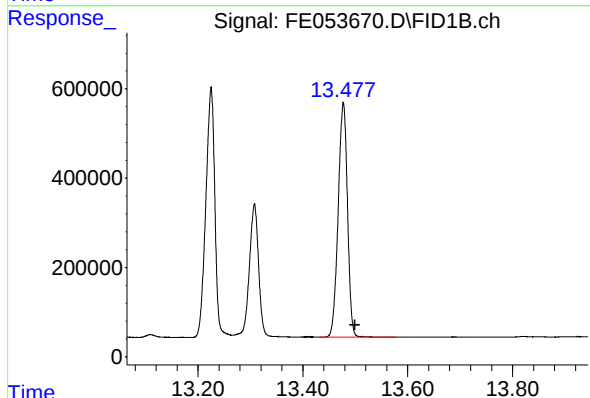
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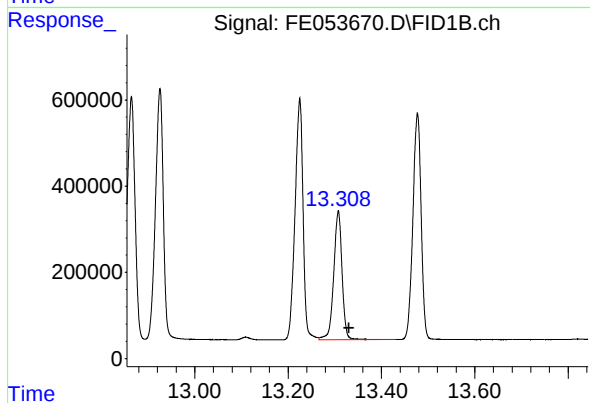
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.021 min
Response: 6768225
Conc: 46.51 ug/ml



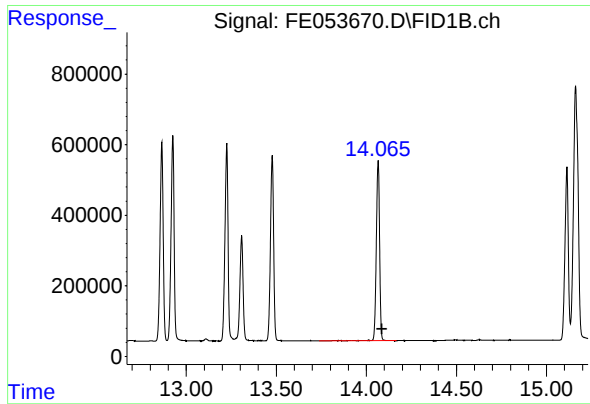
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.022 min
Response: 6449958
Conc: 44.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.307 min
Delta R.T.: -0.023 min
Response: 3696074
Conc: 27.34 ug/ml



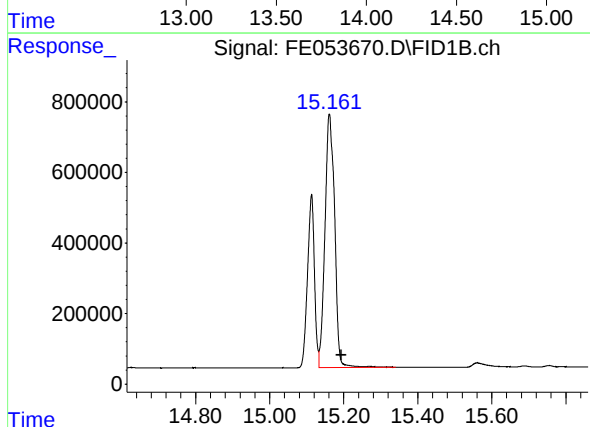
#13 n-Docosane (C22)

R.T.: 14.065 min
Delta R.T.: -0.023 min
Response: 6501846
Conc: 45.06 ug/ml

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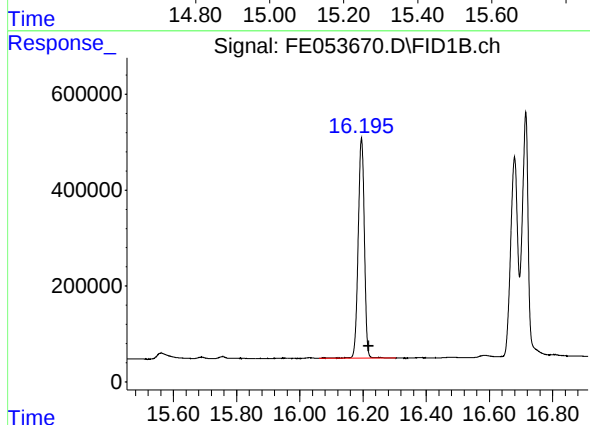
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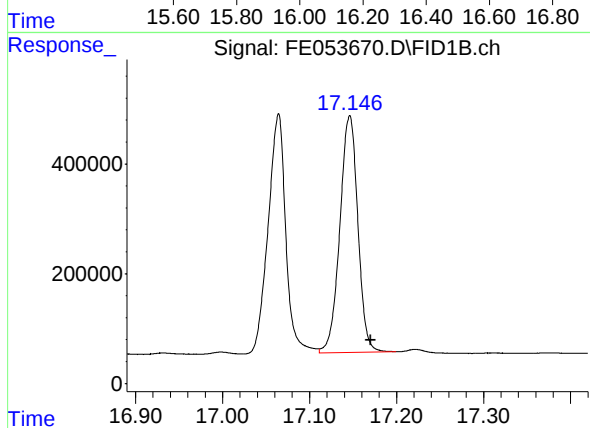
#14 n-Tetracosane (C24)

R.T.: 15.163 min
Delta R.T.: -0.031 min
Response: 13002807
Conc: 90.52 ug/ml



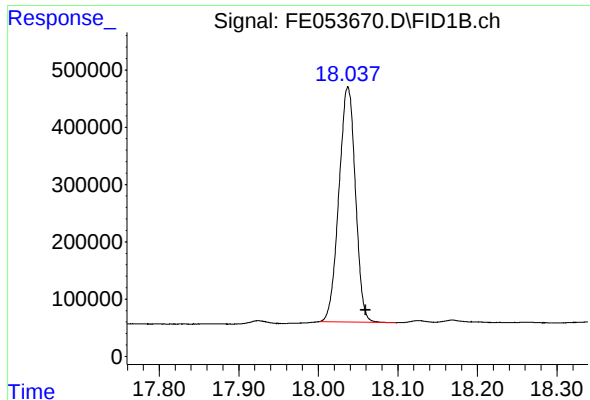
#15 n-Hexacosane (C26)

R.T.: 16.195 min
Delta R.T.: -0.023 min
Response: 6222550
Conc: 43.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.146 min
Delta R.T.: -0.024 min
Response: 6206334
Conc: 44.61 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.023 min
Response: 5918396
Conc: 42.52 ug/ml

Instrument :

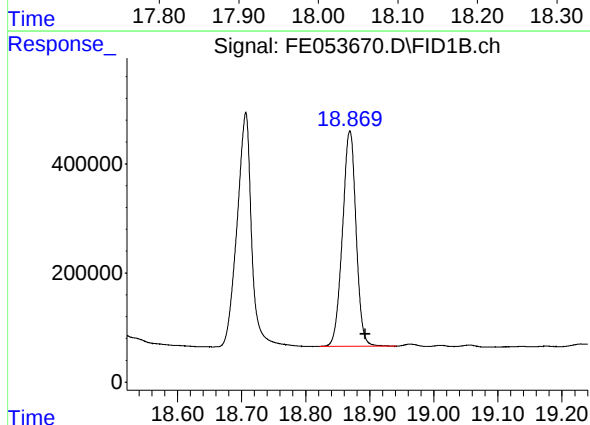
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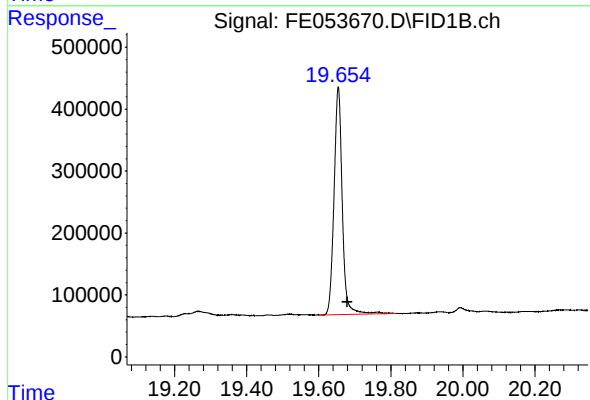
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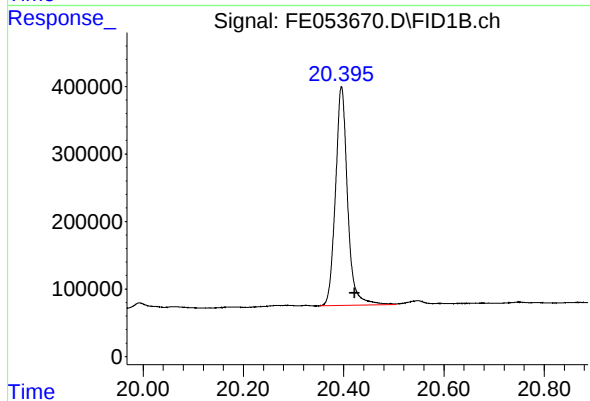
#18 n-Dotriacontane (C32)

R.T.: 18.869 min
Delta R.T.: -0.025 min
Response: 5799949
Conc: 42.24 ug/ml



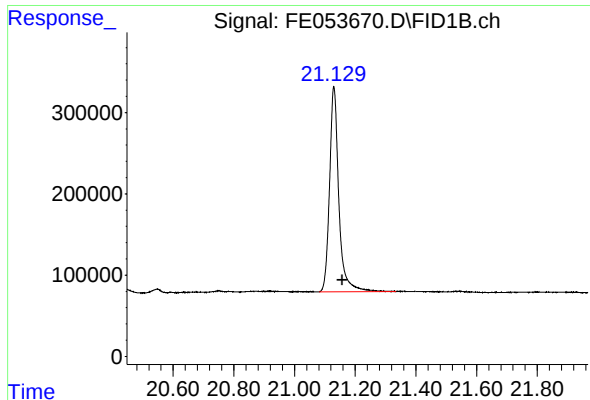
#19 n-Tetratriacontane (C34)

R.T.: 19.654 min
Delta R.T.: -0.026 min
Response: 5842568
Conc: 44.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.396 min
Delta R.T.: -0.026 min
Response: 5430699
Conc: 43.02 ug/ml



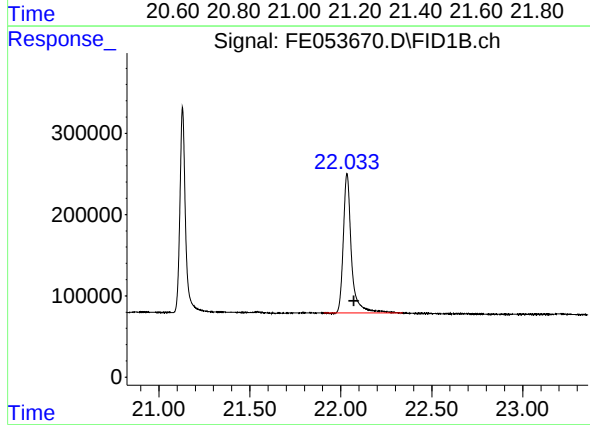
#21 n-Octatriacontane (C38)

R.T.: 21.130 min
Delta R.T.: -0.028 min
Response: 5353076
Conc: 43.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.034 min
Delta R.T.: -0.039 min
Response: 5382235
Conc: 45.07 ug/ml