

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040425AL\
 Data File : FE053195.D
 Signal(s) : FID1B.ch
 Acq On : 04 Apr 2025 16:14
 Operator : YP\AJ
 Sample : Q1712-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

Z-05AMS

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 23:55:25 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	3358114	20.617 ug/ml
Spiked Amount 50.000		Recovery =	41.23%
12) S 1-chlorooctadecane (S...	13.338	4445758	37.034 ug/ml
Spiked Amount 50.000		Recovery =	74.07%
Target Compounds			
1) T n-Nonane (C9)	3.233	3576146	23.096 ug/ml
2) T n-Decane (C10)	4.498	3903233	24.884 ug/ml
3) T A~Naphthalene (C11.7)	6.210	5744761	34.197 ug/ml
4) T n-Dodecane (C12)	6.678	4152054	26.548 ug/ml
5) T A~2-methylnaphthalene...	7.312	4748584	29.760 ug/ml
6) T n-Tetradecane (C14)	8.515	4236536	27.669 ug/ml
7) T n-Hexadecane (C16)	10.129	5403481	35.054 ug/ml
8) T n-Octadecane (C18)	11.578	4367737	28.798 ug/mlm
10) T n-Eicosane (C20)	12.894	6546151	45.914 ug/ml
11) T n-Heneicosane (C21)	13.506	5757619	41.490 ug/ml
13) T n-Docosane (C22)	14.094	5560638	40.602 ug/ml
14) T n-Tetracosane (C24)	15.199	19124115	141.598 ug/ml
15) T n-Hexacosane (C26)	16.225	4978593	37.319 ug/ml
16) T n-Octacosane (C28)	17.176	6507128	49.308 ug/ml
17) T n-Tricontane (C30)	18.067	4856033	35.827 ug/ml
18) T n-Dotriacontane (C32)	18.899	4575520	34.003 ug/mlm
19) T n-Tetratriacontane (C34)	19.684	4471726	34.558 ug/ml
20) T n-Hexatriacontane (C36)	20.425	4237449	35.672 ug/ml
21) T n-Octatriacontane (C38)	21.164	4494513	39.104 ug/ml
22) T n-Tetracontane (C40)	22.075	4354117	38.768 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 16 Sample Multiplier: 1

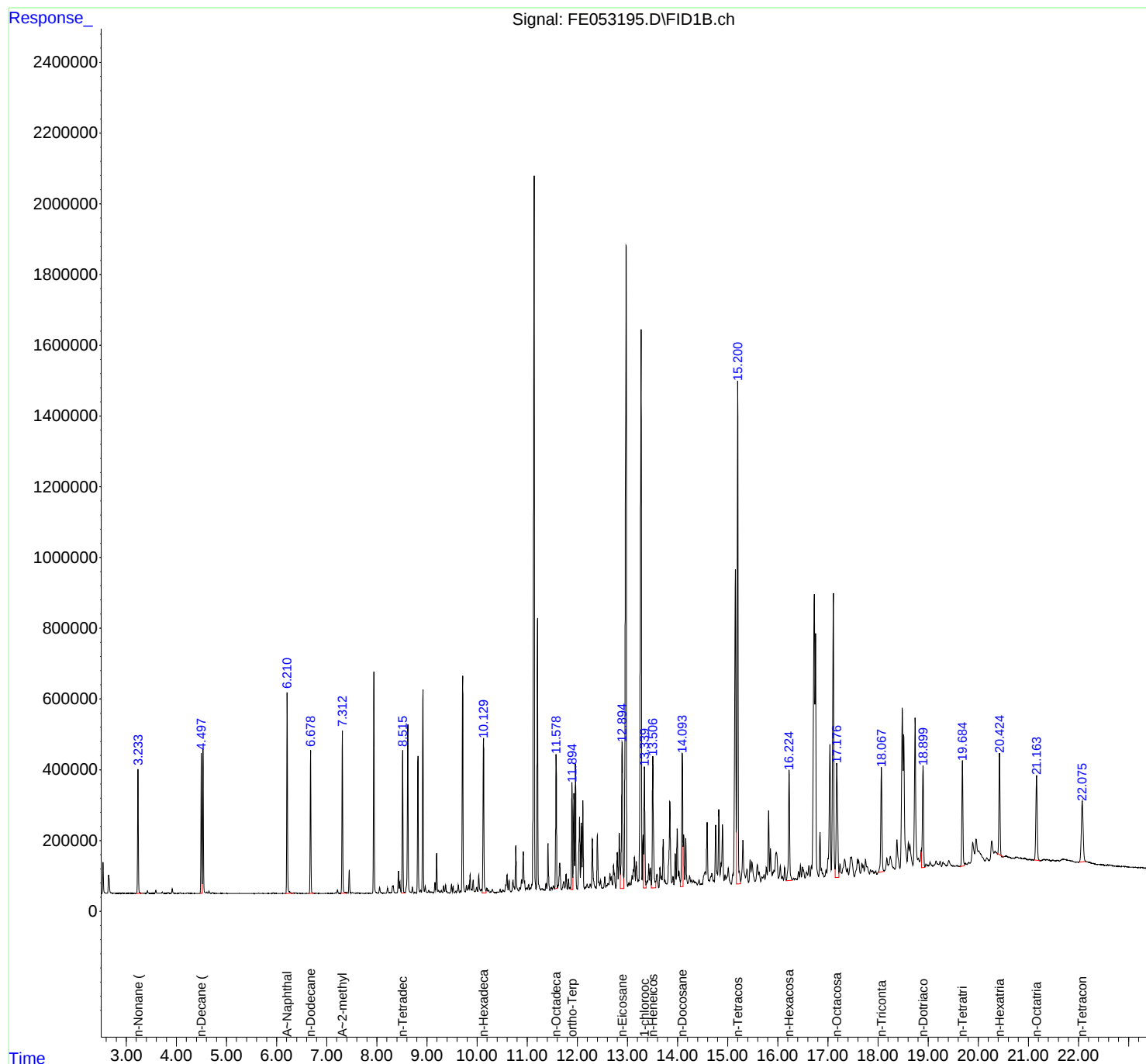
Instrument :
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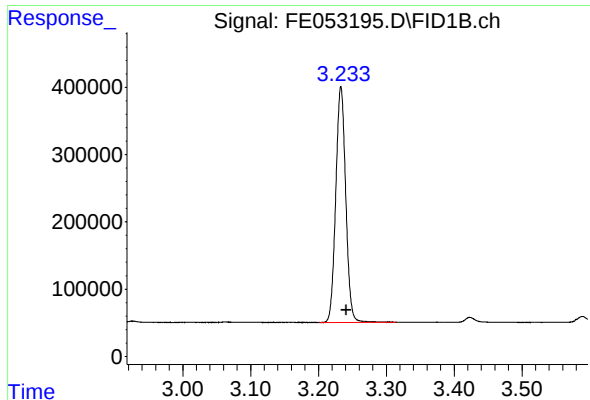
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





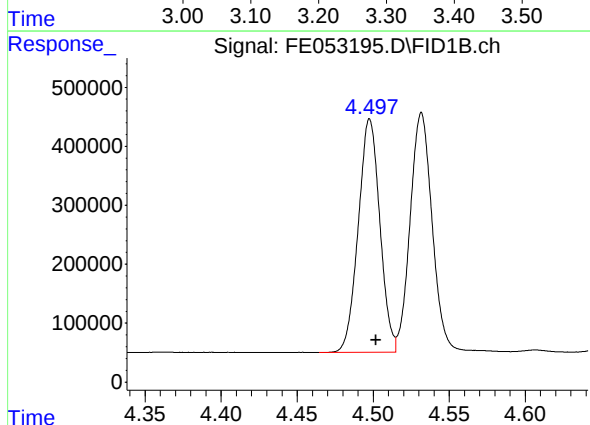
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.008 min
Response: 3576146
Conc: 23.10 ug/ml

Instrument :
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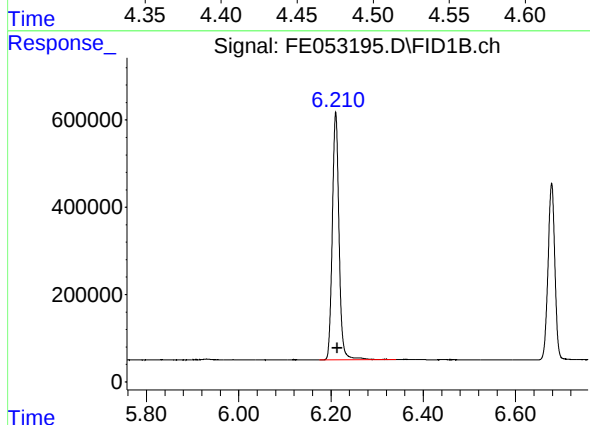
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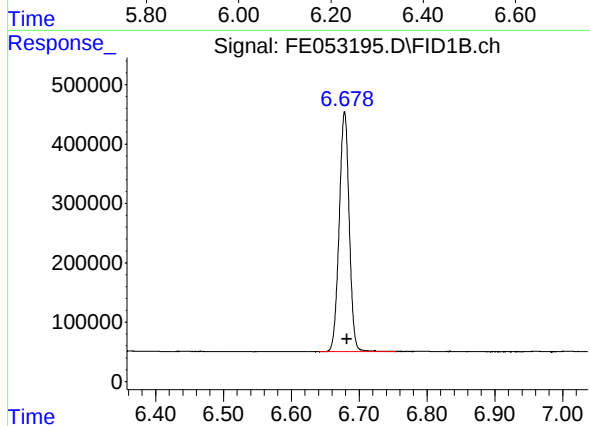
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.004 min
Response: 3903233
Conc: 24.88 ug/ml



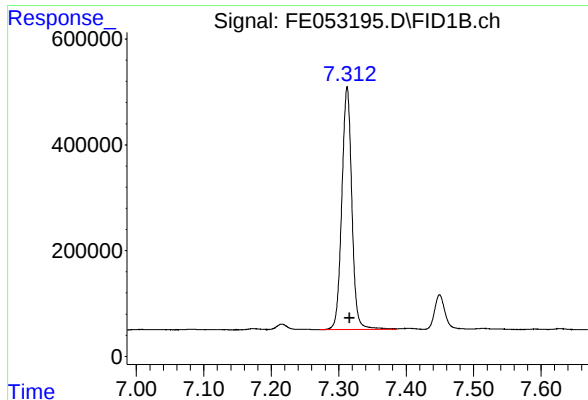
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.004 min
Response: 5744761
Conc: 34.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.678 min
Delta R.T.: -0.004 min
Response: 4152054
Conc: 26.55 ug/ml



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

R.T.: 7.312 min
Delta R.T.: -0.004 min
Response: 4748584
Conc: 29.76 ug/ml

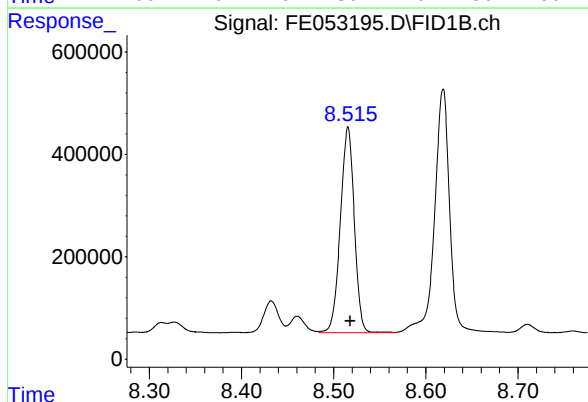
Instrument :

FID_E

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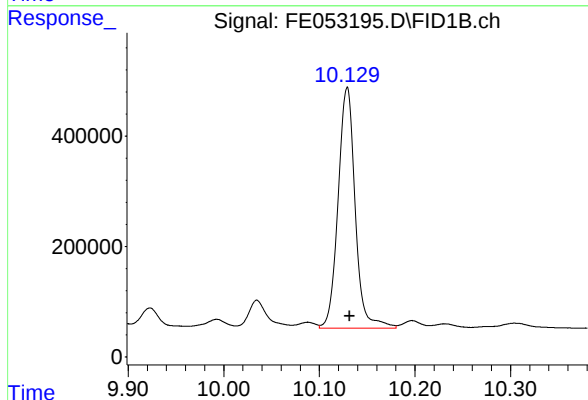
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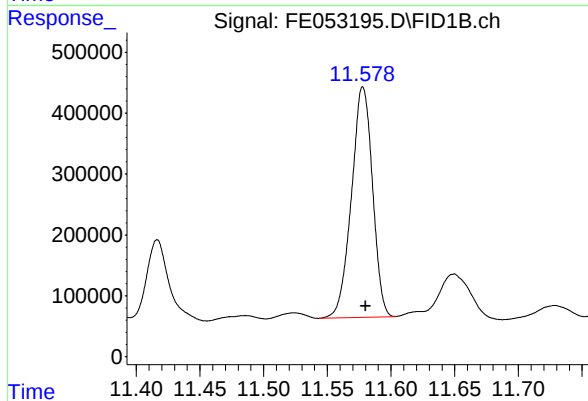
#6 n-Tetradecane (C14)

R.T.: 8.515 min
Delta R.T.: -0.003 min
Response: 4236536
Conc: 27.67 ug/ml



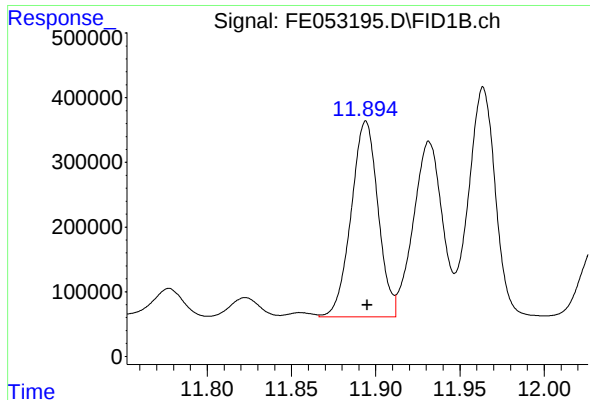
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.003 min
Response: 5403481
Conc: 35.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.578 min
Delta R.T.: -0.003 min
Response: 4367737
Conc: 28.80 ug/ml m



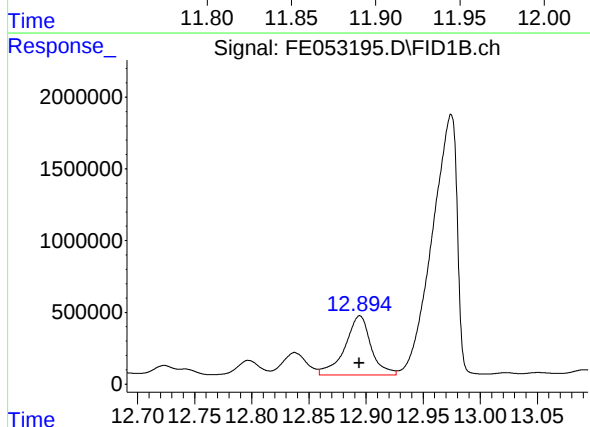
#9 ortho-Terphenyl (SURR)

R.T.: 11.894 min
Delta R.T.: -0.001 min
Response: 3358114
Conc: 20.62 ug/ml

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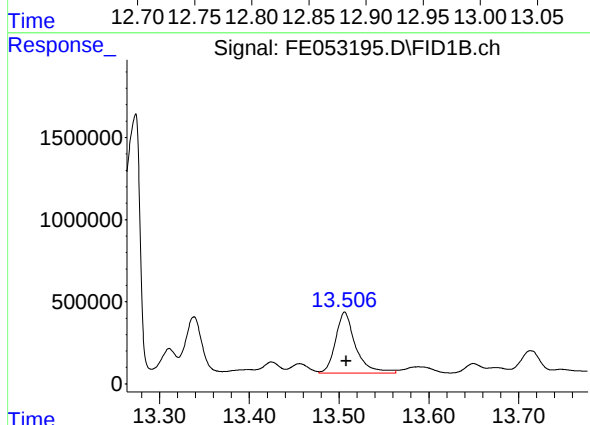
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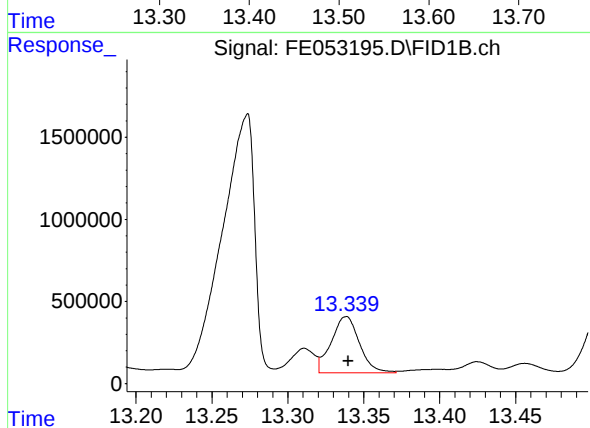
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 6546151
Conc: 45.91 ug/ml



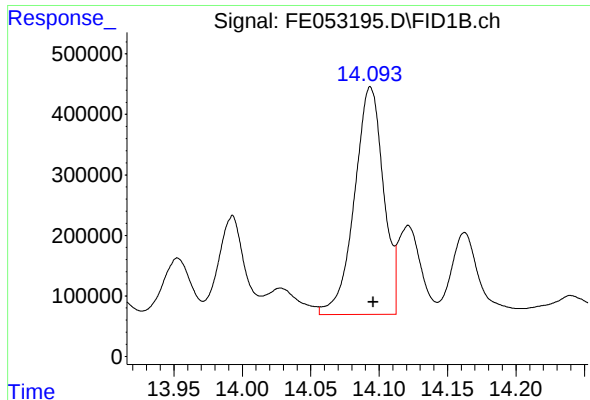
#11 n-Heneicosane (C21)

R.T.: 13.506 min
Delta R.T.: -0.002 min
Response: 5757619
Conc: 41.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.338 min
Delta R.T.: -0.001 min
Response: 4445758
Conc: 37.03 ug/ml



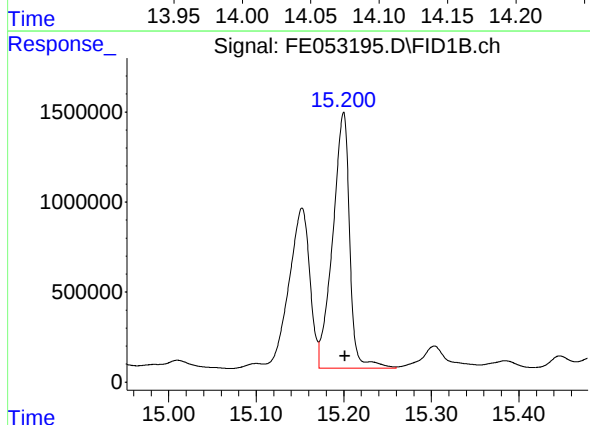
#13 n-Docosane (C22)

R.T.: 14.094 min
Delta R.T.: -0.002 min
Response: 5560638
Conc: 40.60 ug/ml

Instrument :
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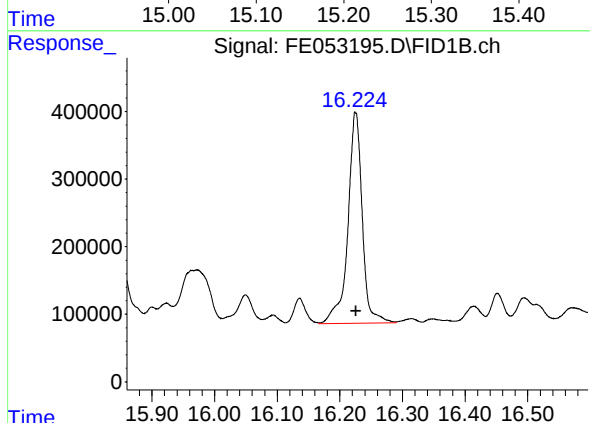
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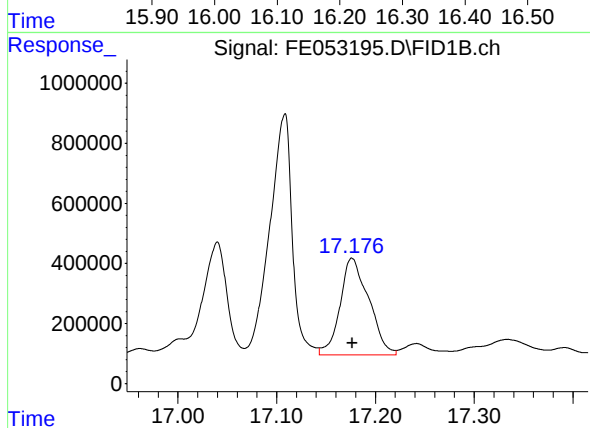
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.002 min
Response: 19124115
Conc: 141.60 ug/ml



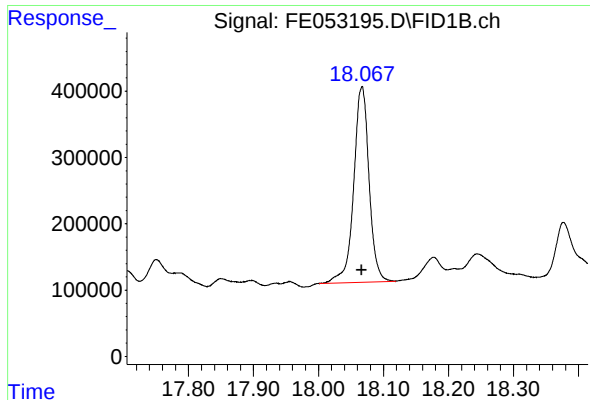
#15 n-Hexacosane (C26)

R.T.: 16.225 min
Delta R.T.: 0.000 min
Response: 4978593
Conc: 37.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.176 min
Delta R.T.: 0.000 min
Response: 6507128
Conc: 49.31 ug/ml



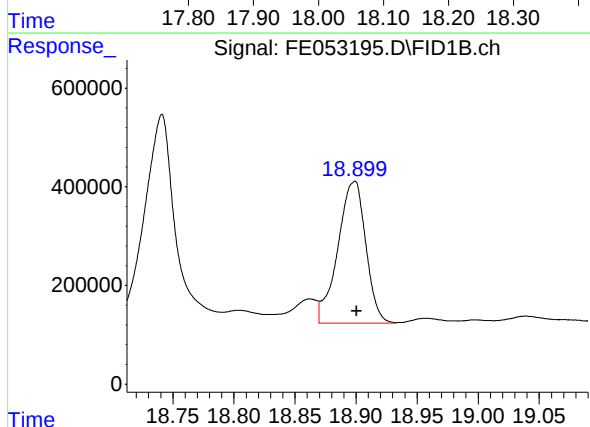
#17 n-Tricontane (C30)

R.T.: 18.067 min
Delta R.T.: 0.000 min
Response: 4856033
Conc: 35.83 ug/ml

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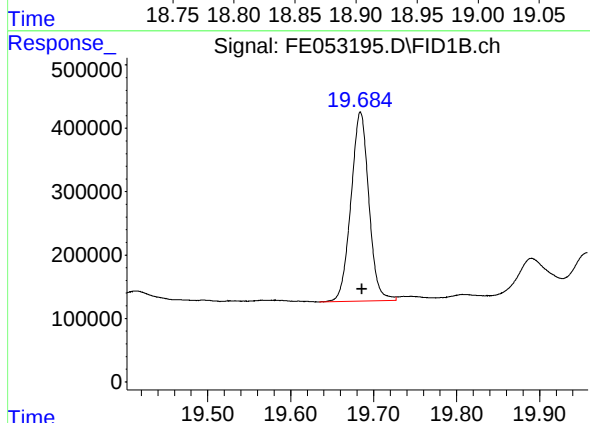
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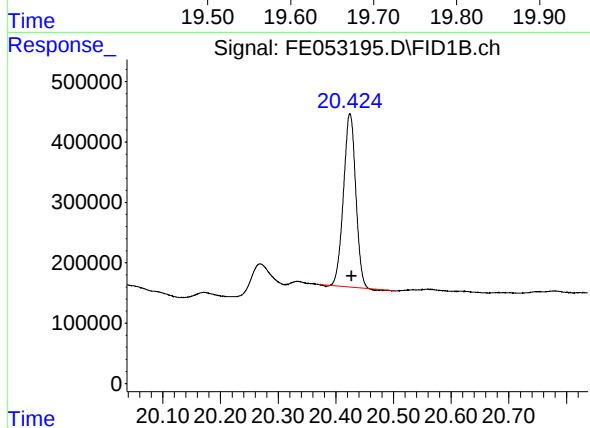
#18 n-Dotriacontane (C32)

R.T.: 18.899 min
Delta R.T.: -0.002 min
Response: 4575520
Conc: 34.00 ug/ml m



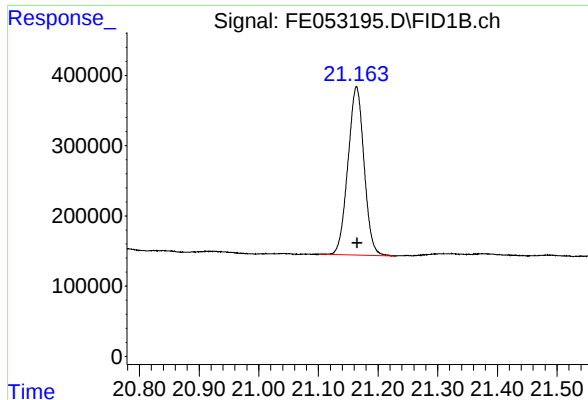
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.002 min
Response: 4471726
Conc: 34.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.425 min
Delta R.T.: -0.003 min
Response: 4237449
Conc: 35.67 ug/ml



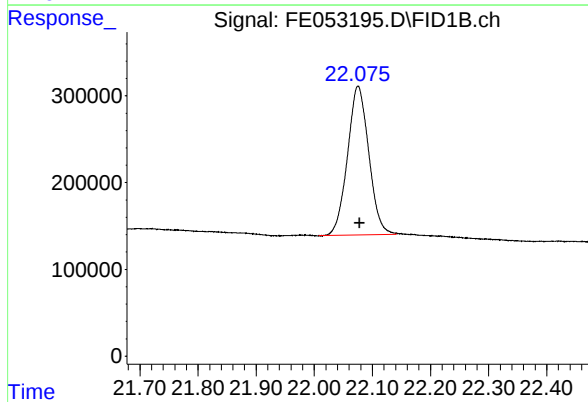
#21 n-Octatriacontane (C38)

R.T.: 21.164 min
Delta R.T.: -0.001 min
Response: 4494513
Conc: 39.10 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: -0.004 min
Response: 4354117
Conc: 38.77 ug/ml m