

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061625AL\
 Data File : FE054424.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 01:48
 Operator : YP\AJ
 Sample : PB168485BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168485BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/17/2025

Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e

Quant Time: Jun 17 03:37:59 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 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)	11.829	7147452	43.256 ug/ml
Spiked Amount 50.000		Recovery =	86.51%
12) S 1-chlorooctadecane (S...	13.272	5690211	46.661 ug/mlm
Spiked Amount 50.000		Recovery =	93.32%
Target Compounds			
1) T n-Nonane (C9)	3.185	5331842	42.937 ug/ml
2) T n-Decane (C10)	4.443	5460507	43.946 ug/ml
3) T A~Naphthalene (C11.7)	6.154	6751043	49.956 ug/ml
4) T n-Dodecane (C12)	6.622	5698417	44.752 ug/ml
5) T A~2-methylnaphthalene...	7.256	6245682	47.154 ug/ml
6) T n-Tetradecane (C14)	8.457	5765627	44.534 ug/ml
7) T n-Hexadecane (C16)	10.067	5872366	44.207 ug/ml
8) T n-Octadecane (C18)	11.515	5899001	43.686 ug/ml
10) T n-Eicosane (C20)	12.828	6082919	45.471 ug/ml
11) T n-Heneicosane (C21)	13.441	5822304	43.787 ug/ml
13) T n-Docosane (C22)	14.028	5765311	43.969 ug/ml
14) T n-Tetracosane (C24)	15.129	12569445	97.442 ug/ml
15) T n-Hexacosane (C26)	16.158	5563772	44.323 ug/ml
16) T n-Octacosane (C28)	17.106	5852781	47.727 ug/mlm
17) T n-Tricontane (C30)	17.998	5484832	44.253 ug/ml
18) T n-Dotriacontane (C32)	18.829	5659189	45.041 ug/mlm
19) T n-Tetratriacontane (C34)	19.615	5679126	45.650 ug/ml
20) T n-Hexatriacontane (C36)	20.356	5856147	45.491 ug/ml
21) T n-Octatriacontane (C38)	21.084	6327127	47.918 ug/ml
22) T n-Tetracontane (C40)	21.972	6351218	47.149 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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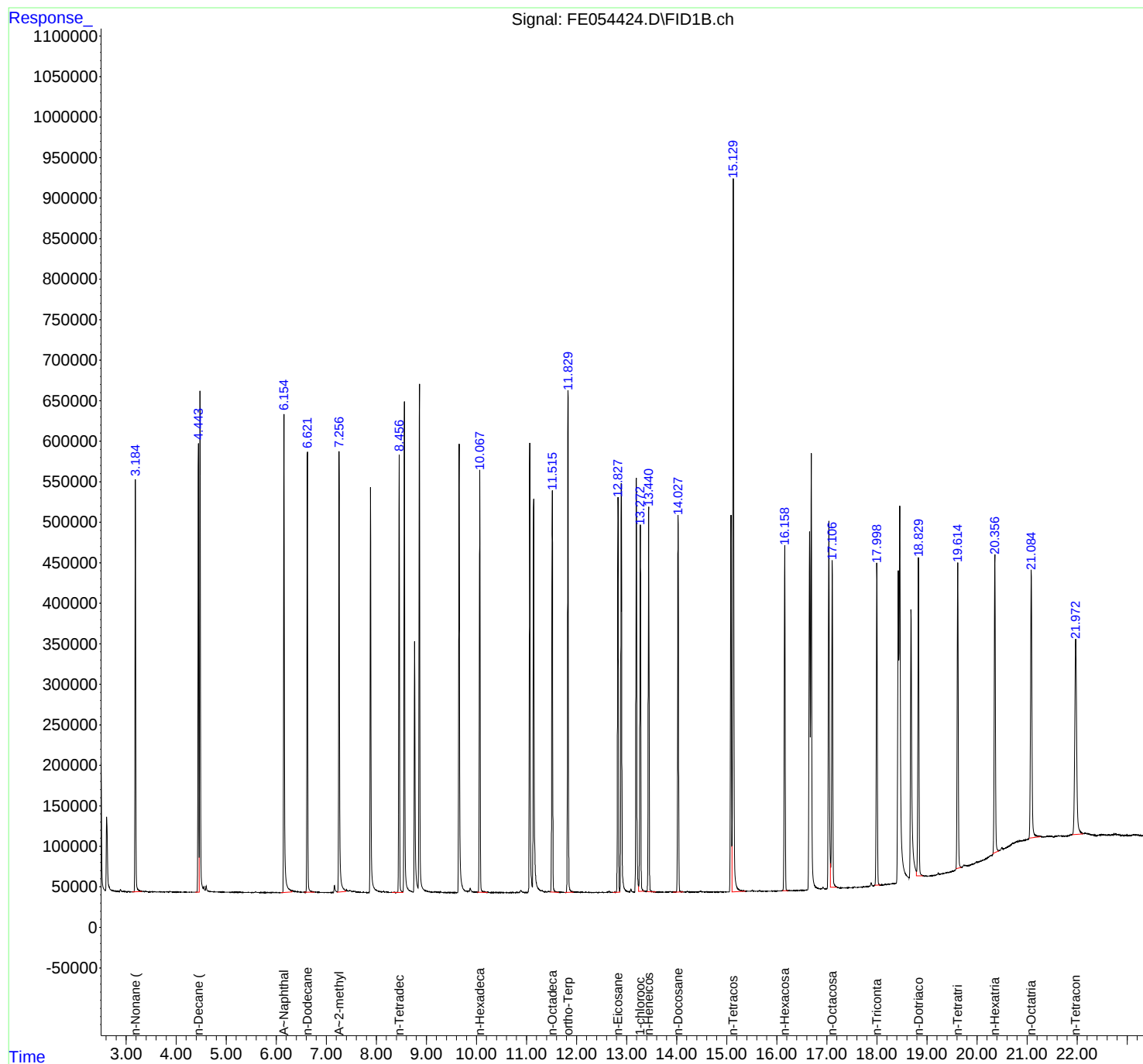
Instrument :
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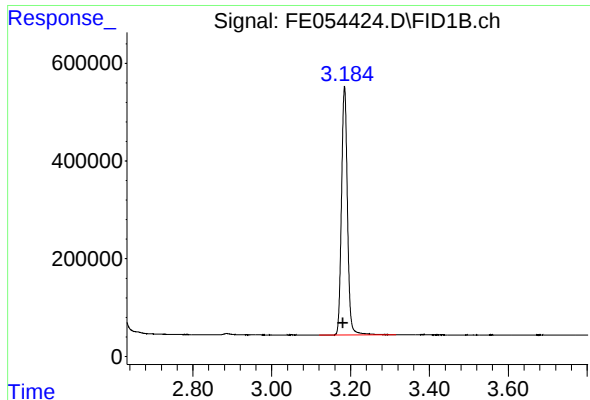
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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.185 min
Delta R.T.: 0.004 min
Response: 5331842
Conc: 42.94 ug/ml

Instrument :

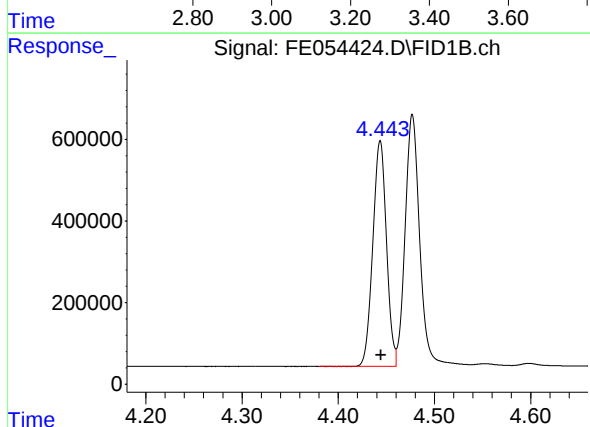
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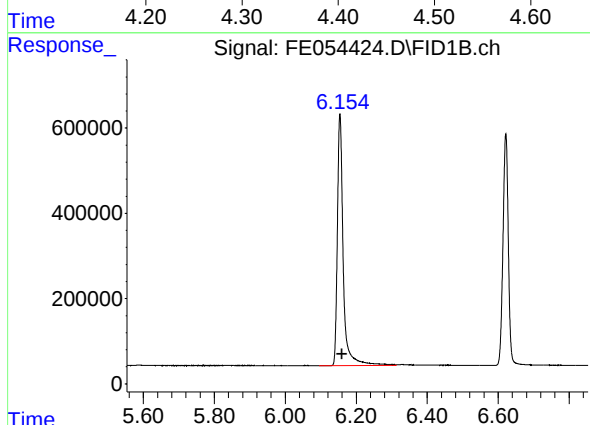
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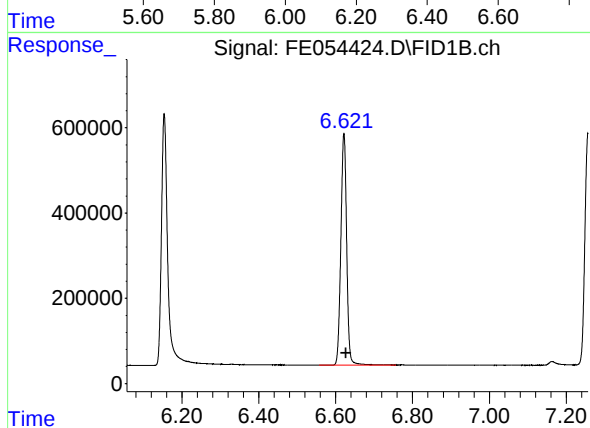
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: 0.000 min
Response: 5460507
Conc: 43.95 ug/ml



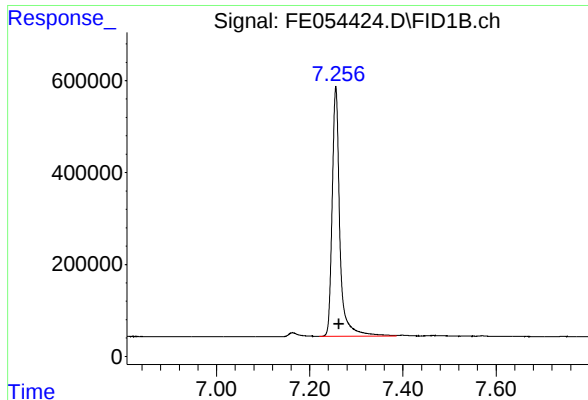
#3 A~Naphthalene (C11.7)

R.T.: 6.154 min
Delta R.T.: -0.006 min
Response: 6751043
Conc: 49.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.622 min
Delta R.T.: -0.005 min
Response: 5698417
Conc: 44.75 ug/ml



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

R.T.: 7.256 min
Delta R.T.: -0.007 min
Response: 6245682
Conc: 47.15 ug/ml

Instrument :

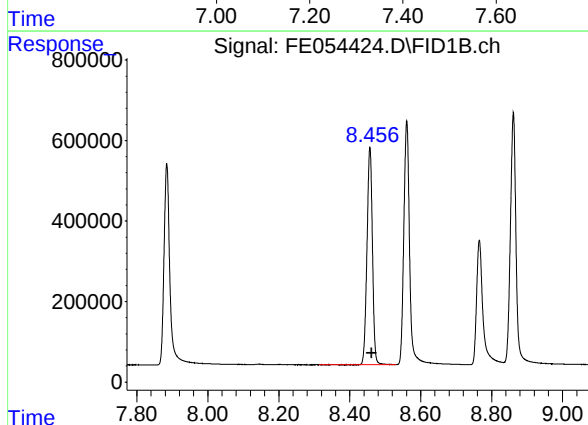
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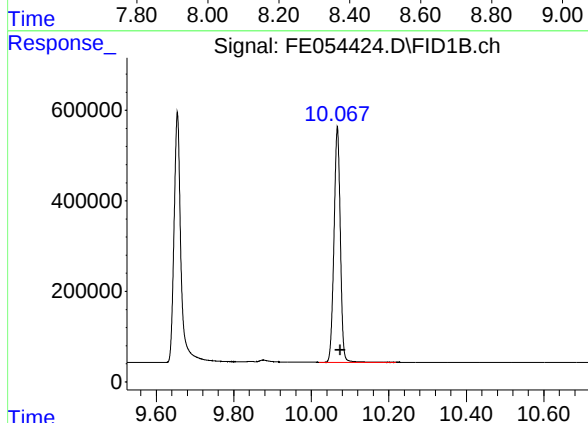
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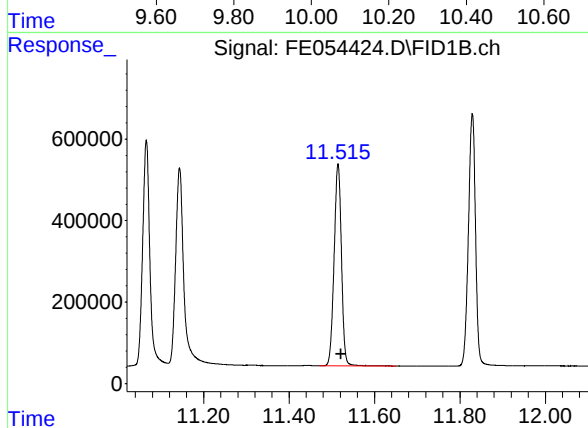
#6 n-Tetradecane (C14)

R.T.: 8.457 min
Delta R.T.: -0.005 min
Response: 5765627
Conc: 44.53 ug/ml



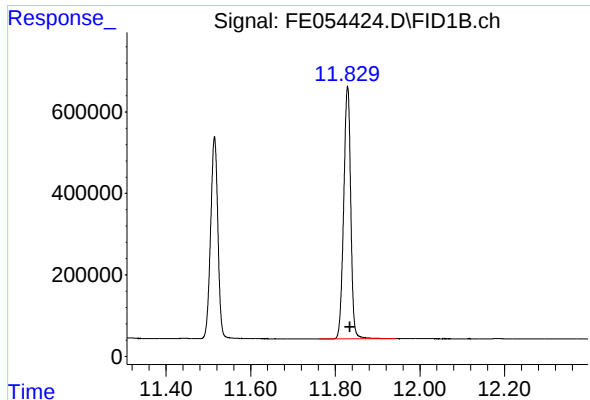
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: -0.007 min
Response: 5872366
Conc: 44.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.515 min
Delta R.T.: -0.006 min
Response: 5899001
Conc: 43.69 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.829 min
Delta R.T.: -0.006 min
Response: 7147452
Conc: 43.26 ug/ml

Instrument :

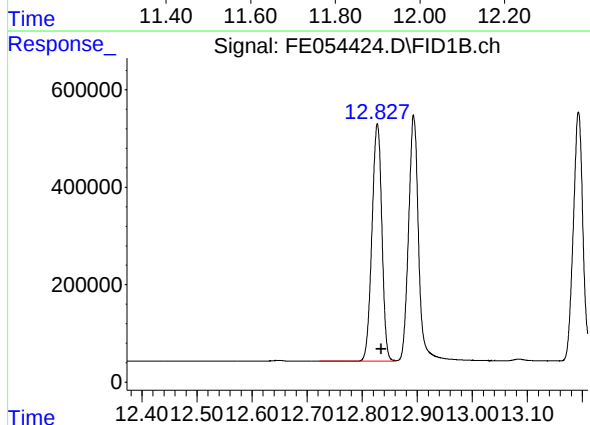
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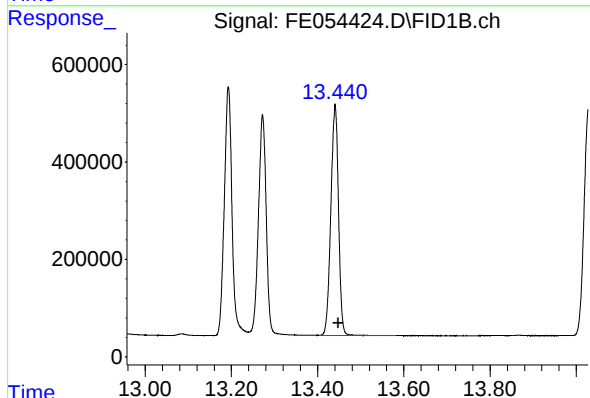
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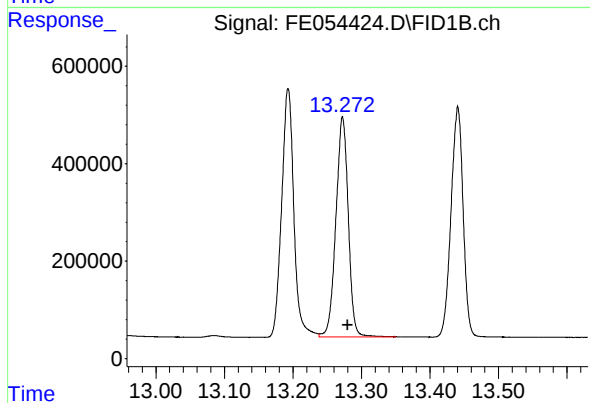
#10 n-Eicosane (C20)

R.T.: 12.828 min
Delta R.T.: -0.007 min
Response: 6082919
Conc: 45.47 ug/ml



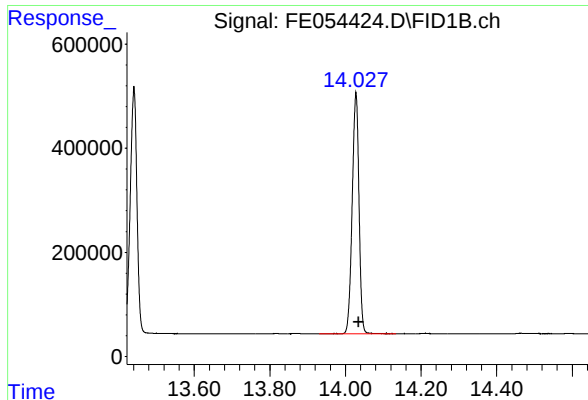
#11 n-Heneicosane (C21)

R.T.: 13.441 min
Delta R.T.: -0.007 min
Response: 5822304
Conc: 43.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.272 min
Delta R.T.: -0.008 min
Response: 5690211
Conc: 46.66 ug/ml m



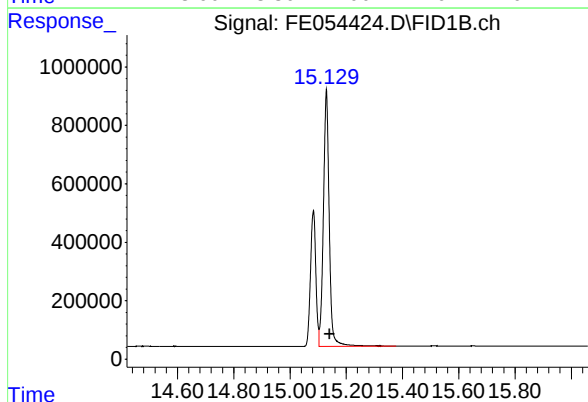
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.008 min
Response: 5765311
Conc: 43.97 ug/ml

Instrument :
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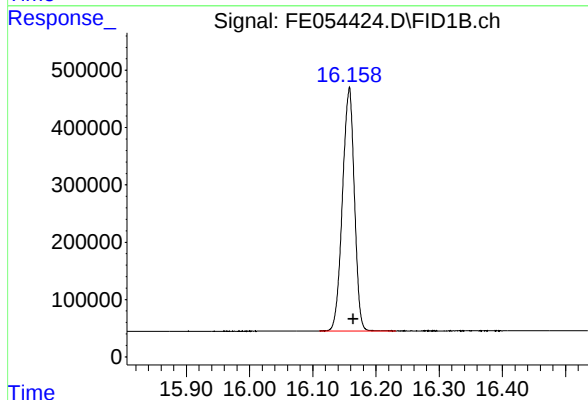
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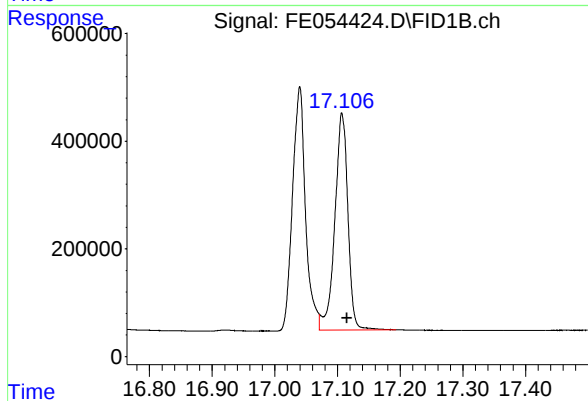
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.012 min
Response: 12569445
Conc: 97.44 ug/ml



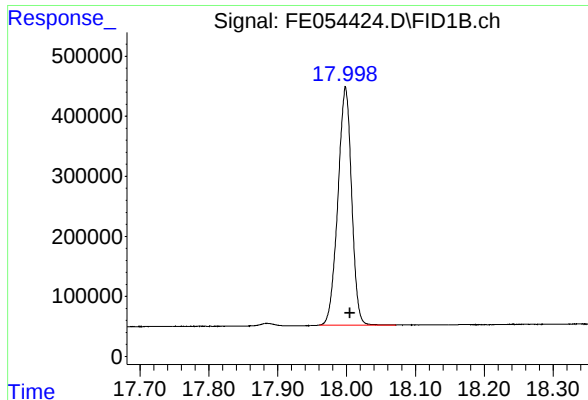
#15 n-Hexacosane (C26)

R.T.: 16.158 min
Delta R.T.: -0.006 min
Response: 5563772
Conc: 44.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.009 min
Response: 5852781
Conc: 47.73 ug/ml m



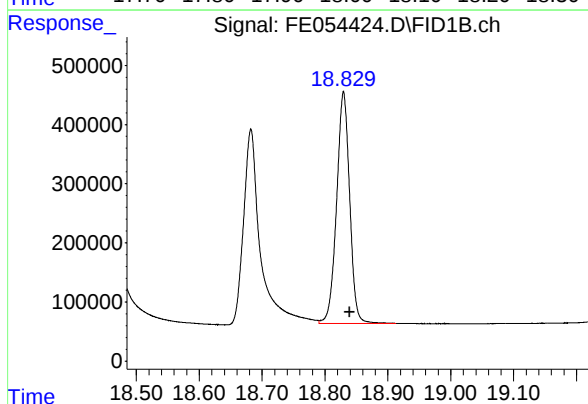
#17 n-Tricontane (C30)

R.T.: 17.998 min
Delta R.T.: -0.007 min
Response: 5484832
Conc: 44.25 ug/ml

Instrument :
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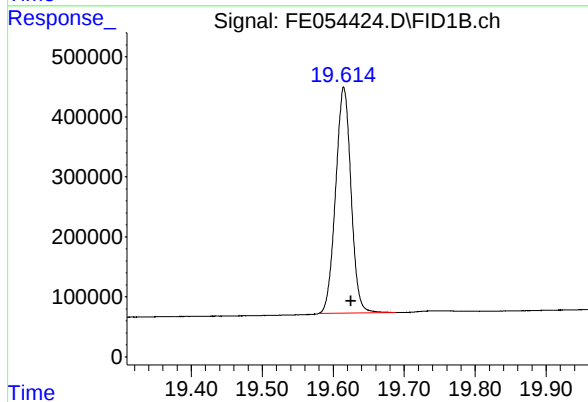
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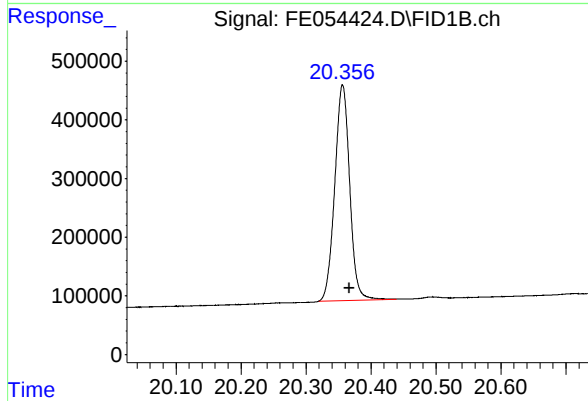
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.010 min
Response: 5659189
Conc: 45.04 ug/ml



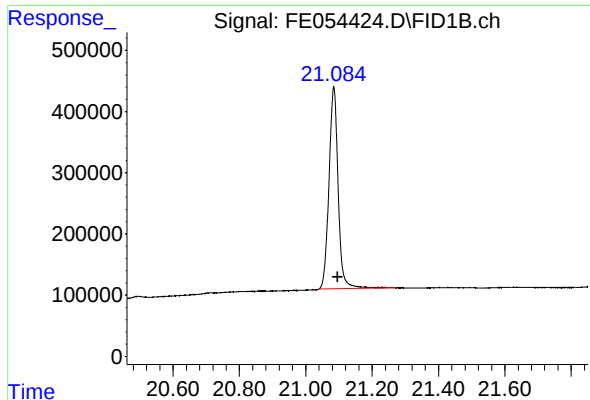
#19 n-Tetratriacontane (C34)

R.T.: 19.615 min
Delta R.T.: -0.010 min
Response: 5679126
Conc: 45.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.356 min
Delta R.T.: -0.010 min
Response: 5856147
Conc: 45.49 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: -0.011 min
Response: 6327127
Conc: 47.92 ug/ml

Instrument :

FID_E

ClientSampleId :

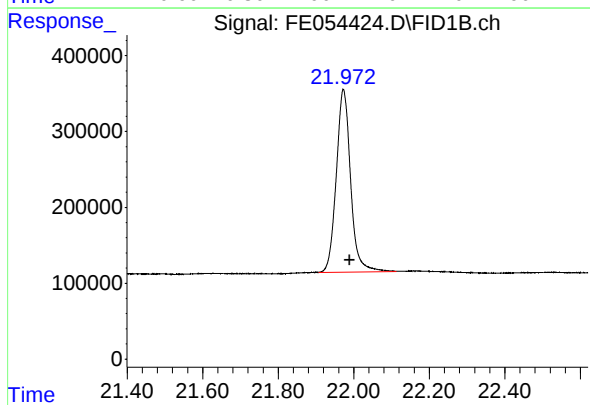
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#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: -0.017 min
Response: 6351218
Conc: 47.15 ug/ml m