

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061125AL\
 Data File : FE054300.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 21:50
 Operator : YP\AJ
 Sample : Q2274-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP-13-MHP-WCMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/11/2025

Supervised By :mohammad ahmed 06/12/2025

Integration File: autoint1.e

Quant Time: Jun 11 02:41:11 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)	11.831	5250778	31.778 ug/ml
Spiked Amount 50.000		Recovery =	63.56%
12) S 1-chlorooctadecane (S...	13.275	4434964	36.367 ug/mlm
Spiked Amount 50.000		Recovery =	72.73%
Target Compounds			
1) T n-Nonane (C9)	3.179	4566731	36.775 ug/ml
2) T n-Decane (C10)	4.442	5018016	40.385 ug/ml
3) T A~Naphthalene (C11.7)	6.156	4342549	32.133 ug/ml
4) T n-Dodecane (C12)	6.624	5539619	43.505 ug/ml
5) T A~2-methylnaphthalene...	7.258	4164748	31.443 ug/ml
6) T n-Tetradecane (C14)	8.460	5946500	45.931 ug/ml
7) T n-Hexadecane (C16)	10.071	6491778	48.870 ug/ml
8) T n-Octadecane (C18)	11.519	6921481	51.258 ug/ml
10) T n-Eicosane (C20)	12.832	7347438	54.923 ug/ml
11) T n-Heneicosane (C21)	13.445	7027216	52.849 ug/ml
13) T n-Docosane (C22)	14.033	6996843	53.362 ug/ml
14) T n-Tetracosane (C24)	15.134	11892234	92.192 ug/ml
15) T n-Hexacosane (C26)	16.163	6794946	54.131 ug/ml
16) T n-Octacosane (C28)	17.112	6866831	55.996 ug/mlm
17) T n-Tricontane (C30)	18.003	6685331	53.939 ug/ml
18) T n-Dotriacontane (C32)	18.836	6383274	50.804 ug/ml
19) T n-Tetratriacontane (C34)	19.620	5404045	43.439 ug/ml
20) T n-Hexatriacontane (C36)	20.360	4058391	31.526 ug/ml
21) T n-Octatriacontane (C38)	21.086	3212197	24.327 ug/ml
22) T n-Tetracontane (C40)	21.978	2591192	19.236 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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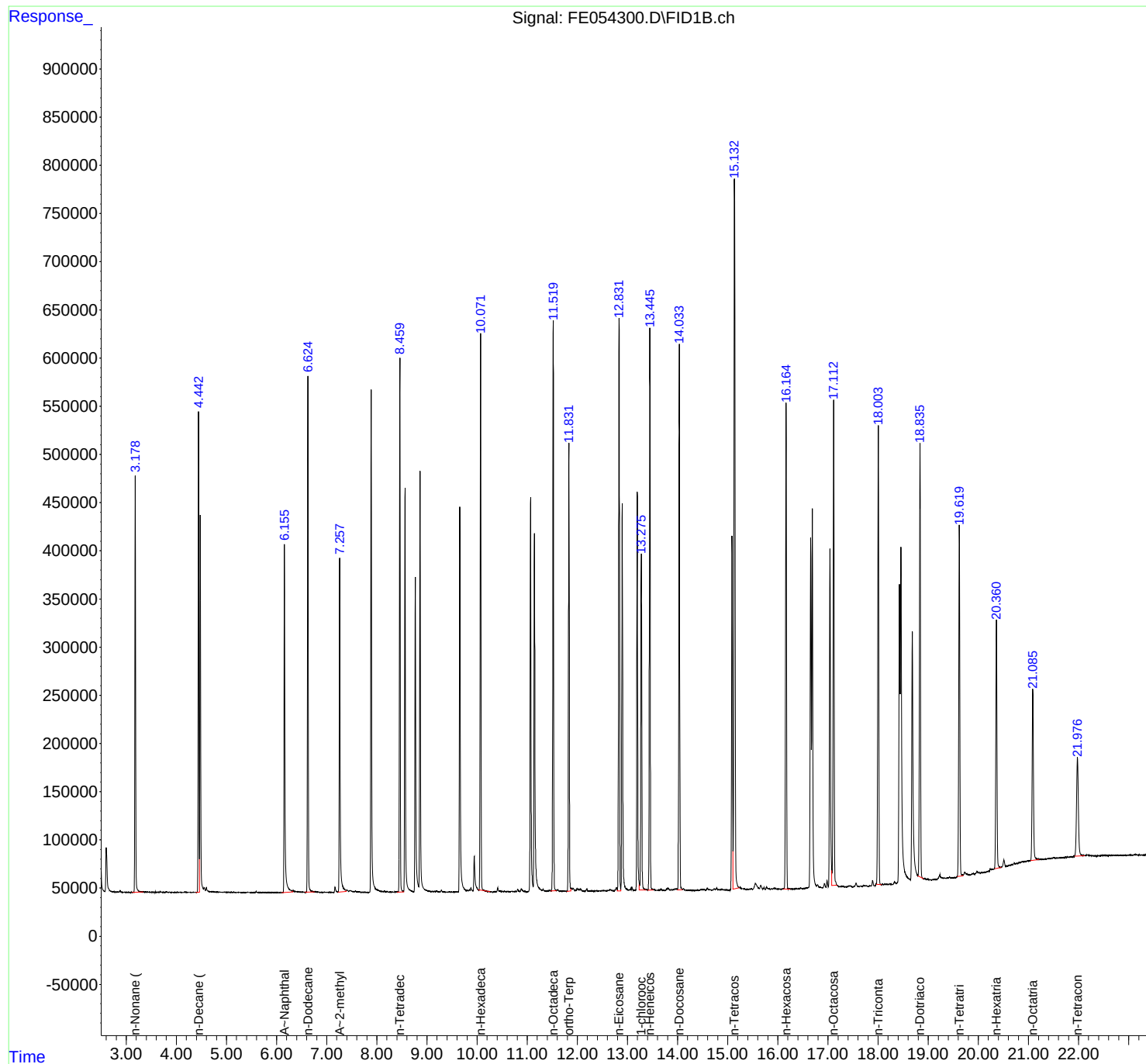
Instrument :
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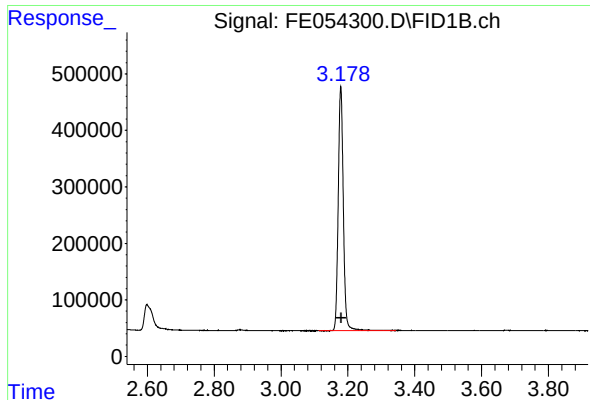
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Quant Title : GC Extractables
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Integrator: ChemStation

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





#1 n-Nonane (C9)

R.T.: 3.179 min
Delta R.T.: -0.002 min
Response: 4566731
Conc: 36.78 ug/ml

Instrument :

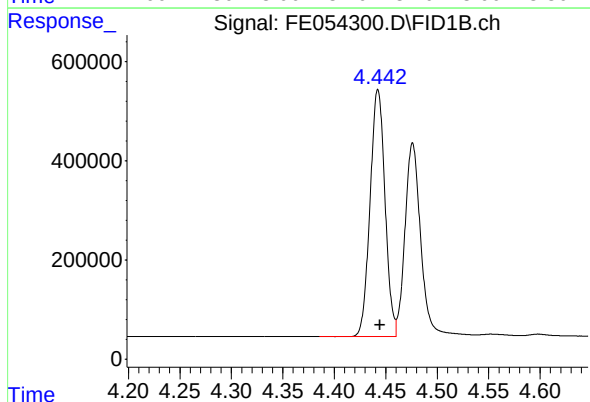
FID_E

ClientSampleId :

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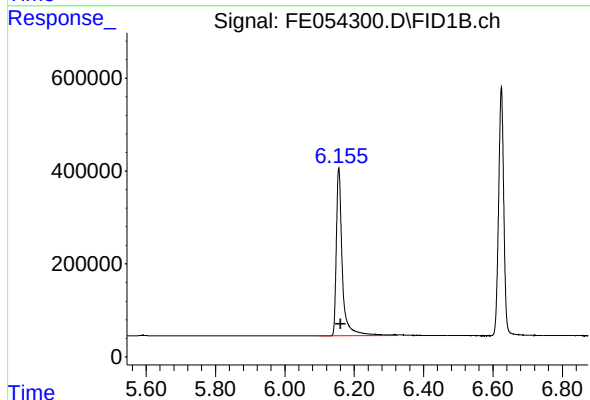
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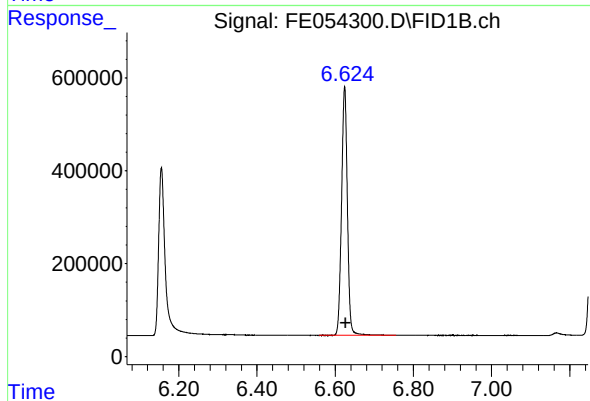
#2 n-Decane (C10)

R.T.: 4.442 min
Delta R.T.: -0.002 min
Response: 5018016
Conc: 40.39 ug/ml



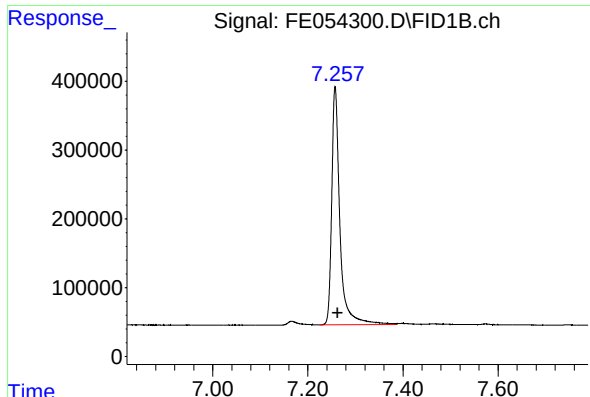
#3 A~Naphthalene (C11.7)

R.T.: 6.156 min
Delta R.T.: -0.005 min
Response: 4342549
Conc: 32.13 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.624 min
Delta R.T.: -0.002 min
Response: 5539619
Conc: 43.51 ug/ml



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

R.T.: 7.258 min
Delta R.T.: -0.005 min
Response: 4164748
Conc: 31.44 ug/ml

Instrument :

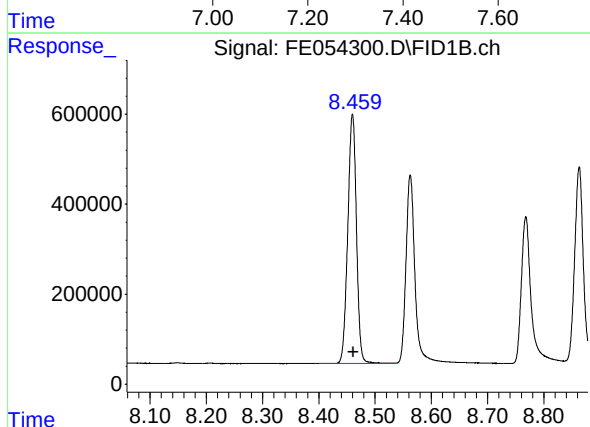
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ClientSampleId :

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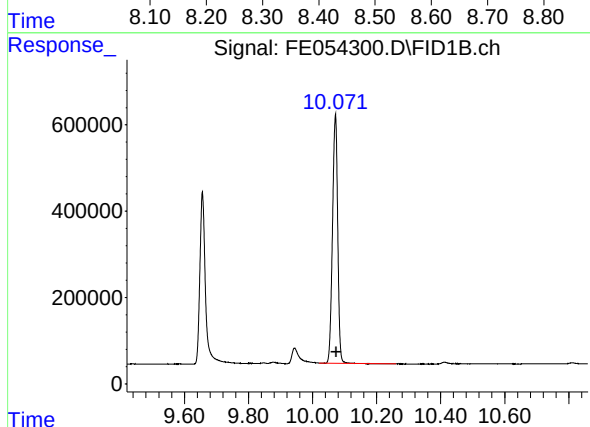
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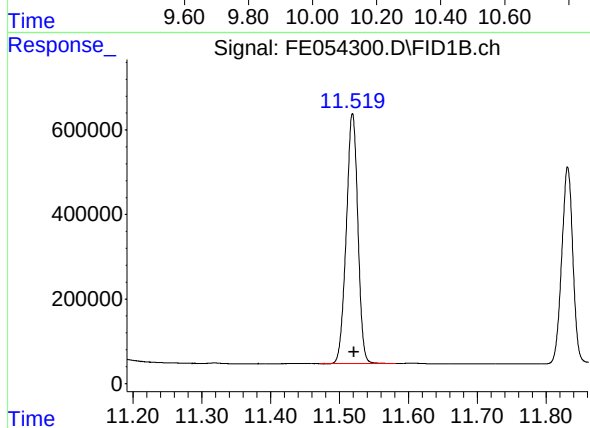
#6 n-Tetradecane (C14)

R.T.: 8.460 min
Delta R.T.: -0.002 min
Response: 5946500
Conc: 45.93 ug/ml



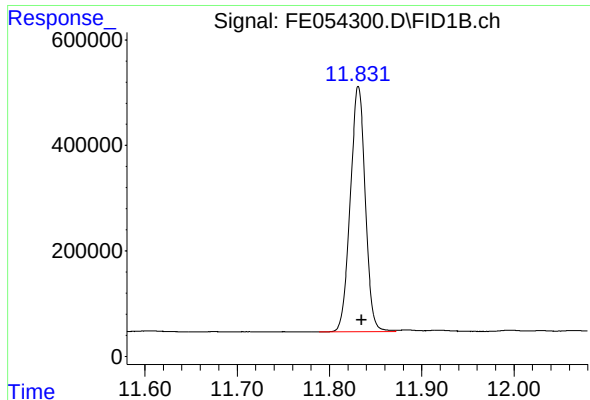
#7 n-Hexadecane (C16)

R.T.: 10.071 min
Delta R.T.: -0.003 min
Response: 6491778
Conc: 48.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.519 min
Delta R.T.: -0.002 min
Response: 6921481
Conc: 51.26 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.831 min
Delta R.T.: -0.004 min
Response: 5250778
Conc: 31.78 ug/ml

Instrument :

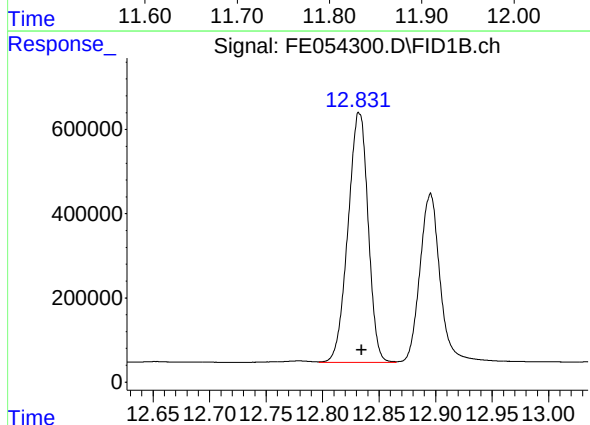
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ClientSampleId :

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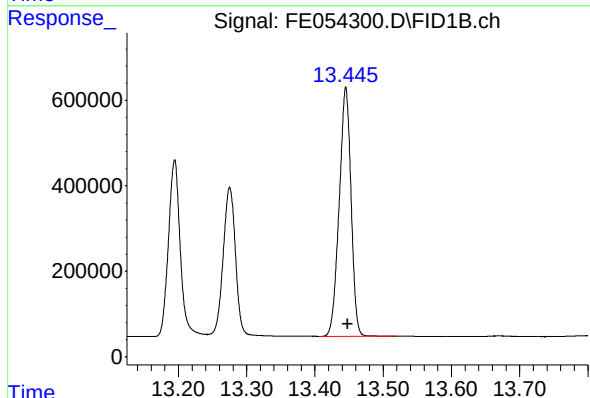
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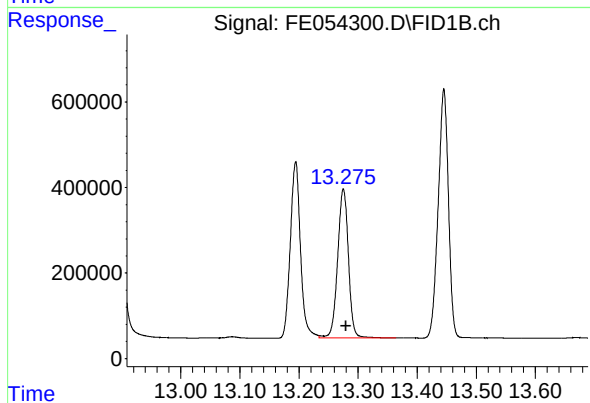
#10 n-Eicosane (C20)

R.T.: 12.832 min
Delta R.T.: -0.002 min
Response: 7347438
Conc: 54.92 ug/ml



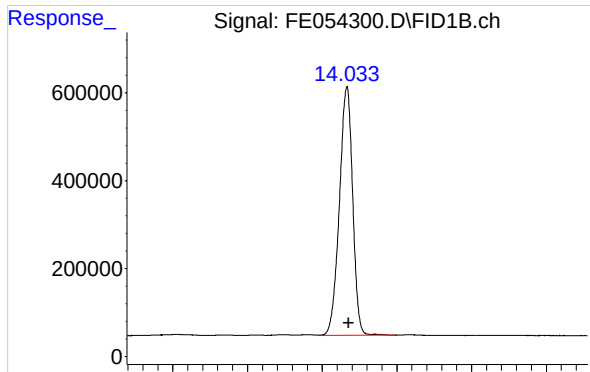
#11 n-Heneicosane (C21)

R.T.: 13.445 min
Delta R.T.: -0.003 min
Response: 7027216
Conc: 52.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.275 min
Delta R.T.: -0.005 min
Response: 4434964
Conc: 36.37 ug/ml m



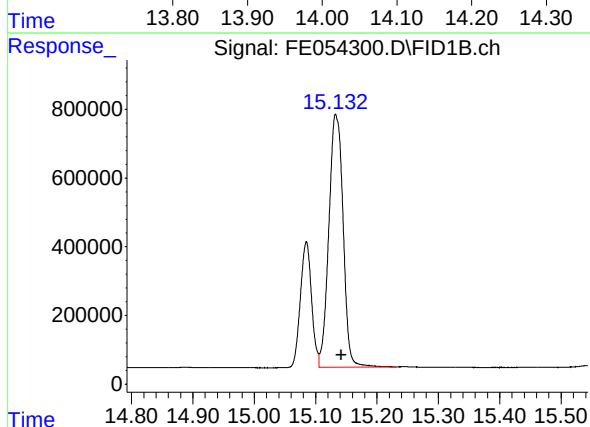
#13 n-Docosane (C22)

R.T.: 14.033 min
Delta R.T.: -0.003 min
Response: 6996843
Conc: 53.36 ug/ml

Instrument :
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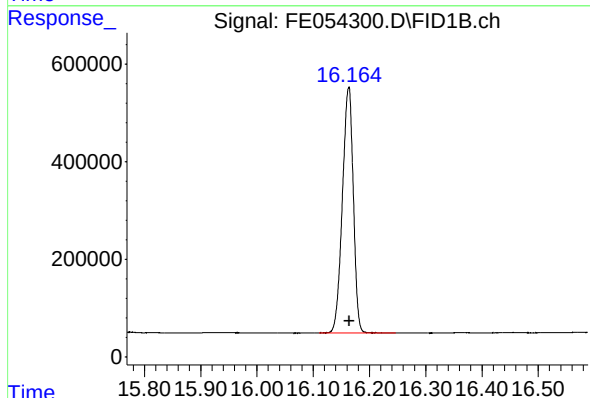
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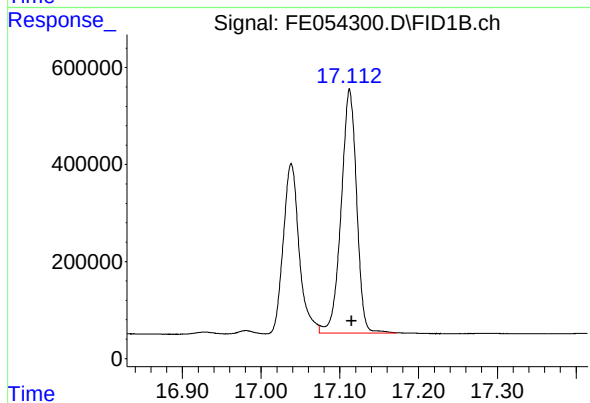
#14 n-Tetracosane (C24)

R.T.: 15.134 min
Delta R.T.: -0.008 min
Response: 11892234
Conc: 92.19 ug/ml



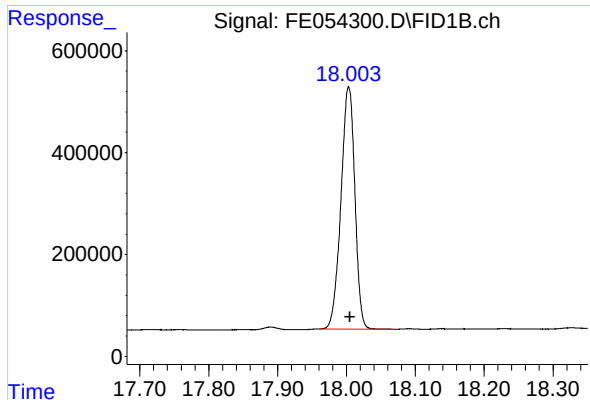
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.001 min
Response: 6794946
Conc: 54.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.112 min
Delta R.T.: -0.003 min
Response: 6866831
Conc: 56.00 ug/ml m



#17 n-Tricontane (C30)

R.T.: 18.003 min
Delta R.T.: -0.002 min
Response: 6685331
Conc: 53.94 ug/ml

Instrument :

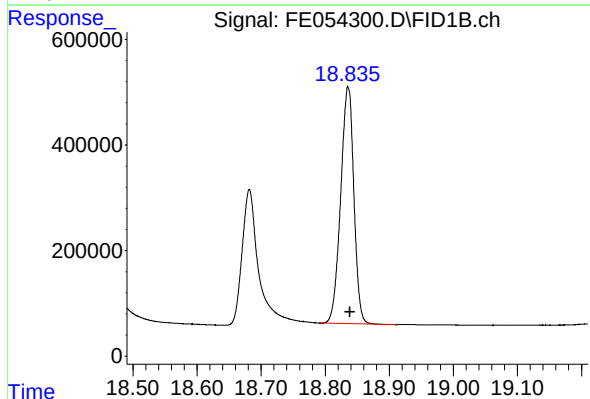
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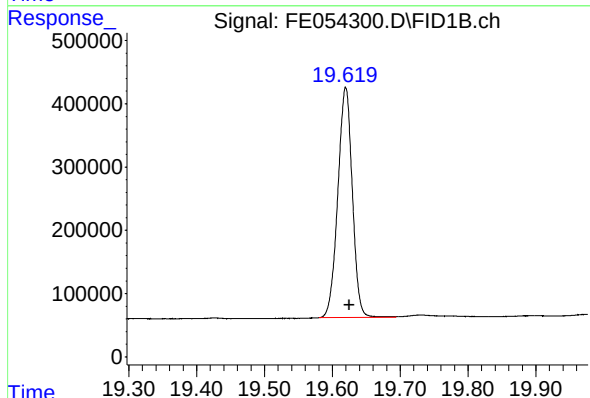
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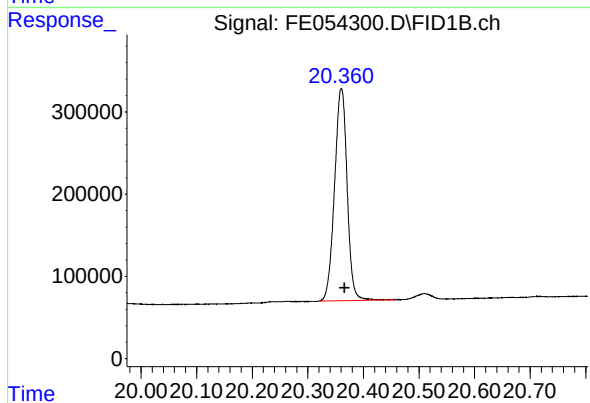
#18 n-Dotriacontane (C32)

R.T.: 18.836 min
Delta R.T.: -0.003 min
Response: 6383274
Conc: 50.80 ug/ml



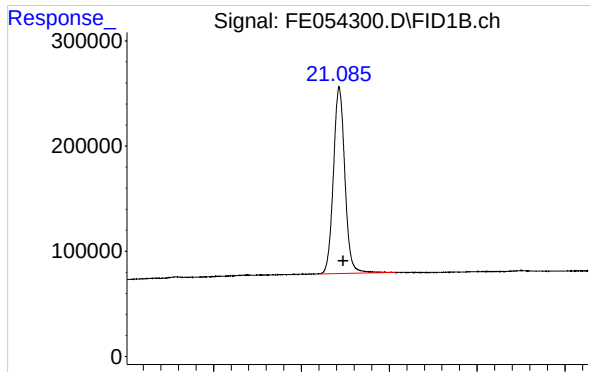
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.006 min
Response: 5404045
Conc: 43.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.006 min
Response: 4058391
Conc: 31.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: -0.010 min
Response: 3212197
Conc: 24.33 ug/ml

Instrument :

FID_E

ClientSampleId :

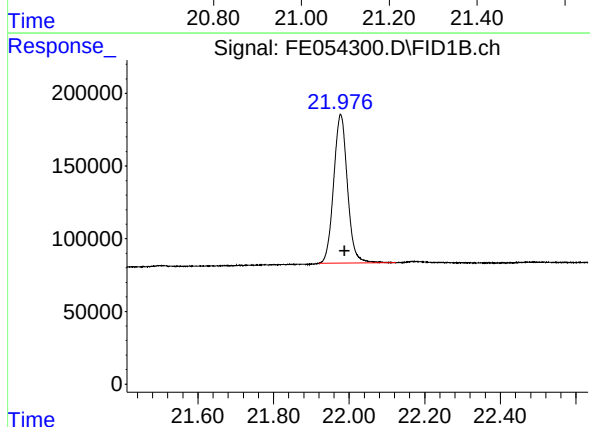
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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.011 min
Response: 2591192
Conc: 19.24 ug/ml