

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
 Data File : FE054490.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jun 2025 18:59
 Operator : YP\AJ
 Sample : Q2347-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP-10MS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e

Quant Time: Jun 19 01:36:44 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)	11.824	6101299	36.925 ug/ml
Spiked Amount 50.000		Recovery =	73.85%
12) S 1-chlorooctadecane (S...	13.268	4917618	40.325 ug/mlm
Spiked Amount 50.000		Recovery =	80.65%
Target Compounds			
1) T n-Nonane (C9)	3.174	3747257	30.176 ug/ml
2) T n-Decane (C10)	4.436	4056828	32.650 ug/ml
3) T A~Naphthalene (C11.7)	6.149	5255864	38.892 ug/ml
4) T n-Dodecane (C12)	6.617	4475984	35.152 ug/ml
5) T A~2-methylnaphthalene...	7.252	4976543	37.572 ug/ml
6) T n-Tetradecane (C14)	8.453	4917013	37.980 ug/ml
7) T n-Hexadecane (C16)	10.064	5381168	40.509 ug/mlm
8) T n-Octadecane (C18)	11.511	5611420	41.556 ug/ml
10) T n-Eicosane (C20)	12.824	5860823	43.810 ug/ml
11) T n-Heneicosane (C21)	13.436	5605780	42.159 ug/ml
13) T n-Docosane (C22)	14.024	5564056	42.434 ug/ml
14) T n-Tetracosane (C24)	15.125	12055015	93.454 ug/ml
15) T n-Hexacosane (C26)	16.153	5350600	42.624 ug/ml
16) T n-Octacosane (C28)	17.104	5563790	45.370 ug/mlm
17) T n-Tricontane (C30)	17.995	5266068	42.488 ug/ml
18) T n-Dotriacontane (C32)	18.827	5300450	42.186 ug/ml
19) T n-Tetratriacontane (C34)	19.612	5429588	43.644 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	5522392	42.899 ug/ml
21) T n-Octatriacontane (C38)	21.080	5740269	43.473 ug/ml
22) T n-Tetracontane (C40)	21.966	5682754	42.186 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 20 Sample Multiplier: 1

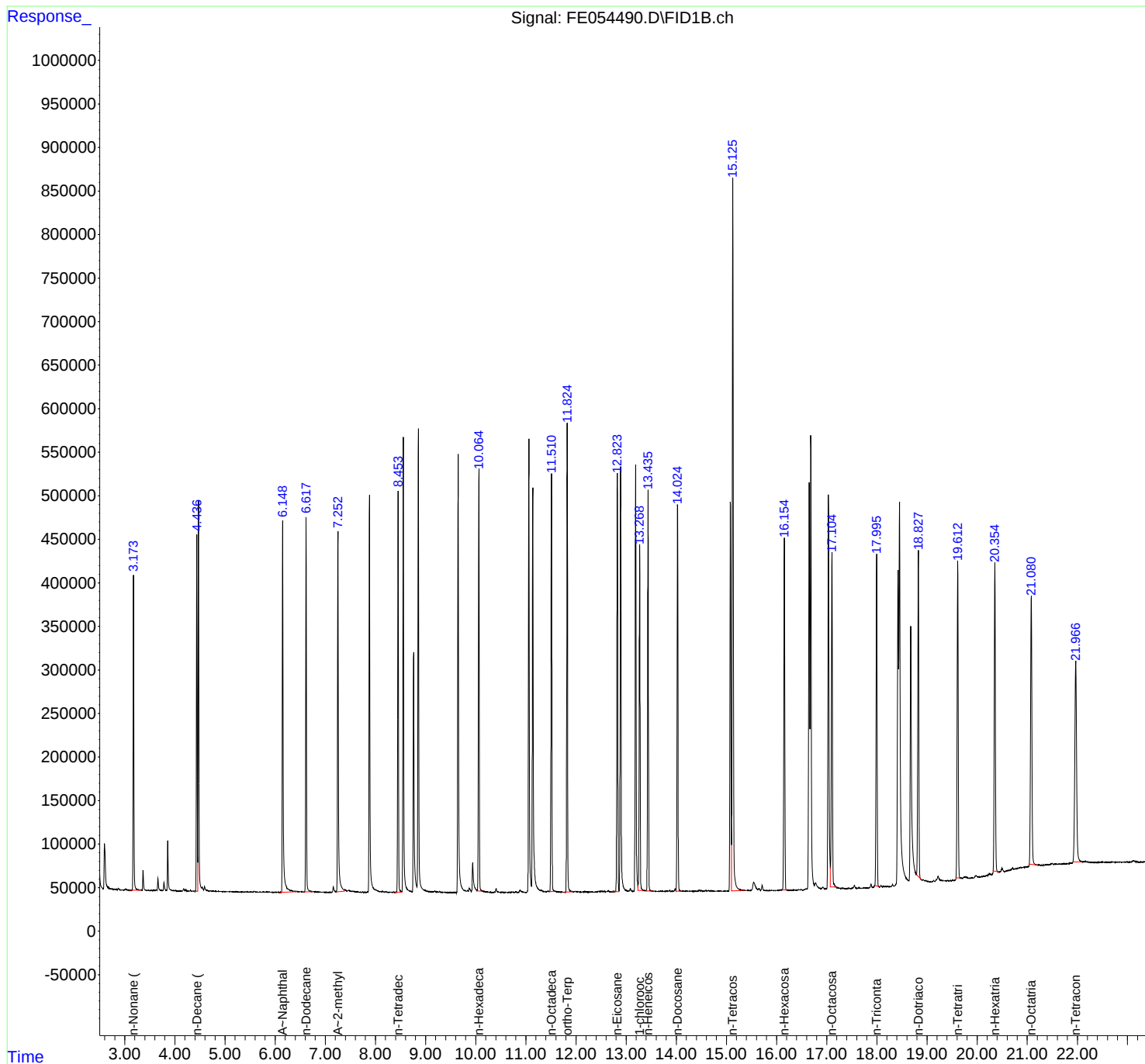
Instrument :
FID_E
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TP-10MS

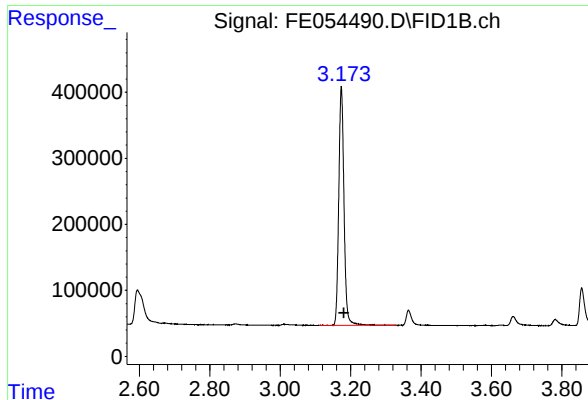
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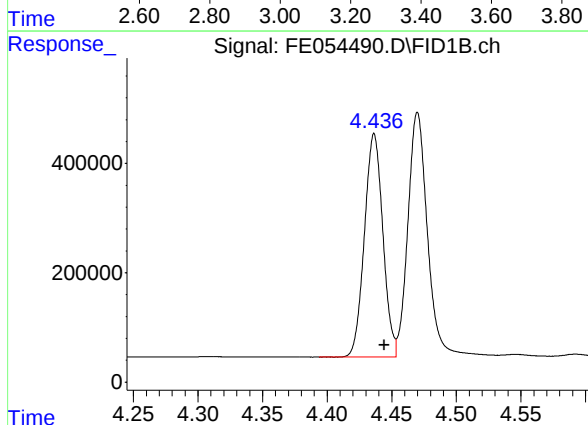
#1 n-Nonane (C9)

R.T.: 3.174 min
Delta R.T.: -0.007 min
Response: 3747257
Conc: 30.18 ug/ml

Instrument :
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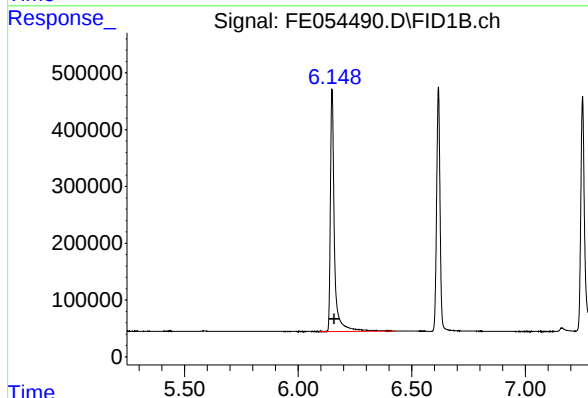
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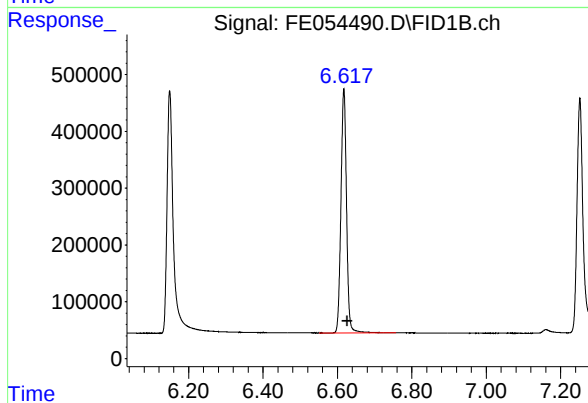
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.008 min
Response: 4056828
Conc: 32.65 ug/ml



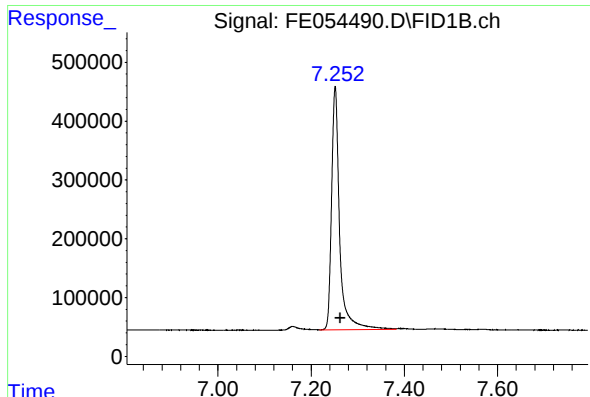
#3 A~Naphthalene (C11.7)

R.T.: 6.149 min
Delta R.T.: -0.011 min
Response: 5255864
Conc: 38.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 4475984
Conc: 35.15 ug/ml



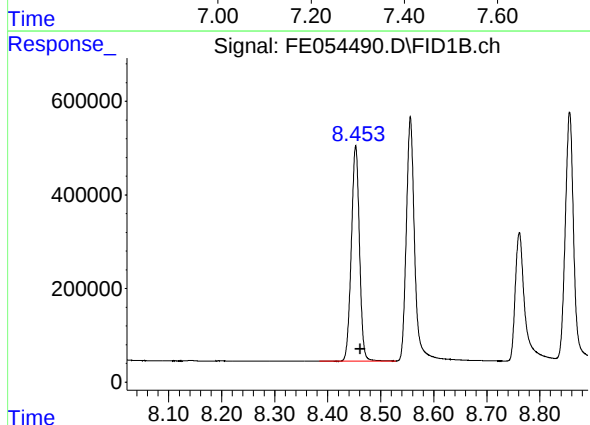
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.252 min
Delta R.T.: -0.011 min
Response: 4976543
Conc: 37.57 ug/ml

Instrument :
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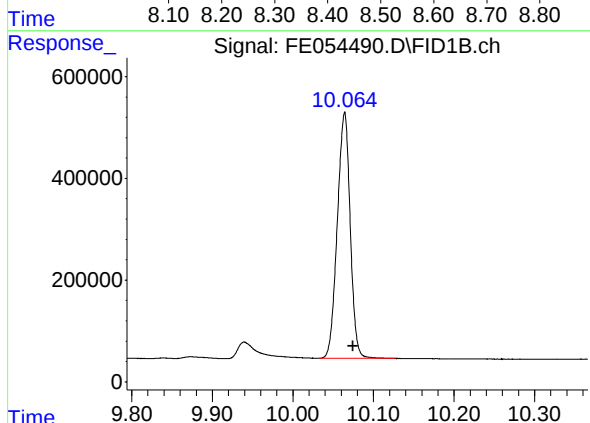
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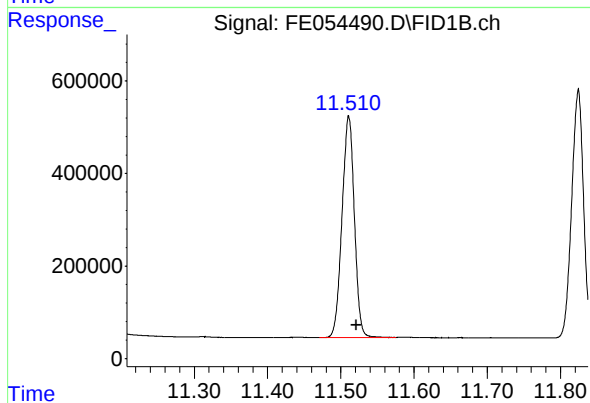
#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.009 min
Response: 4917013
Conc: 37.98 ug/ml



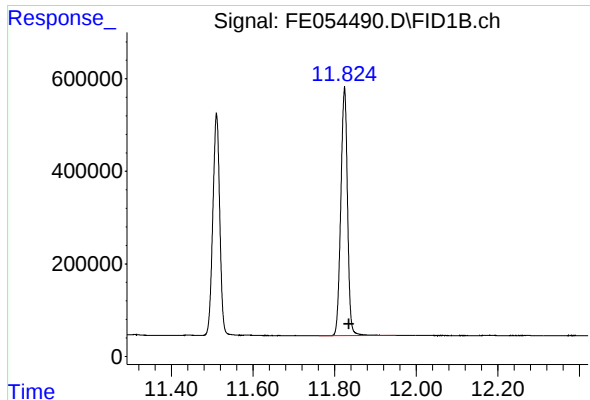
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 5381168
Conc: 40.51 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 5611420
Conc: 41.56 ug/ml



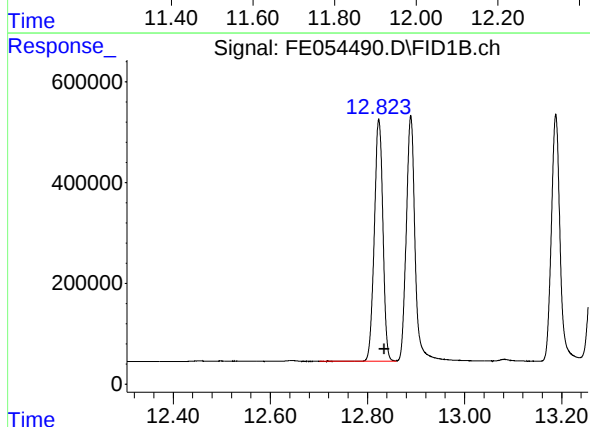
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 6101299
Conc: 36.92 ug/ml

Instrument :
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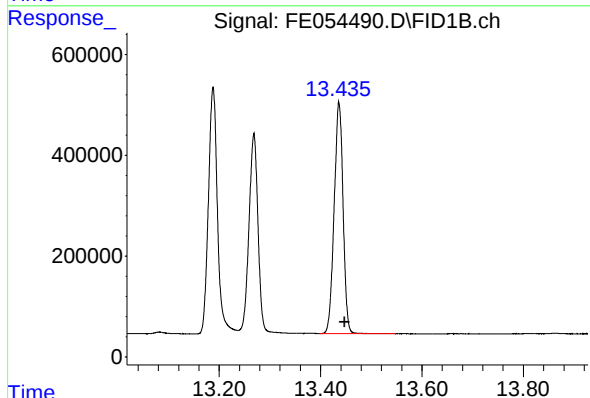
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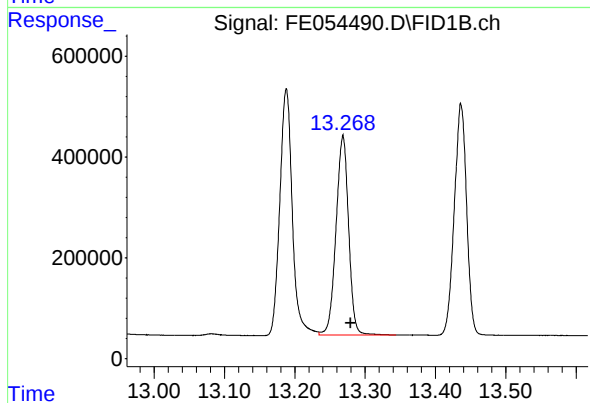
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 5860823
Conc: 43.81 ug/ml



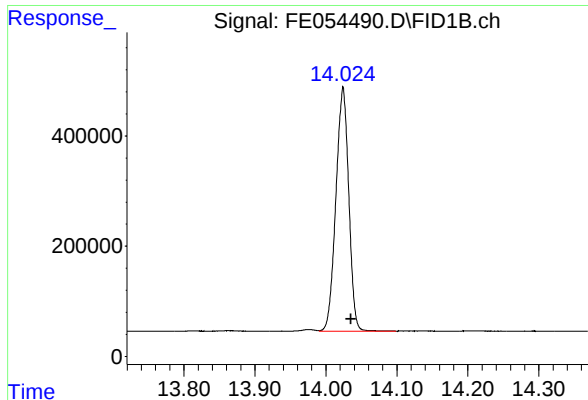
#11 n-Heneicosane (C21)

R.T.: 13.436 min
Delta R.T.: -0.011 min
Response: 5605780
Conc: 42.16 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.011 min
Response: 4917618
Conc: 40.33 ug/ml m



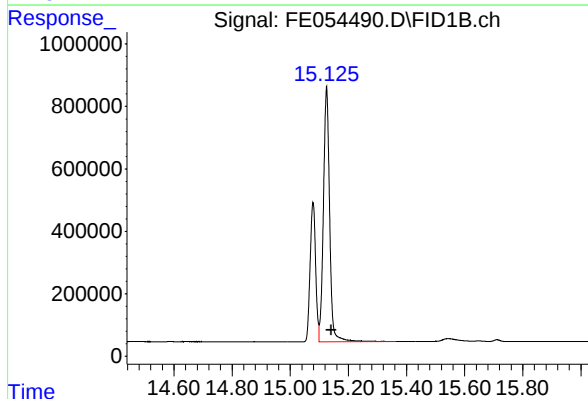
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 5564056
Conc: 42.43 ug/ml

Instrument :
FID_E
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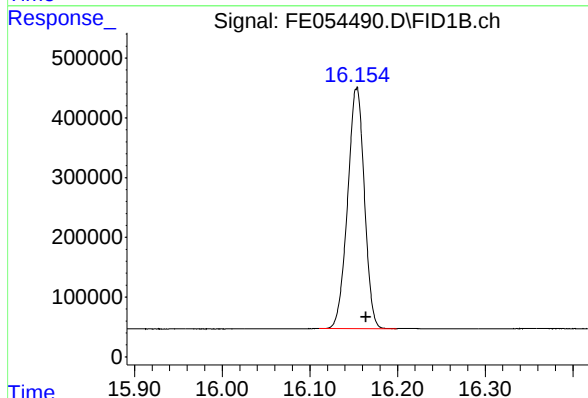
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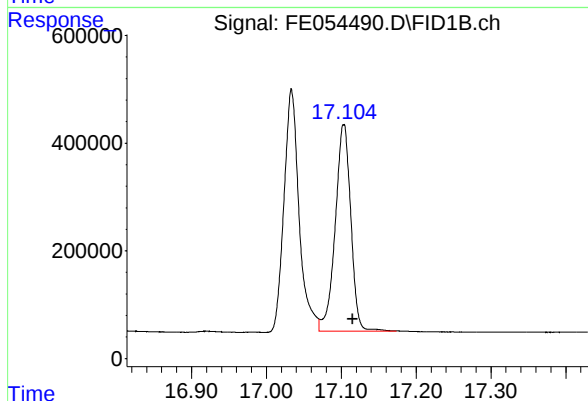
#14 n-Tetracosane (C24)

R.T.: 15.125 min
Delta R.T.: -0.016 min
Response: 12055015
Conc: 93.45 ug/ml



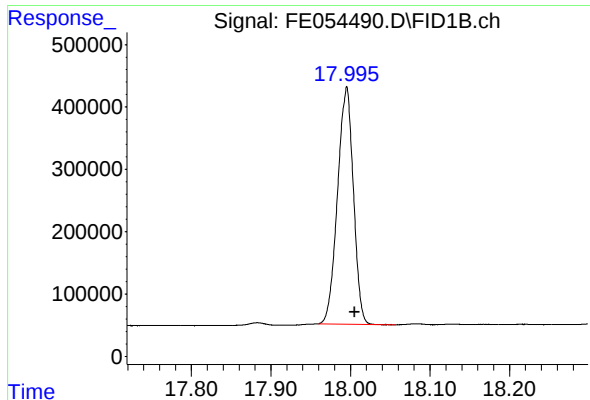
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.011 min
Response: 5350600
Conc: 42.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 5563790
Conc: 45.37 ug/ml m



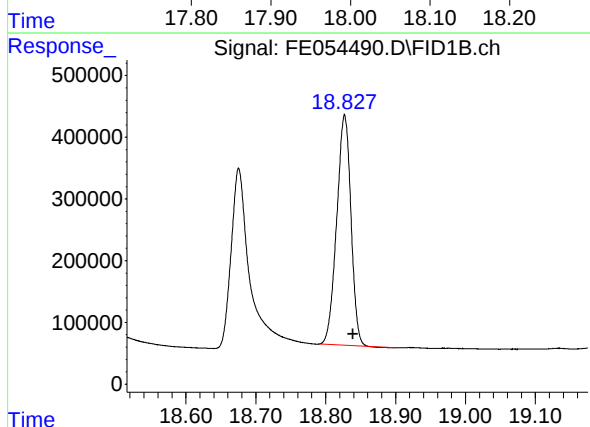
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.010 min
Response: 5266068
Conc: 42.49 ug/ml

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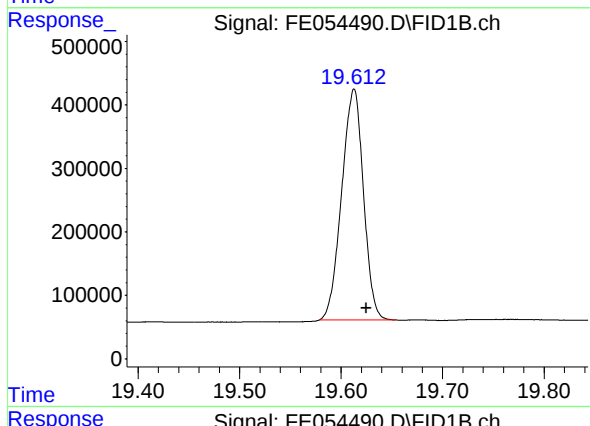
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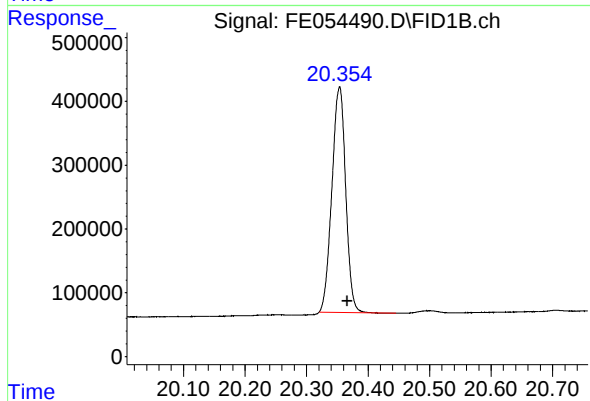
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 5300450
Conc: 42.19 ug/ml



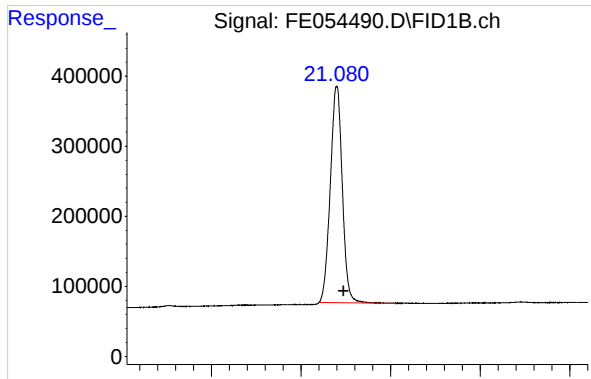
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 5429588
Conc: 43.64 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 5522392
Conc: 42.90 ug/ml



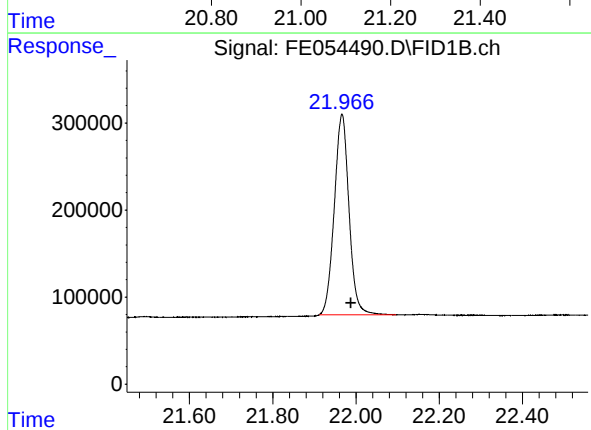
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.016 min
Response: 5740269
Conc: 43.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: -0.023 min
Response: 5682754
Conc: 42.19 ug/ml m