

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050725AL\
 Data File : FE053692.D
 Signal(s) : FID1B.ch
 Acq On : 07 May 2025 16:24
 Operator : YP\AJ
 Sample : PB167897BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB167897BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/08/2025

Supervised By :mohammad ahmed 05/09/2025

Integration File: autoint1.e

Quant Time: May 08 01:55:28 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)	11.867	6341391	35.159 ug/ml
Spiked Amount 50.000		Recovery =	70.32%
12) S 1-chlorooctadecane (S...	13.311	4989328	36.910 ug/ml
Spiked Amount 50.000		Recovery =	73.82%
Target Compounds			
1) T n-Nonane (C9)	3.220	6041200	44.063 ug/ml
2) T n-Decane (C10)	4.478	6316192	45.659 ug/ml
3) T A~Naphthalene (C11.7)	6.187	7299334	48.357 ug/ml
4) T n-Dodecane (C12)	6.655	6497911	46.331 ug/ml
5) T A~2-methylnaphthalene...	7.289	6617923	44.325 ug/ml
6) T n-Tetradecane (C14)	8.492	6617711	47.172 ug/ml
7) T n-Hexadecane (C16)	10.104	6537231	45.612 ug/ml
8) T n-Octadecane (C18)	11.552	6476654	44.442 ug/ml
10) T n-Eicosane (C20)	12.867	6583412	45.243 ug/ml
11) T n-Heneicosane (C21)	13.480	6266079	43.261 ug/ml
13) T n-Docosane (C22)	14.069	6198772	42.957 ug/mlm
14) T n-Tetracosane (C24)	15.167	12718297	88.543 ug/ml
15) T n-Hexacosane (C26)	16.199	6003795	42.391 ug/ml
16) T n-Octacosane (C28)	17.150	6199797	44.562 ug/ml
17) T n-Tricontane (C30)	18.041	5880274	42.245 ug/ml
18) T n-Dotriacontane (C32)	18.873	5780296	42.097 ug/ml
19) T n-Tetratriacontane (C34)	19.658	5822116	44.684 ug/ml
20) T n-Hexatriacontane (C36)	20.400	5609260	44.431 ug/ml
21) T n-Octatriacontane (C38)	21.134	5764456	47.315 ug/ml
22) T n-Tetracontane (C40)	22.039	5990143	50.160 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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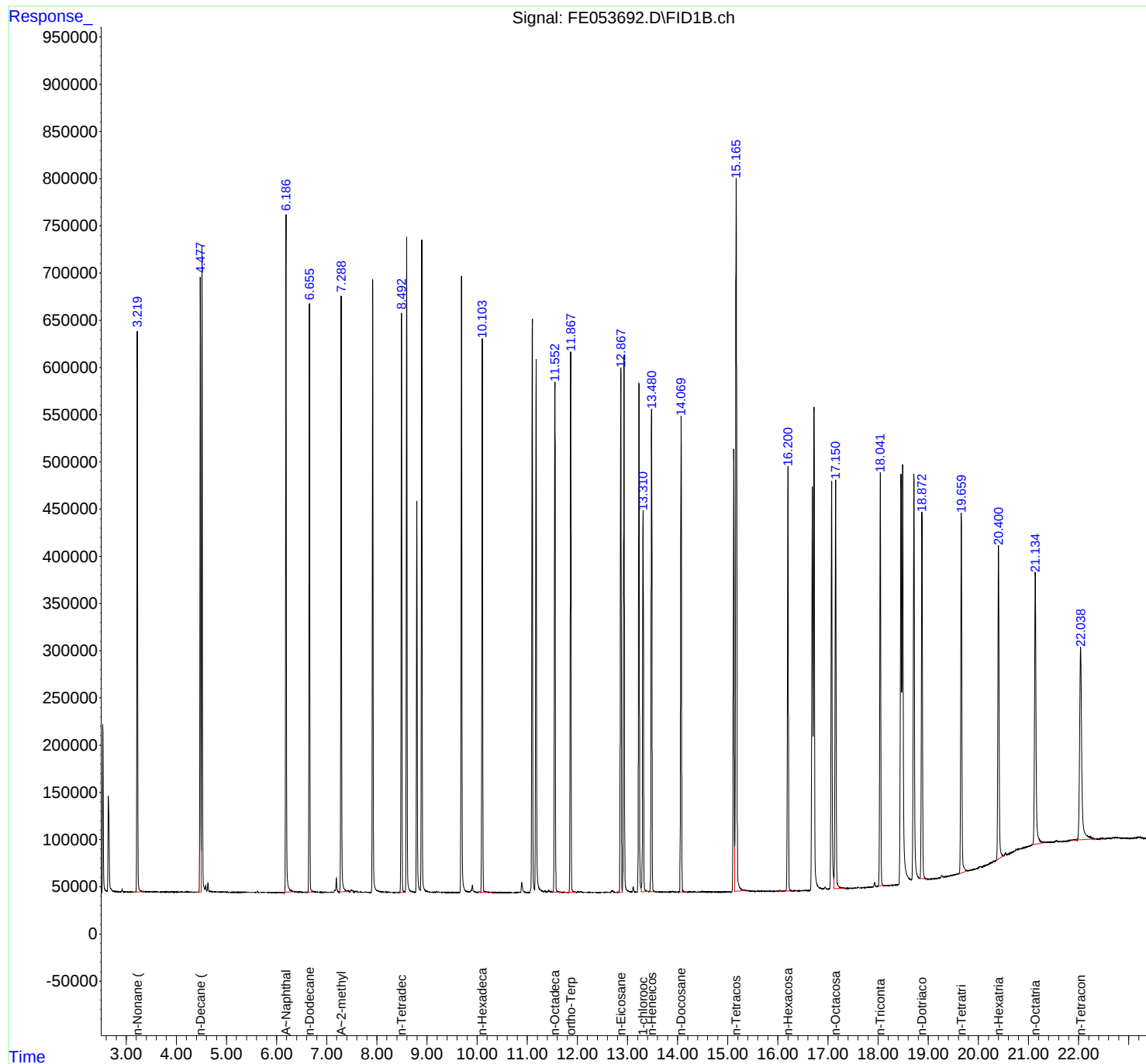
Response via : Initial Calibration

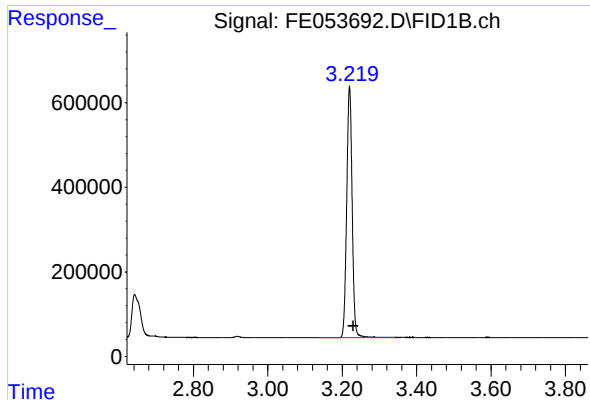
Integrator: ChemStation

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Signal Info : 20M x 0.18mm x 0.18um





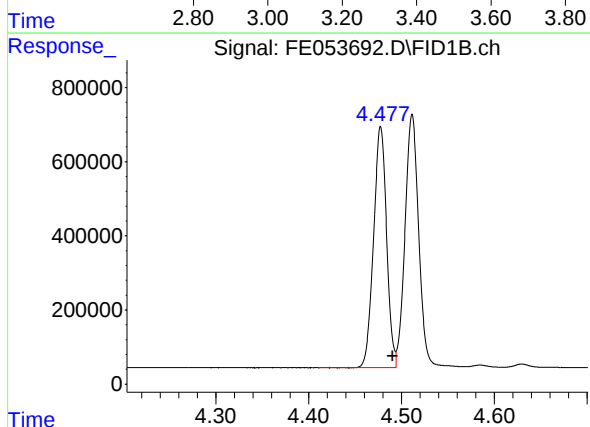
#1 n-Nonane (C9)

R.T.: 3.220 min
Delta R.T.: -0.010 min
Response: 6041200
Conc: 44.06 ug/ml

Instrument :
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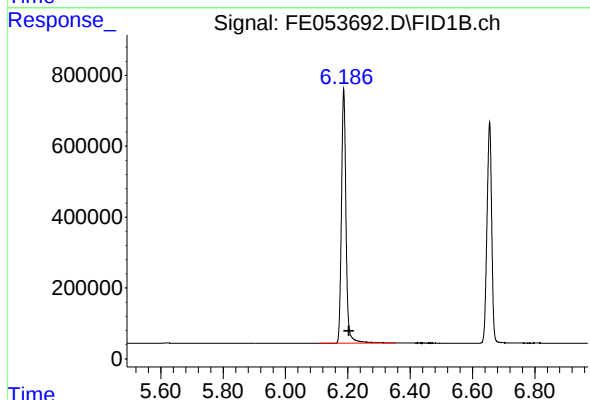
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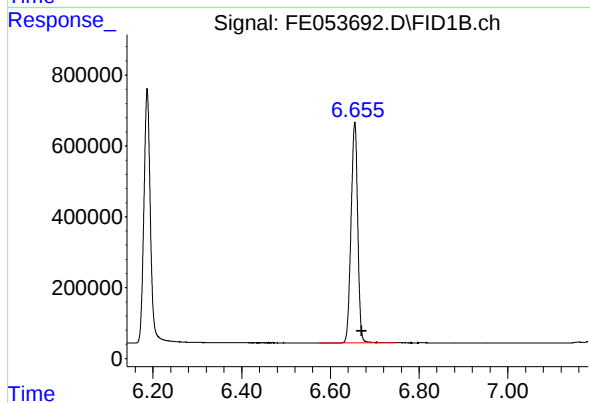
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.013 min
Response: 6316192
Conc: 45.66 ug/ml



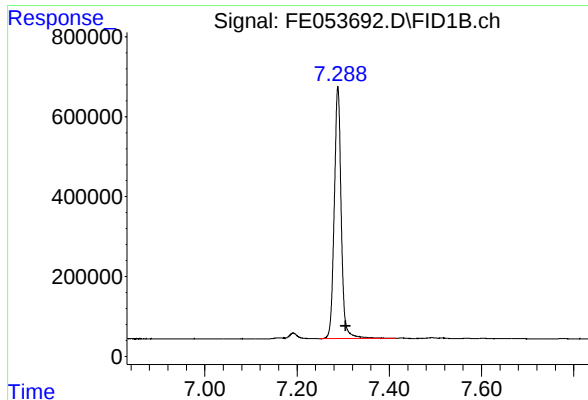
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.016 min
Response: 7299334
Conc: 48.36 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.655 min
Delta R.T.: -0.016 min
Response: 6497911
Conc: 46.33 ug/ml



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

R.T.: 7.289 min
Delta R.T.: -0.017 min
Response: 6617923
Conc: 44.33 ug/ml

Instrument :

FID_E

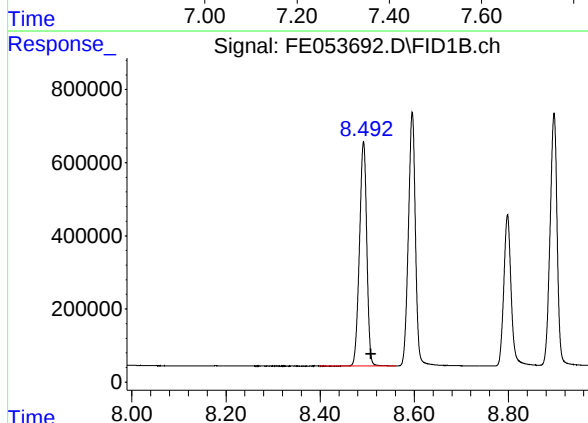
ClientSampleId :

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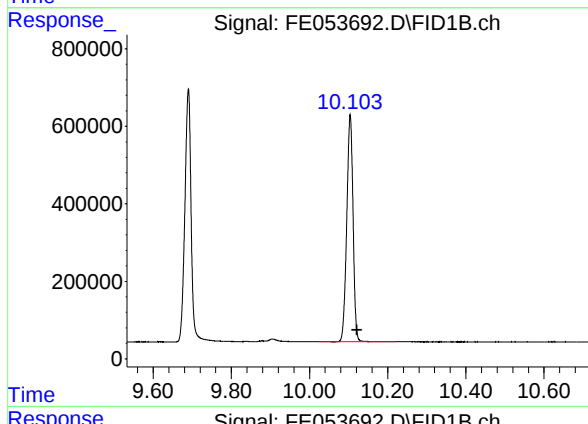
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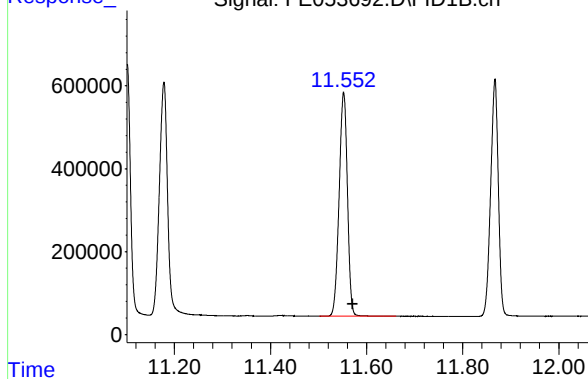
#6 n-Tetradecane (C14)

R.T.: 8.492 min
Delta R.T.: -0.016 min
Response: 6617711
Conc: 47.17 ug/ml



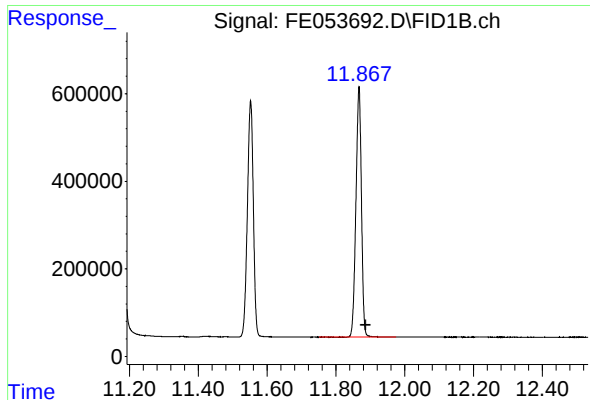
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.017 min
Response: 6537231
Conc: 45.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.019 min
Response: 6476654
Conc: 44.44 ug/ml



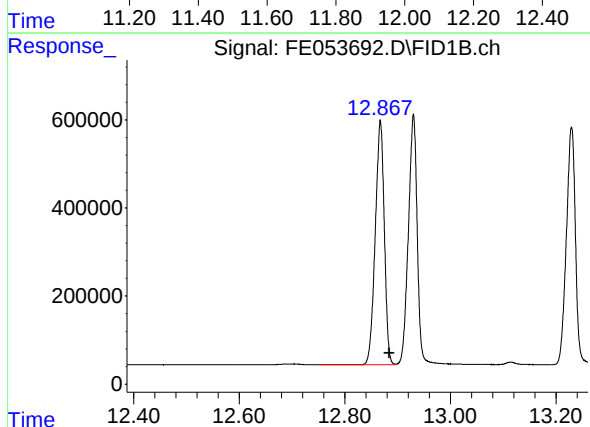
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.019 min
Response: 6341391
Conc: 35.16 ug/ml

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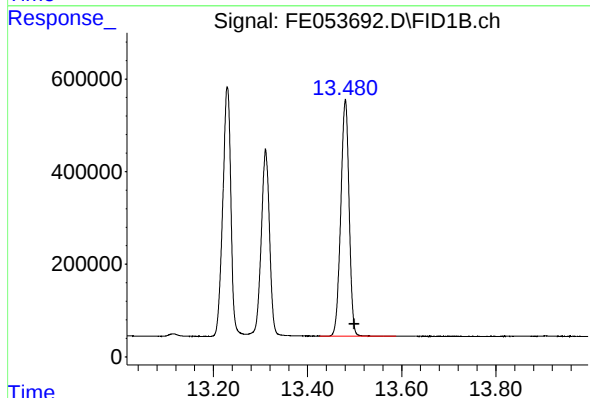
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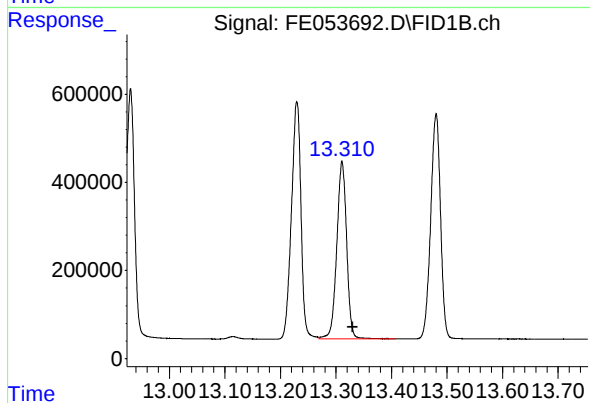
#10 n-Eicosane (C20)

R.T.: 12.867 min
Delta R.T.: -0.018 min
Response: 6583412
Conc: 45.24 ug/ml



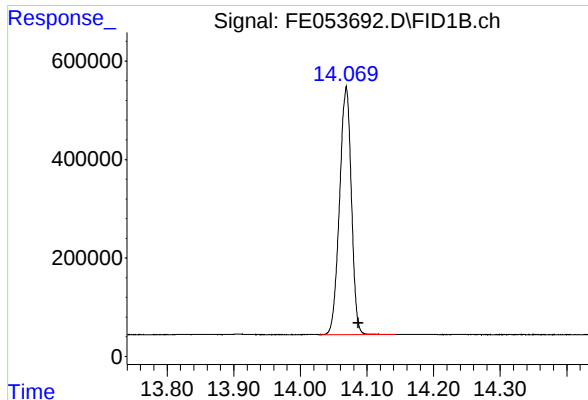
#11 n-Heneicosane (C21)

R.T.: 13.480 min
Delta R.T.: -0.019 min
Response: 6266079
Conc: 43.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: -0.019 min
Response: 4989328
Conc: 36.91 ug/ml



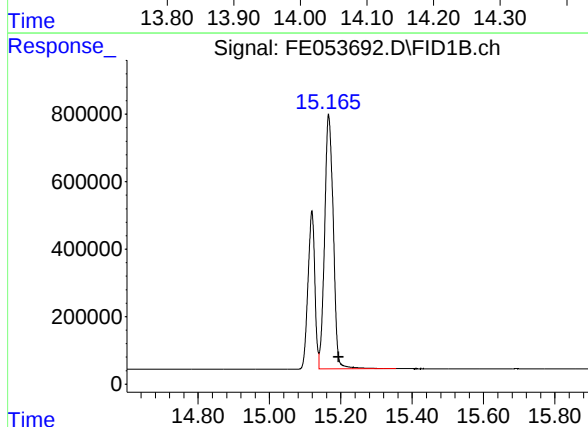
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.019 min
Response: 6198772
Conc: 42.96 ug/ml

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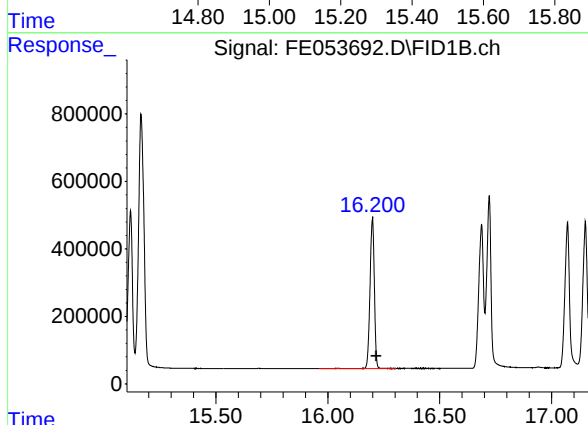
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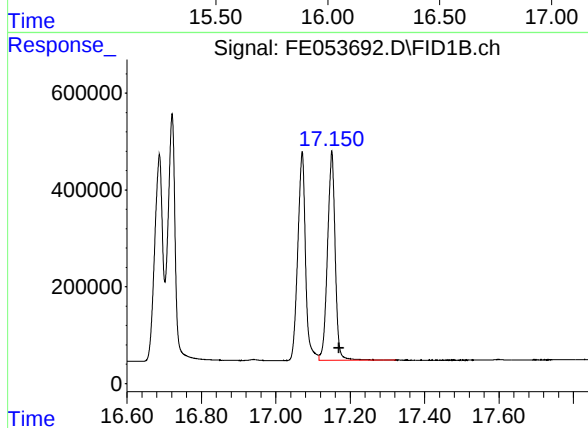
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: -0.027 min
Response: 12718297
Conc: 88.54 ug/ml



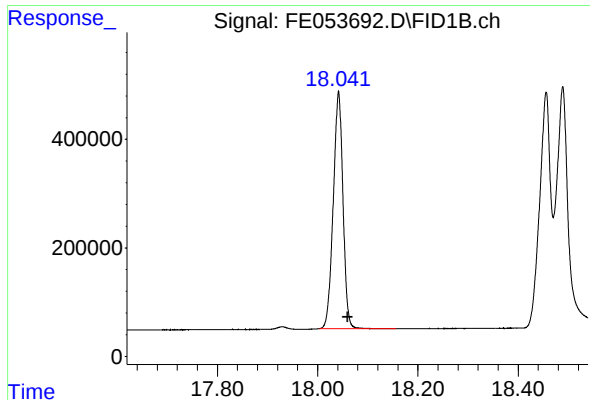
#15 n-Hexacosane (C26)

R.T.: 16.199 min
Delta R.T.: -0.019 min
Response: 6003795
Conc: 42.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min
Delta R.T.: -0.020 min
Response: 6199797
Conc: 44.56 ug/ml



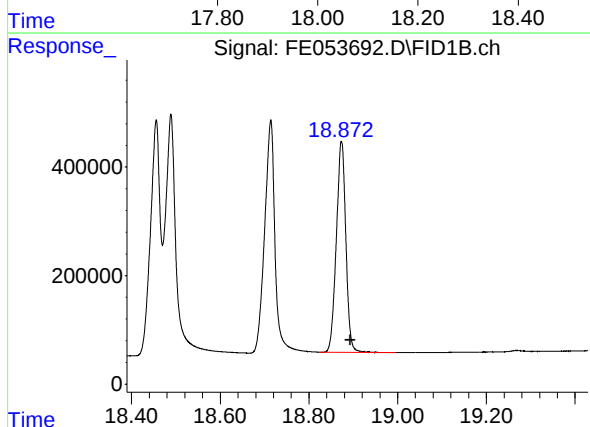
#17 n-Tricontane (C30)

R.T.: 18.041 min
Delta R.T.: -0.018 min
Response: 5880274
Conc: 42.24 ug/ml

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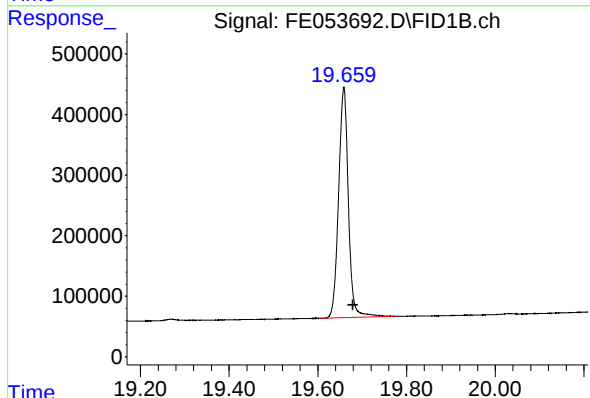
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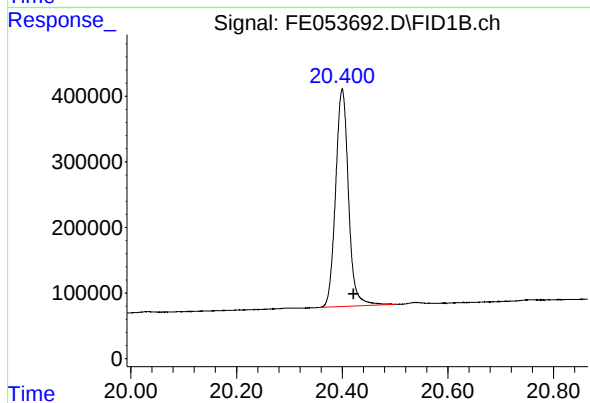
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: -0.020 min
Response: 5780296
Conc: 42.10 ug/ml



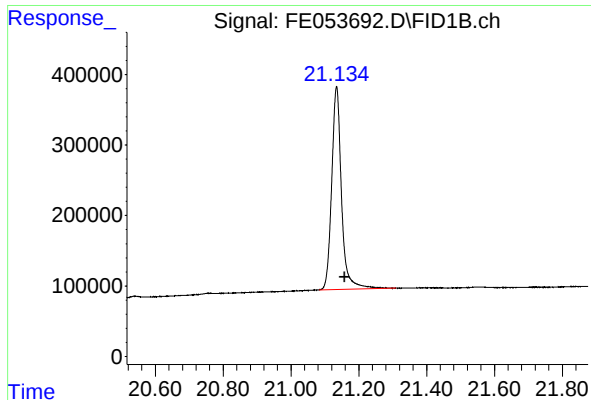
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.022 min
Response: 5822116
Conc: 44.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.022 min
Response: 5609260
Conc: 44.43 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.024 min
Response: 5764456
Conc: 47.32 ug/ml

Instrument :

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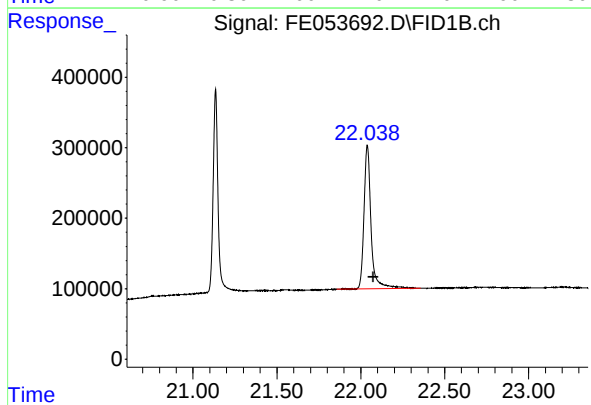
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#22 n-Tetracontane (C40)

R.T.: 22.039 min
Delta R.T.: -0.035 min
Response: 5990143
Conc: 50.16 ug/ml