

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041025AL\
 Data File : FE053296.D
 Signal(s) : FID1B.ch
 Acq On : 10 Apr 2025 07:00
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/11/2025
 Supervised By :mohammad ahmed 04/14/2025

Integration File: autoint1.e
 Quant Time: Apr 11 02:05:41 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)	11.885	3000366	18.420 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
12) S 1-chlorooctadecane (S...	13.329	2302630	19.181 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
Target Compounds			
1) T n-Nonane (C9)	3.233	2749571	17.758 ug/ml
2) T n-Decane (C10)	4.494	2913191	18.572 ug/ml
3) T A~Naphthalene (C11.7)	6.206	3080673	18.338 ug/ml
4) T n-Dodecane (C12)	6.674	2941085	18.805 ug/ml
5) T A~2-methylnaphthalene...	7.308	2951375	18.497 ug/ml
6) T n-Tetradecane (C14)	8.509	2907336	18.988 ug/ml
7) T n-Hexadecane (C16)	10.123	2958914	19.195 ug/ml
8) T n-Octadecane (C18)	11.570	2922985	19.273 ug/ml
10) T n-Eicosane (C20)	12.884	2747587	19.271 ug/ml
11) T n-Heneicosane (C21)	13.498	2643065	19.046 ug/ml
13) T n-Docosane (C22)	14.086	2671880	19.509 ug/ml
14) T n-Tetracosane (C24)	15.191	2801519	20.743 ug/ml
15) T n-Hexacosane (C26)	16.214	2834921	21.250 ug/ml
16) T n-Octacosane (C28)	17.166	2931097	22.211 ug/ml
17) T n-Tricontane (C30)	18.056	3057045	22.555 ug/ml
18) T n-Dotriacontane (C32)	18.889	2990925	22.227 ug/ml
19) T n-Tetratriacontane (C34)	19.674	2666637	20.608 ug/ml
20) T n-Hexatriacontane (C36)	20.415	2258981	19.017 ug/ml
21) T n-Octatriacontane (C38)	21.153	2005667	17.450 ug/ml
22) T n-Tetracontane (C40)	22.062	1839104	16.375 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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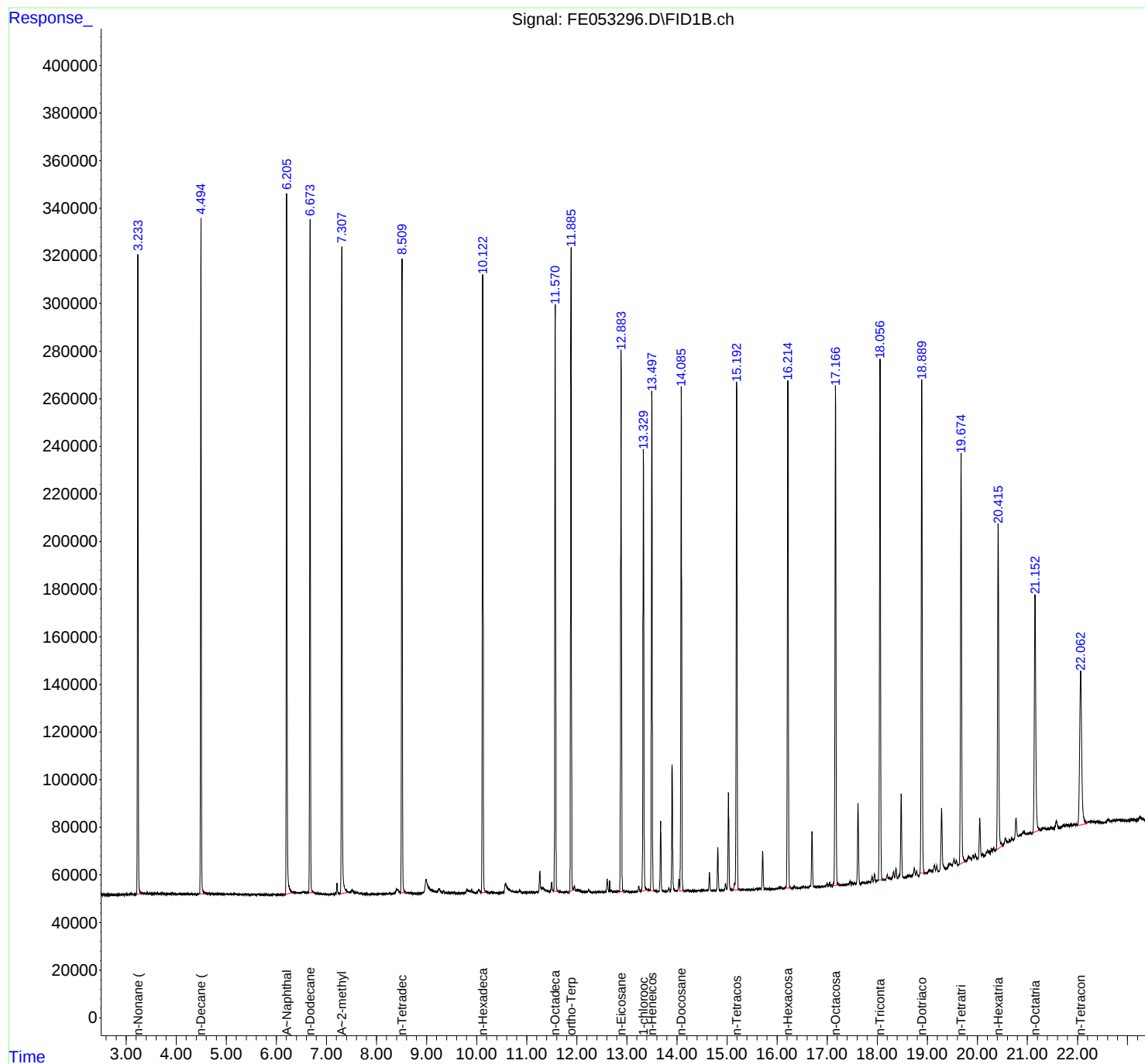
Instrument :
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20 PPM ALIPHATIC HC STD

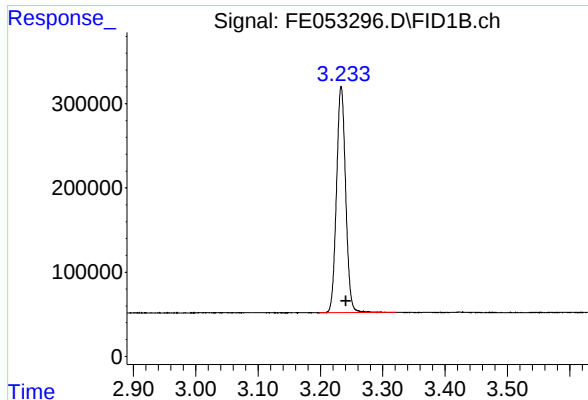
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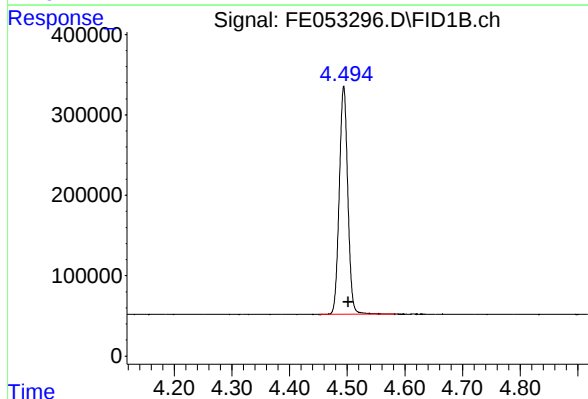
#1 n-Nonane (C9)

R.T.: 3.233 min
Delta R.T.: -0.008 min
Response: 2749571
Conc: 17.76 ug/ml

Instrument : FID_E
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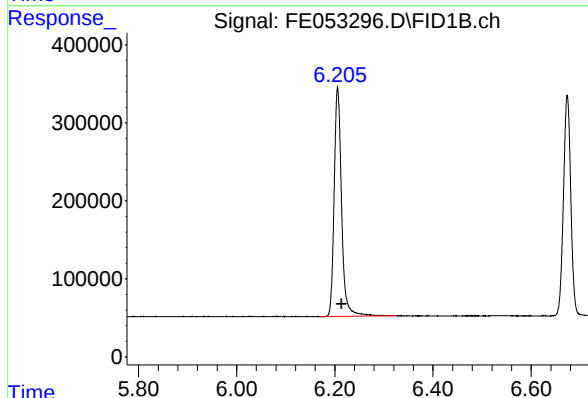
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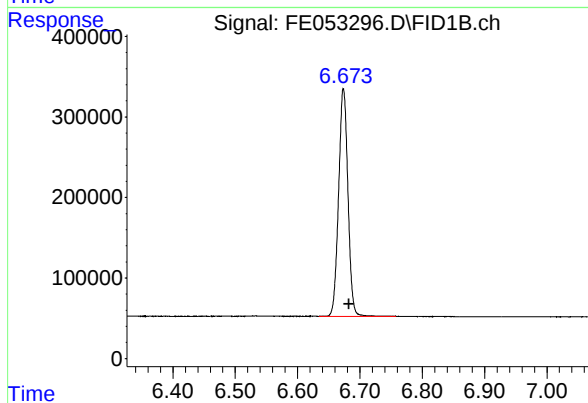
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.008 min
Response: 2913191
Conc: 18.57 ug/ml



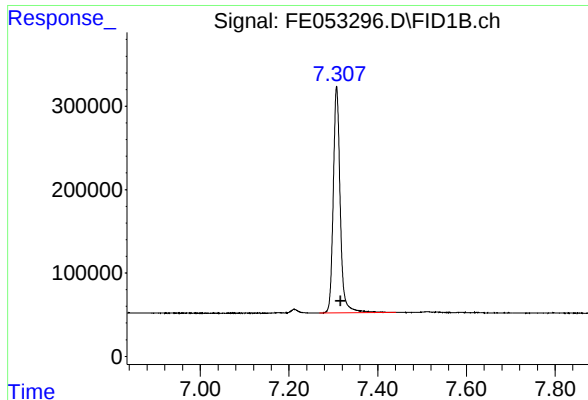
#3 A~Naphthalene (C11.7)

R.T.: 6.206 min
Delta R.T.: -0.008 min
Response: 3080673
Conc: 18.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.008 min
Response: 2941085
Conc: 18.81 ug/ml



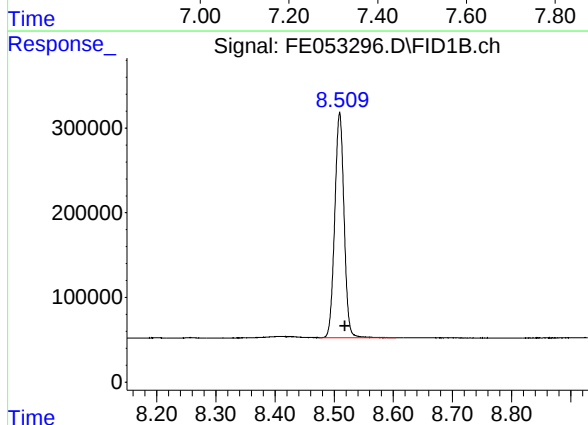
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.308 min
Delta R.T.: -0.009 min
Response: 2951375
Conc: 18.50 ug/ml

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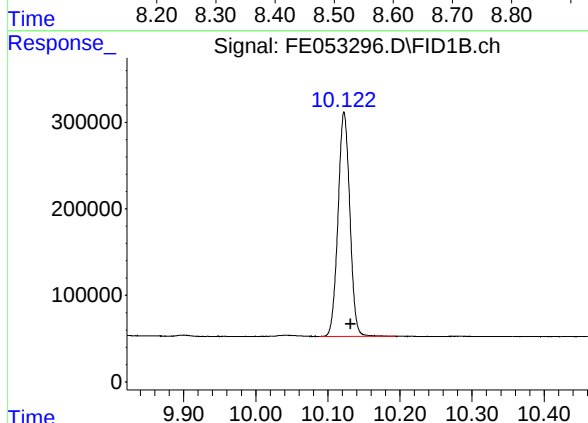
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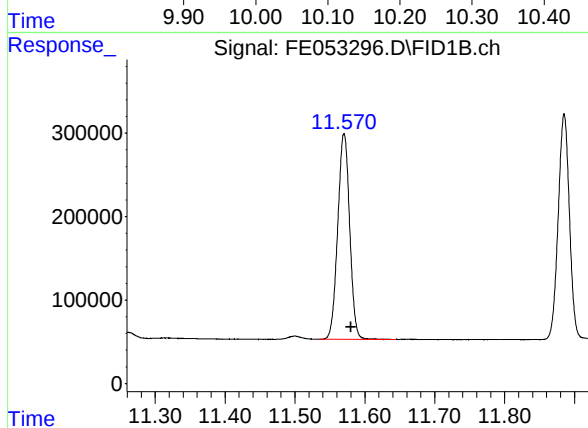
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 2907336
Conc: 18.99 ug/ml



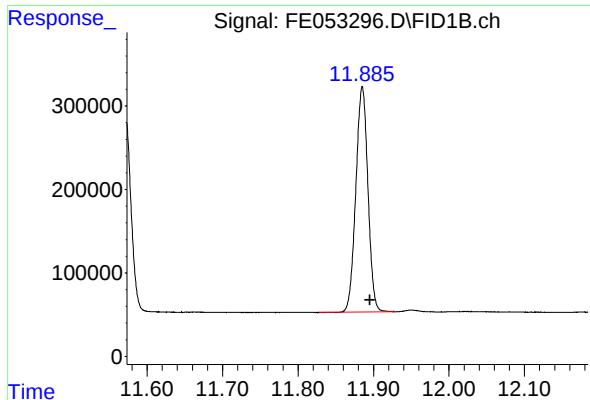
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: -0.009 min
Response: 2958914
Conc: 19.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: -0.010 min
Response: 2922985
Conc: 19.27 ug/ml



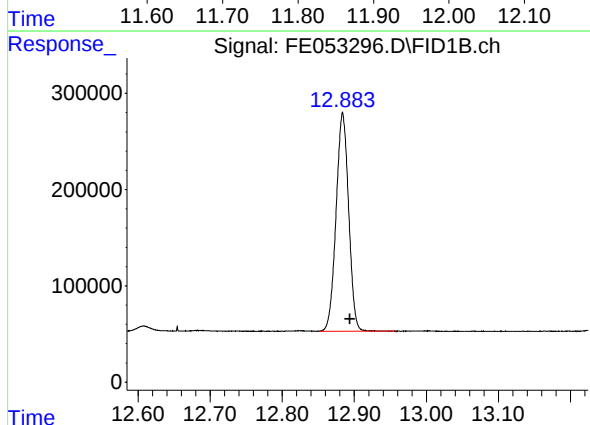
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: -0.010 min
Response: 3000366
Conc: 18.42 ug/ml

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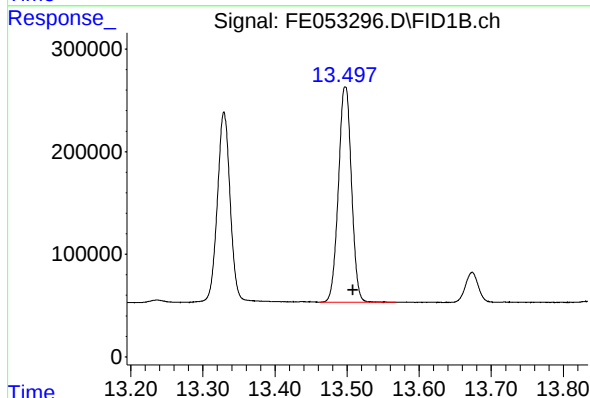
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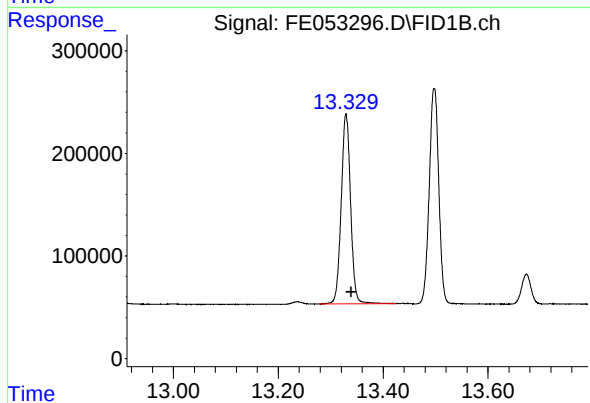
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: -0.010 min
Response: 2747587
Conc: 19.27 ug/ml



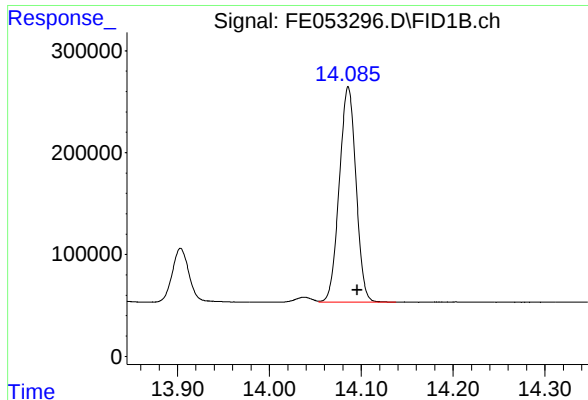
#11 n-Heneicosane (C21)

R.T.: 13.498 min
Delta R.T.: -0.011 min
Response: 2643065
Conc: 19.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.329 min
Delta R.T.: -0.010 min
Response: 2302630
Conc: 19.18 ug/ml



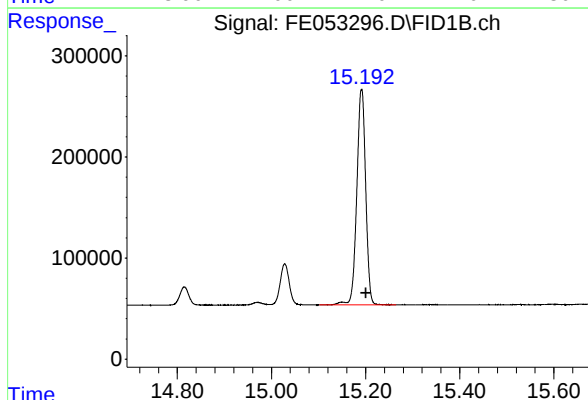
#13 n-Docosane (C22)

R.T.: 14.086 min
Delta R.T.: -0.010 min
Response: 2671880
Conc: 19.51 ug/ml

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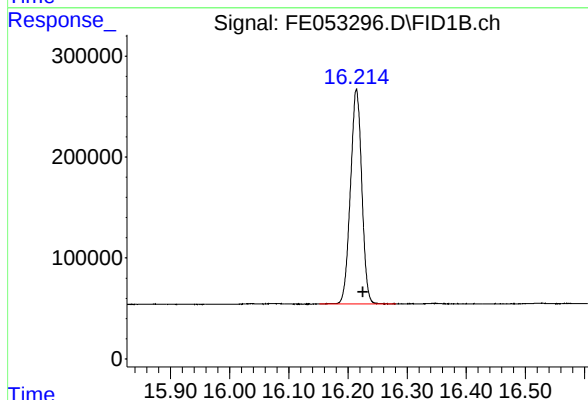
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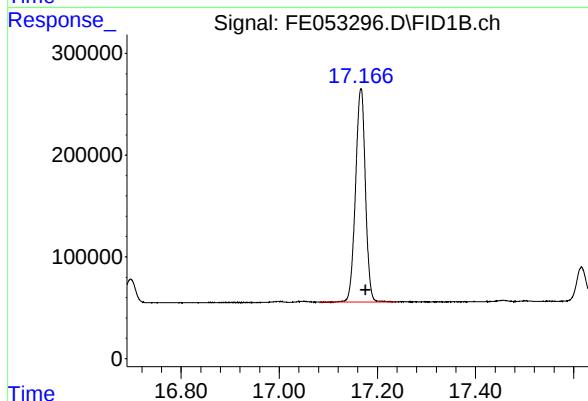
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: -0.010 min
Response: 2801519
Conc: 20.74 ug/ml



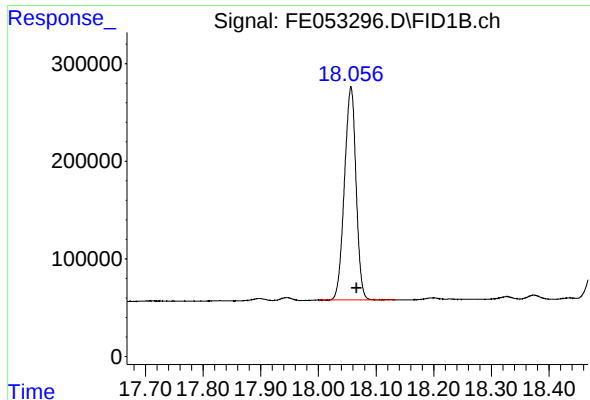
#15 n-Hexacosane (C26)

R.T.: 16.214 min
Delta R.T.: -0.011 min
Response: 2834921
Conc: 21.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.166 min
Delta R.T.: -0.010 min
Response: 2931097
Conc: 22.21 ug/ml



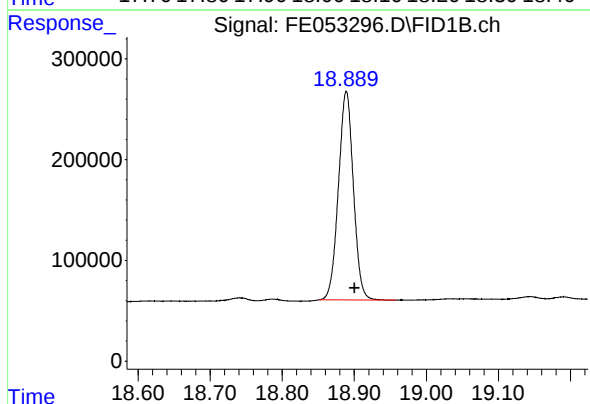
#17 n-Tricontane (C30)

R.T.: 18.056 min
Delta R.T.: -0.010 min
Response: 3057045
Conc: 22.55 ug/ml

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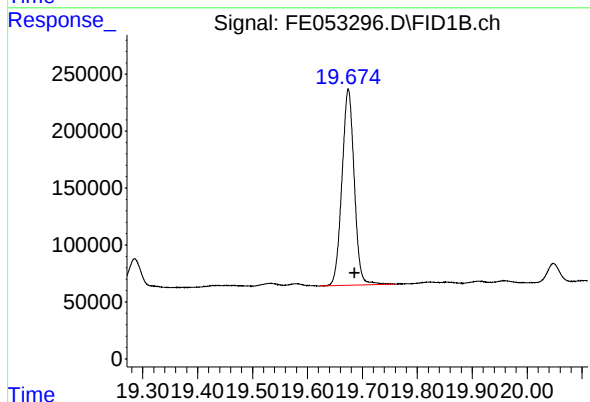
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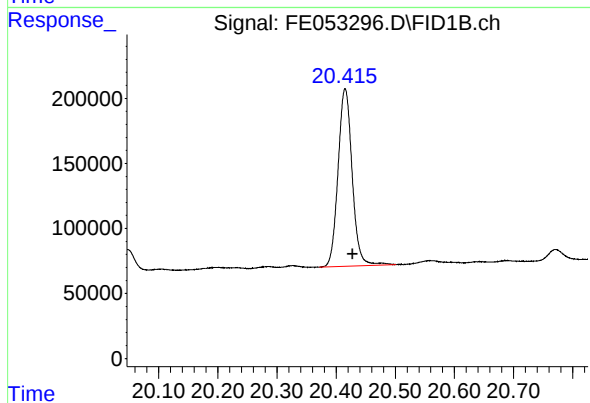
#18 n-Dotriacontane (C32)

R.T.: 18.889 min
Delta R.T.: -0.012 min
Response: 2990925
Conc: 22.23 ug/ml



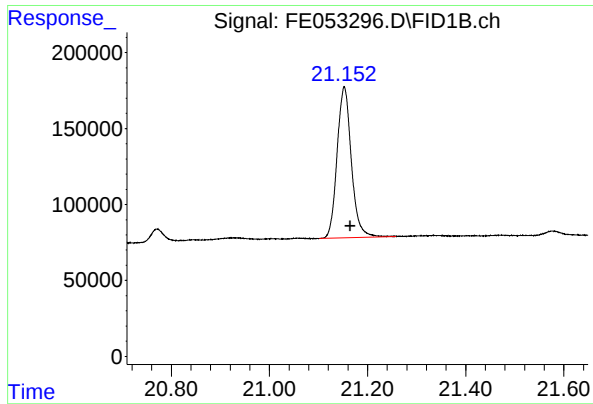
#19 n-Tetratriacontane (C34)

R.T.: 19.674 min
Delta R.T.: -0.011 min
Response: 2666637
Conc: 20.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.415 min
Delta R.T.: -0.012 min
Response: 2258981
Conc: 19.02 ug/ml



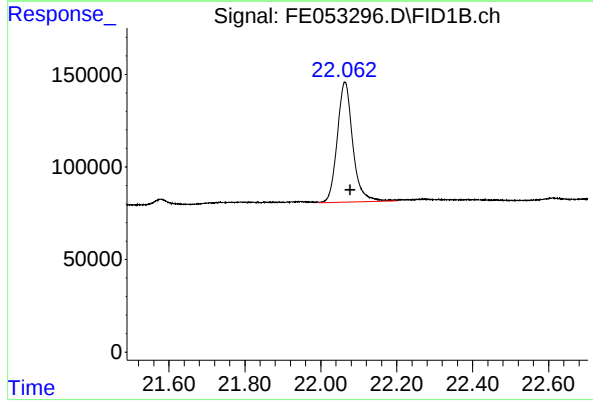
#21 n-Octatriacontane (C38)

R.T.: 21.153 min
Delta R.T.: -0.013 min
Response: 2005667
Conc: 17.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.062 min
Delta R.T.: -0.016 min
Response: 1839104
Conc: 16.37 ug/ml m