

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052125AL\
 Data File : FE053964.D
 Signal(s) : FID1B.ch
 Acq On : 22 May 2025 00:53
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e
 Quant Time: May 22 03:21:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.842	3024232	18.609 ug/ml
Spiked Amount 50.000		Recovery =	37.22%
12) S 1-chlorooctadecane (S...	13.287	2240334	18.898 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
Target Compounds			
1) T n-Nonane (C9)	3.194	2413646	17.859 ug/ml
2) T n-Decane (C10)	4.455	2446058	18.101 ug/ml
3) T A~Naphthalene (C11.7)	6.168	2614134	18.190 ug/ml
4) T n-Dodecane (C12)	6.635	2490541	18.258 ug/ml
5) T A~2-methylnaphthalene...	7.270	2576372	18.574 ug/ml
6) T n-Tetradecane (C14)	8.470	2482938	18.399 ug/ml
7) T n-Hexadecane (C16)	10.082	2511190	18.610 ug/ml
8) T n-Octadecane (C18)	11.529	2494522	18.525 ug/ml
10) T n-Eicosane (C20)	12.842	2459009	18.710 ug/ml
11) T n-Heneicosane (C21)	13.455	2428253	18.730 ug/ml
13) T n-Docosane (C22)	14.043	2410695	18.896 ug/ml
14) T n-Tetracosane (C24)	15.148	2373163	18.968 ug/ml
15) T n-Hexacosane (C26)	16.171	2331673	19.042 ug/ml
16) T n-Octacosane (C28)	17.122	2325352	19.129 ug/ml
17) T n-Tricontane (C30)	18.012	2415185	19.389 ug/ml
18) T n-Dotriacontane (C32)	18.845	2447322	19.570 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2339516	19.640 ug/ml
20) T n-Hexatriacontane (C36)	20.372	2339414	20.204 ug/ml
21) T n-Octatriacontane (C38)	21.102	2234464	20.533 ug/ml
22) T n-Tetracontane (C40)	21.995	2226753	22.440 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

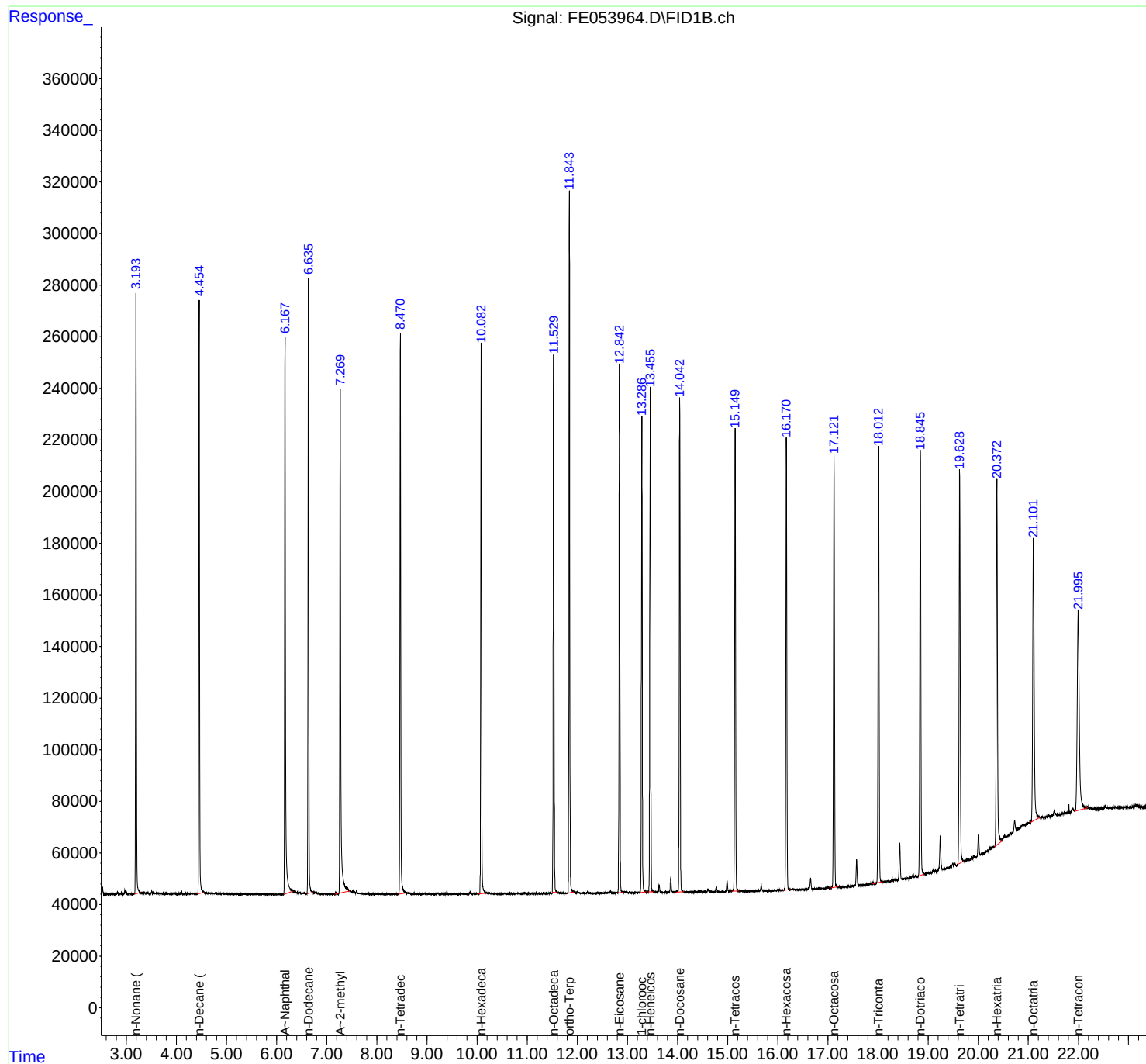
Instrument :
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20 PPM ALIPHATIC HC STD

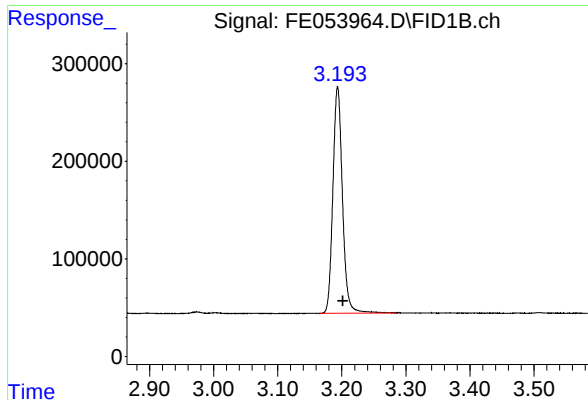
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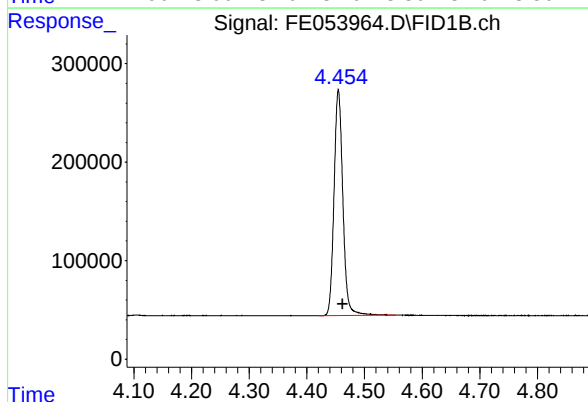
#1 n-Nonane (C9)

R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2413646
Conc: 17.86 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

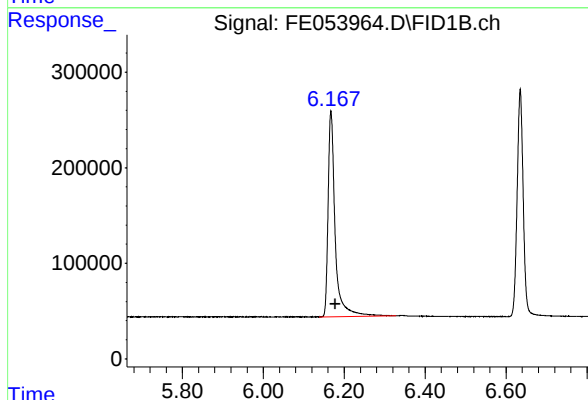
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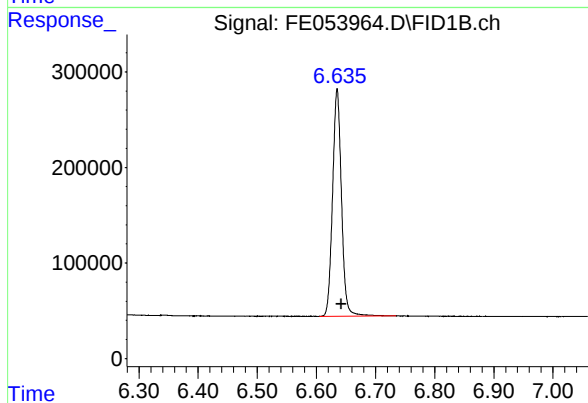
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.008 min
Response: 2446058
Conc: 18.10 ug/ml



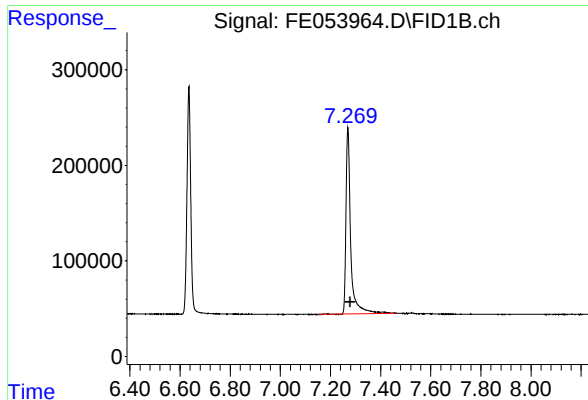
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 2614134
Conc: 18.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.007 min
Response: 2490541
Conc: 18.26 ug/ml



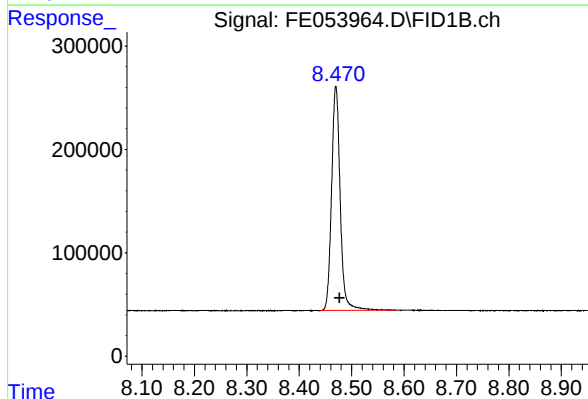
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.270 min
Delta R.T.: -0.011 min
Response: 2576372
Conc: 18.57 ug/ml

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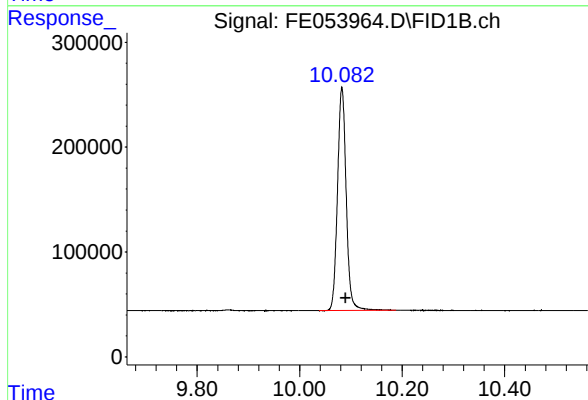
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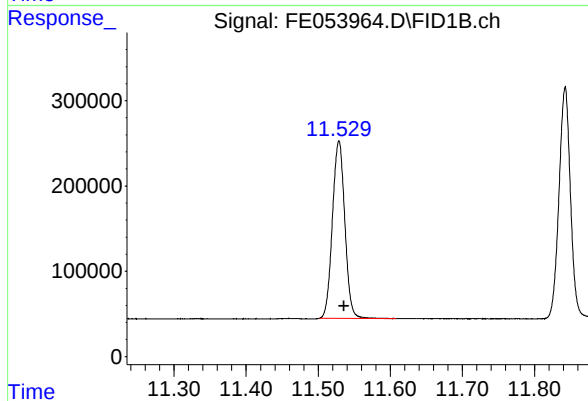
#6 n-Tetradecane (C14)

R.T.: 8.470 min
Delta R.T.: -0.007 min
Response: 2482938
Conc: 18.40 ug/ml



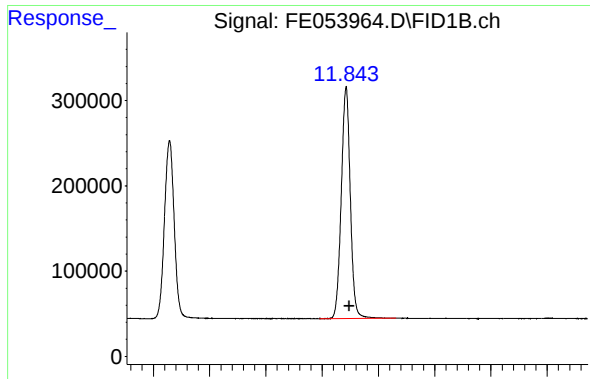
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.007 min
Response: 2511190
Conc: 18.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: -0.007 min
Response: 2494522
Conc: 18.52 ug/ml



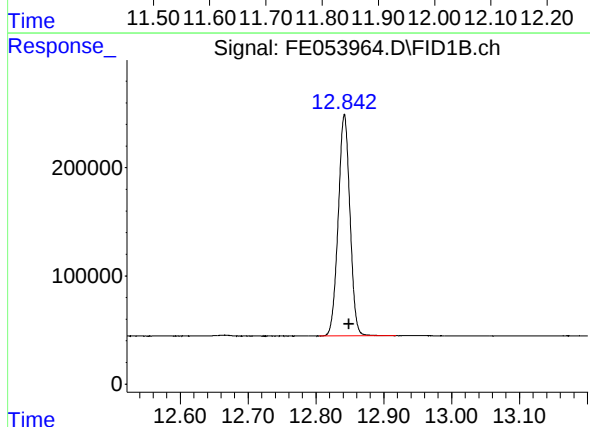
#9 ortho-Terphenyl (SURR)

R.T.: 11.842 min
Delta R.T.: -0.006 min
Response: 3024232
Conc: 18.61 ug/ml

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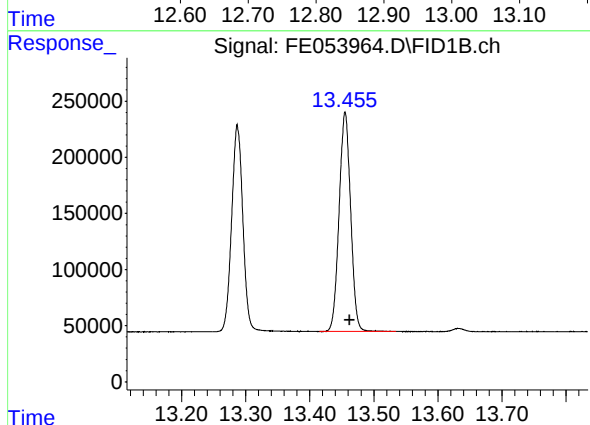
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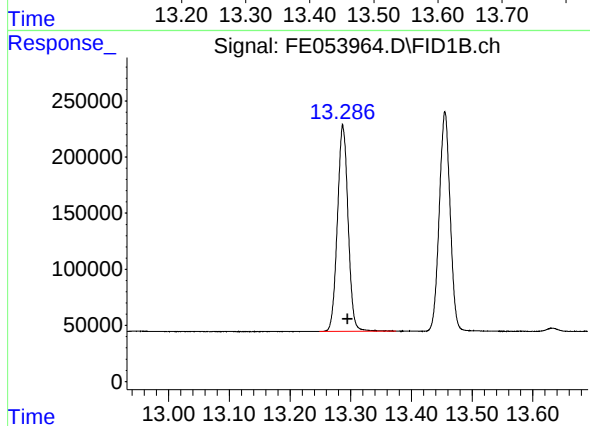
#10 n-Eicosane (C20)

R.T.: 12.842 min
Delta R.T.: -0.007 min
Response: 2459009
Conc: 18.71 ug/ml



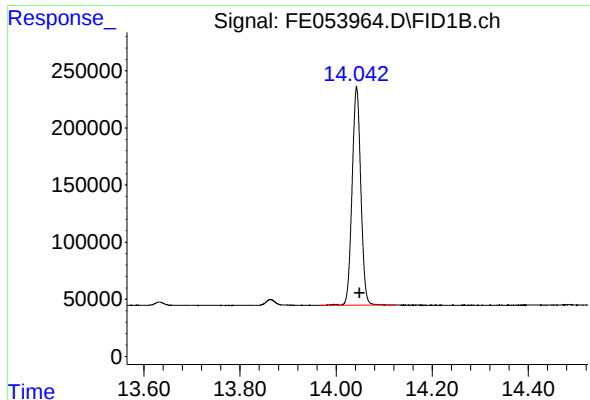
#11 n-Heneicosane (C21)

R.T.: 13.455 min
Delta R.T.: -0.007 min
Response: 2428253
Conc: 18.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: -0.007 min
Response: 2240334
Conc: 18.90 ug/ml



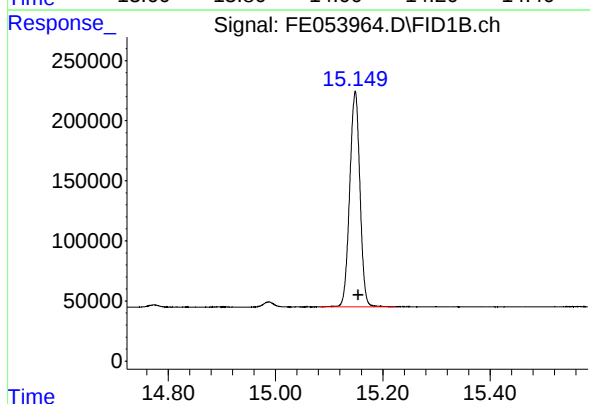
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.007 min
Response: 2410695
Conc: 18.90 ug/ml

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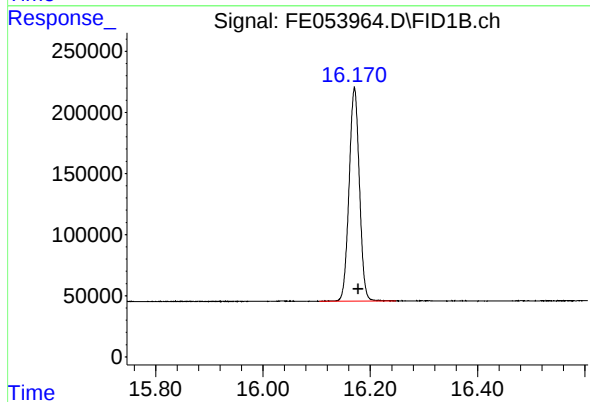
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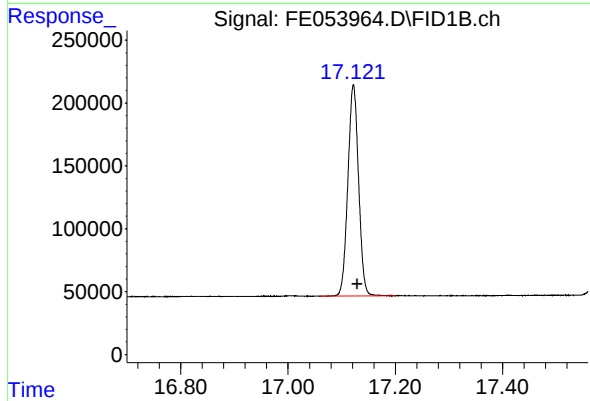
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.006 min
Response: 2373163
Conc: 18.97 ug/ml



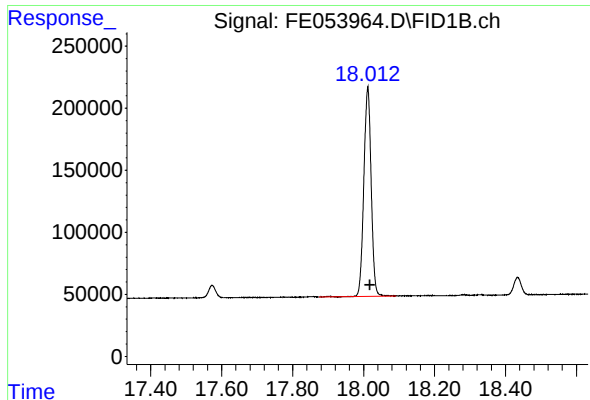
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: -0.007 min
Response: 2331673
Conc: 19.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.007 min
Response: 2325352
Conc: 19.13 ug/ml



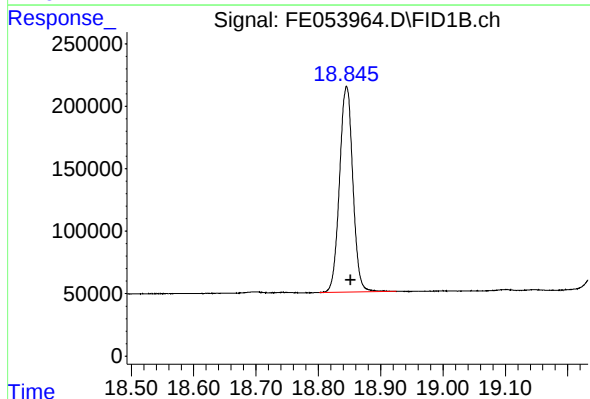
#17 n-Tricontane (C30)

R.T.: 18.012 min
Delta R.T.: -0.006 min
Response: 2415185
Conc: 19.39 ug/ml

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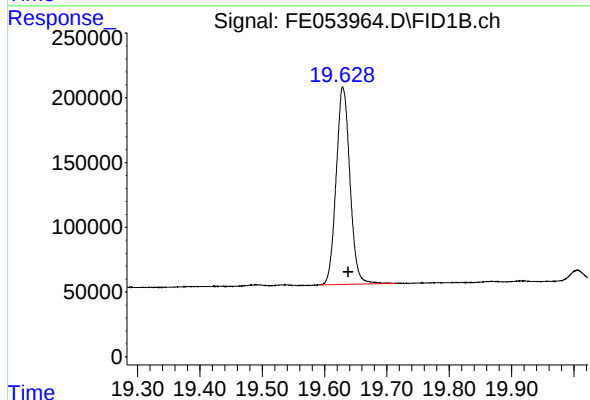
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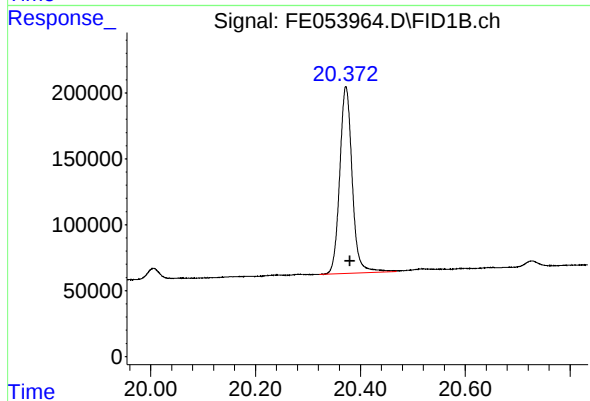
#18 n-Dotriacontane (C32)

R.T.: 18.845 min
Delta R.T.: -0.007 min
Response: 2447322
Conc: 19.57 ug/ml



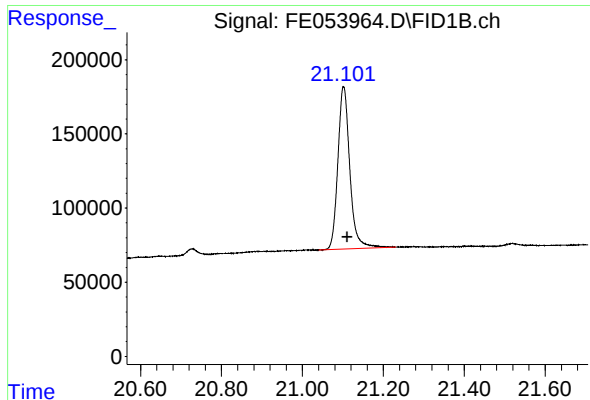
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.008 min
Response: 2339516
Conc: 19.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.008 min
Response: 2339414
Conc: 20.20 ug/ml



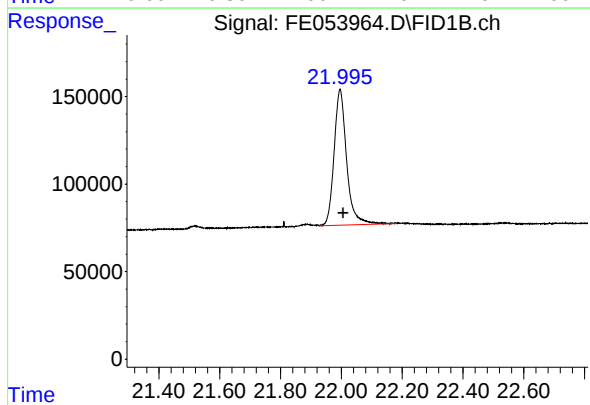
#21 n-Octatriacontane (C38)

R.T.: 21.102 min
Delta R.T.: -0.009 min
Response: 2234464
Conc: 20.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.995 min
Delta R.T.: -0.011 min
Response: 2226753
Conc: 22.44 ug/ml m