

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE053025AL\
 Data File : FE054110.D
 Signal(s) : FID1B.ch
 Acq On : 30 May 2025 22:05
 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 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File: autoint1.e
 Quant Time: May 30 22:59:58 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)	11.839	3238140	19.926 ug/ml
Spiked Amount 50.000		Recovery =	39.85%
12) S 1-chlorooctadecane (S...	13.285	2448474	20.654 ug/ml
Spiked Amount 50.000		Recovery =	41.31%
Target Compounds			
1) T n-Nonane (C9)	3.185	2341931	17.328 ug/ml
2) T n-Decane (C10)	4.448	2423384	17.934 ug/ml
3) T A~Naphthalene (C11.7)	6.163	2702320	18.803 ug/ml
4) T n-Dodecane (C12)	6.630	2524993	18.511 ug/ml
5) T A~2-methylnaphthalene...	7.265	2683576	19.347 ug/ml
6) T n-Tetradecane (C14)	8.466	2571322	19.054 ug/ml
7) T n-Hexadecane (C16)	10.078	2645729	19.608 ug/ml
8) T n-Octadecane (C18)	11.525	2680142	19.903 ug/mlm
10) T n-Eicosane (C20)	12.839	2650859	20.170 ug/ml
11) T n-Heneicosane (C21)	13.453	2623726	20.238 ug/ml
13) T n-Docosane (C22)	14.041	2613768	20.488 ug/ml
14) T n-Tetracosane (C24)	15.146	2606474	20.832 ug/ml
15) T n-Hexacosane (C26)	16.170	2554736	20.863 ug/ml
16) T n-Octacosane (C28)	17.122	2543744	20.925 ug/ml
17) T n-Tricontane (C30)	18.012	2639849	21.193 ug/ml
18) T n-Dotriacontane (C32)	18.845	2696444	21.562 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2579319	21.653 ug/ml
20) T n-Hexatriacontane (C36)	20.372	2642811	22.825 ug/ml
21) T n-Octatriacontane (C38)	21.102	2556507	23.492 ug/ml
22) T n-Tetracontane (C40)	21.997	2446838	24.658 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 30 May 2025 22:05
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

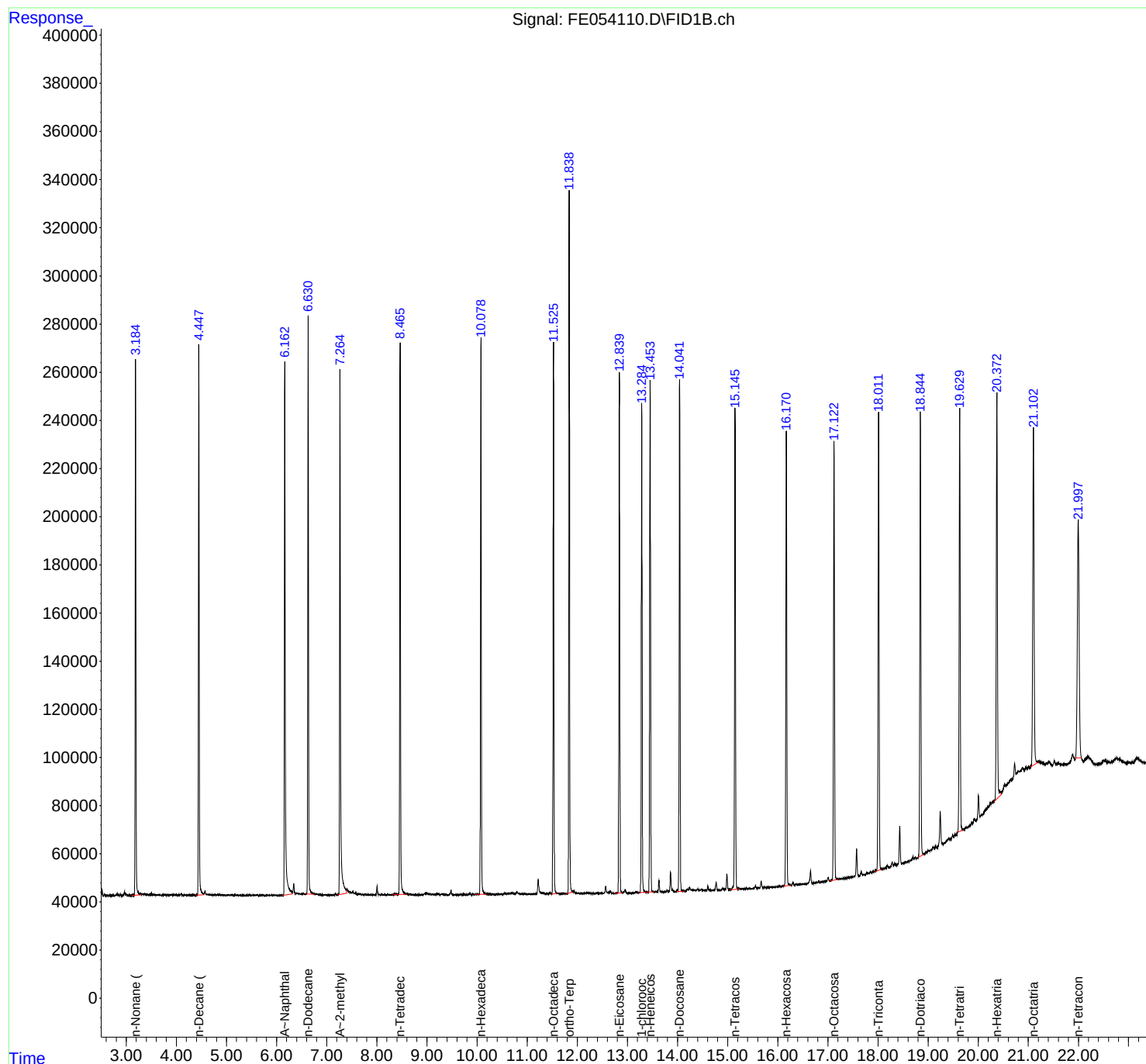
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

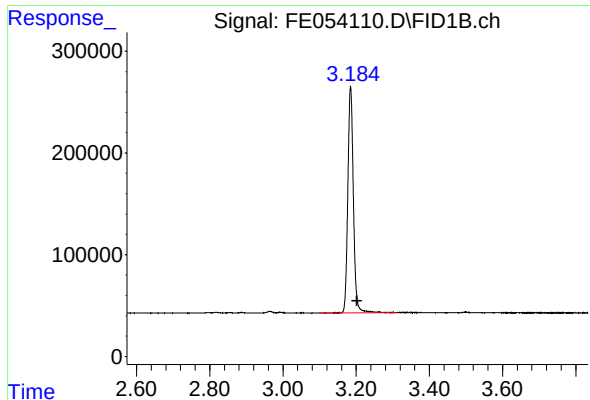
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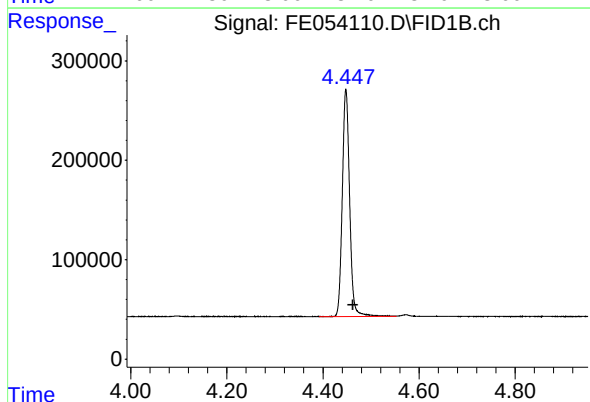
#1 n-Nonane (C9)

R.T.: 3.185 min
Delta R.T.: -0.017 min
Response: 2341931
Conc: 17.33 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

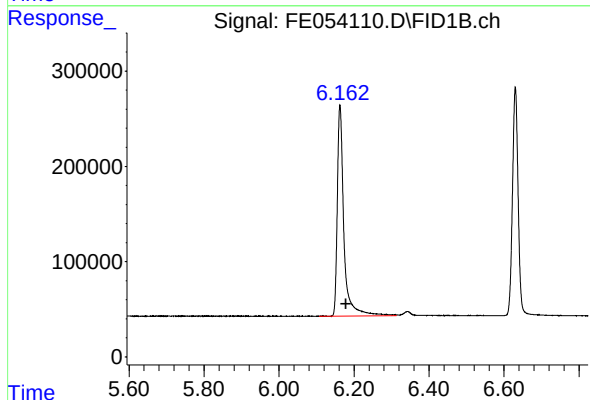
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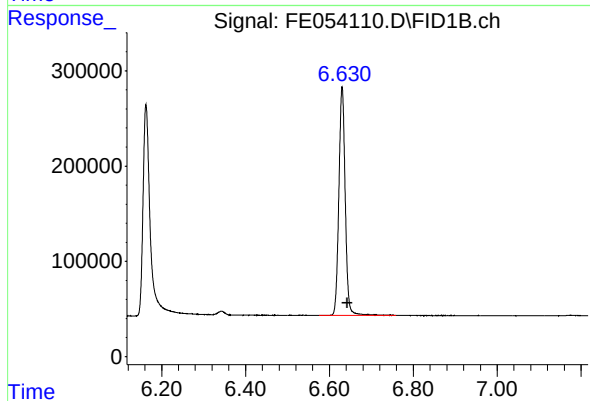
#2 n-Decane (C10)

R.T.: 4.448 min
Delta R.T.: -0.014 min
Response: 2423384
Conc: 17.93 ug/ml



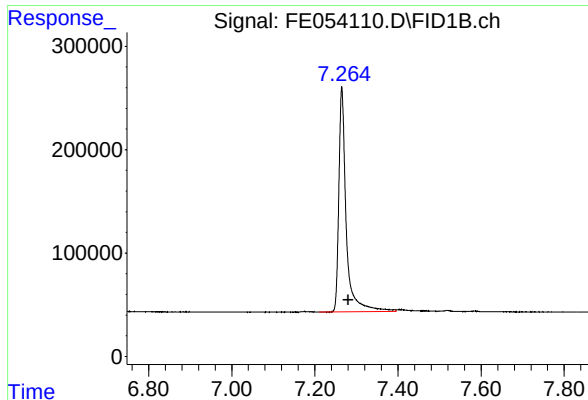
#3 A~Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: -0.015 min
Response: 2702320
Conc: 18.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.012 min
Response: 2524993
Conc: 18.51 ug/ml



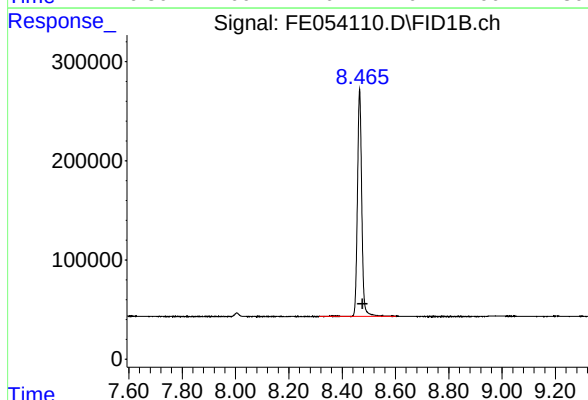
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.265 min
Delta R.T.: -0.015 min
Response: 2683576
Conc: 19.35 ug/ml

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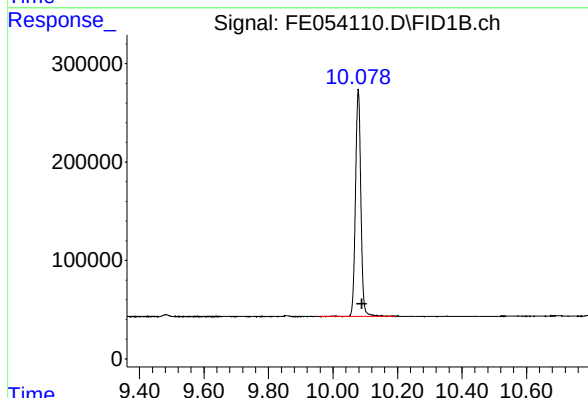
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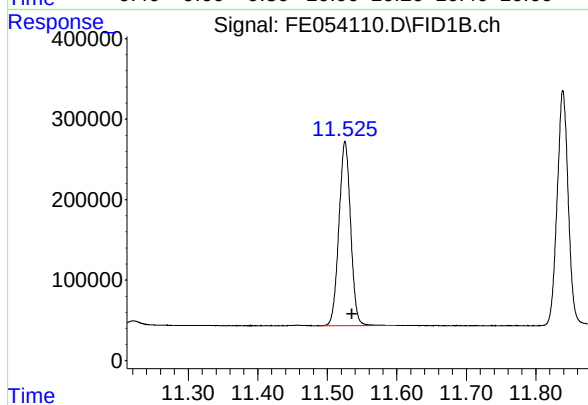
#6 n-Tetradecane (C14)

R.T.: 8.466 min
Delta R.T.: -0.012 min
Response: 2571322
Conc: 19.05 ug/ml



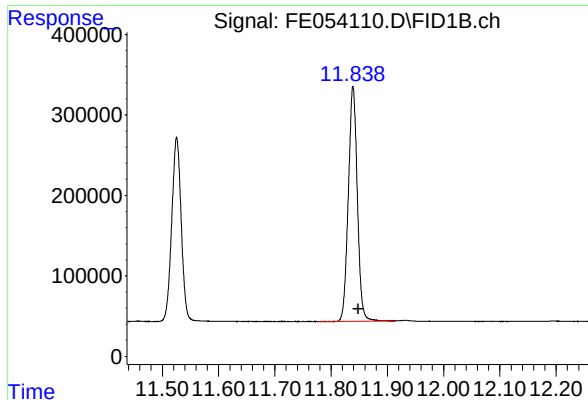
#7 n-Hexadecane (C16)

R.T.: 10.078 min
Delta R.T.: -0.012 min
Response: 2645729
Conc: 19.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.011 min
Response: 2680142
Conc: 19.90 ug/ml m



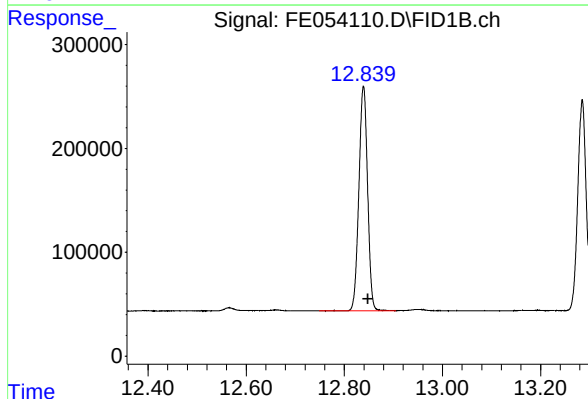
#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.010 min
Response: 3238140
Conc: 19.93 ug/ml

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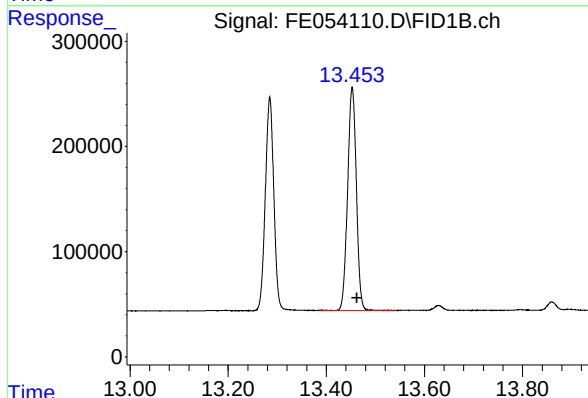
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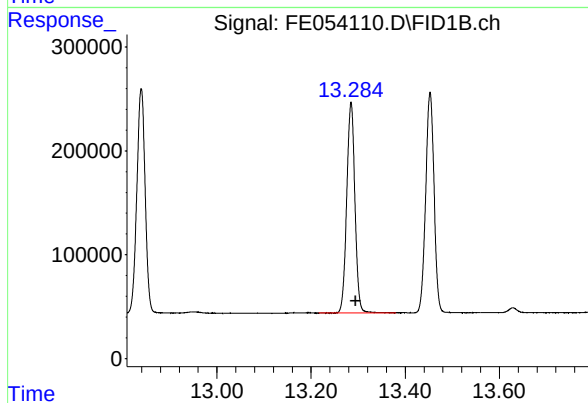
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.009 min
Response: 2650859
Conc: 20.17 ug/ml



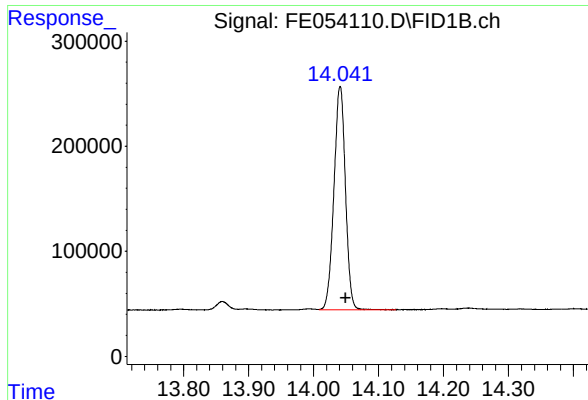
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.009 min
Response: 2623726
Conc: 20.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.010 min
Response: 2448474
Conc: 20.65 ug/ml



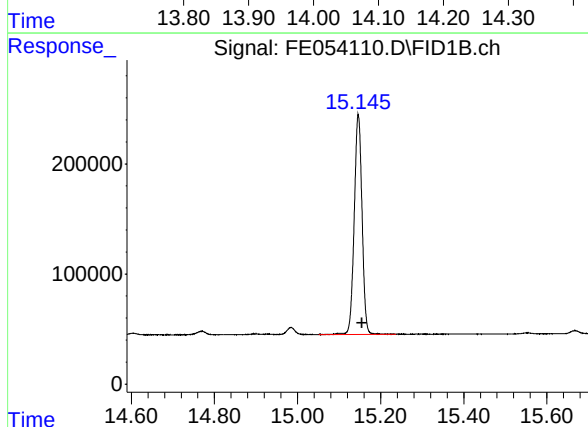
#13 n-Docosane (C22)

R.T.: 14.041 min
Delta R.T.: -0.008 min
Response: 2613768
Conc: 20.49 ug/ml

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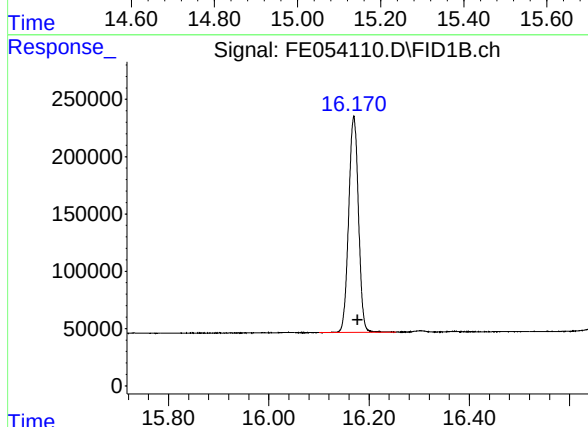
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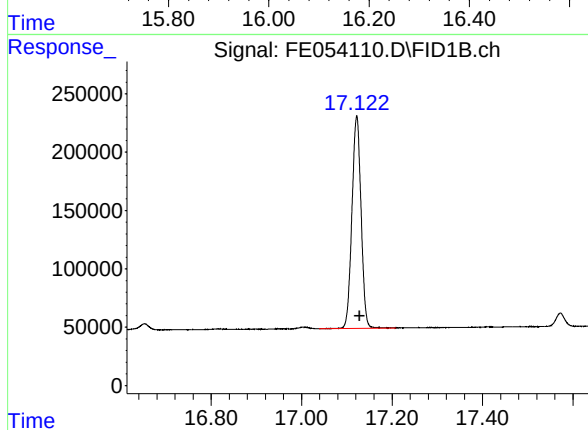
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: -0.008 min
Response: 2606474
Conc: 20.83 ug/ml



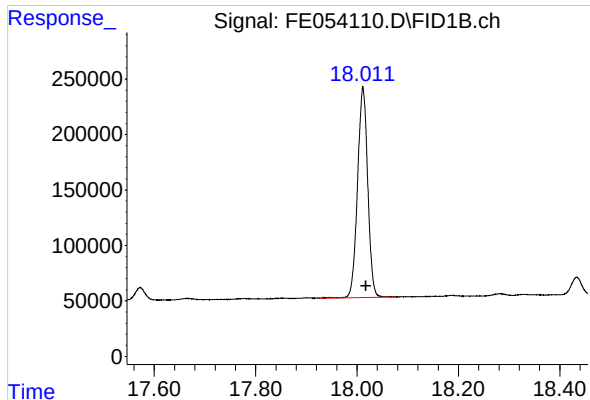
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.008 min
Response: 2554736
Conc: 20.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.007 min
Response: 2543744
Conc: 20.93 ug/ml



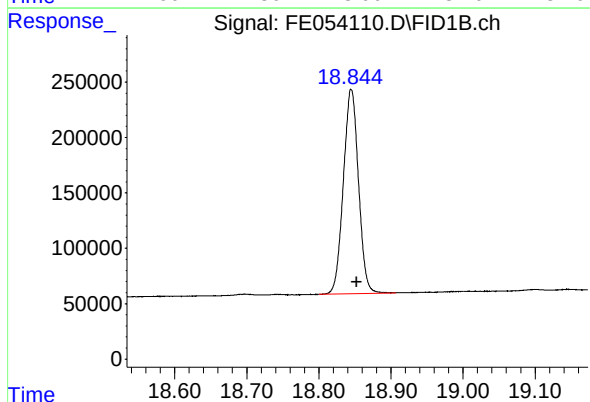
#17 n-Tricontane (C30)

R.T.: 18.012 min
Delta R.T.: -0.006 min
Response: 2639849
Conc: 21.19 ug/ml

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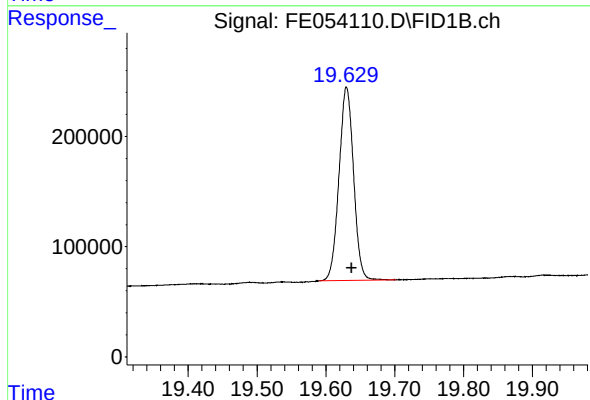
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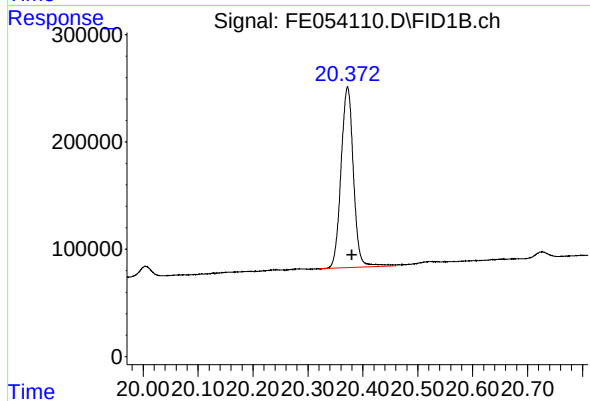
#18 n-Dotriacontane (C32)

R.T.: 18.845 min
Delta R.T.: -0.007 min
Response: 2696444
Conc: 21.56 ug/ml



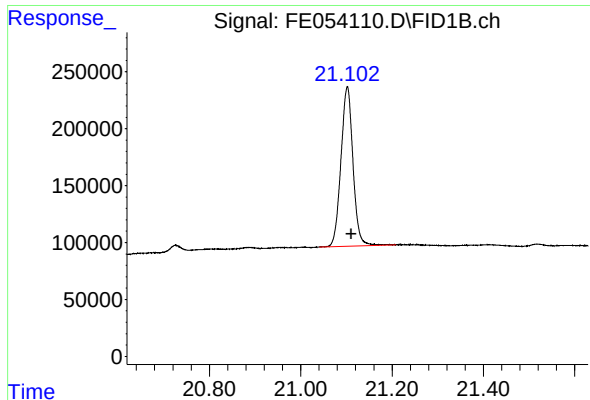
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.008 min
Response: 2579319
Conc: 21.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.008 min
Response: 2642811
Conc: 22.82 ug/ml



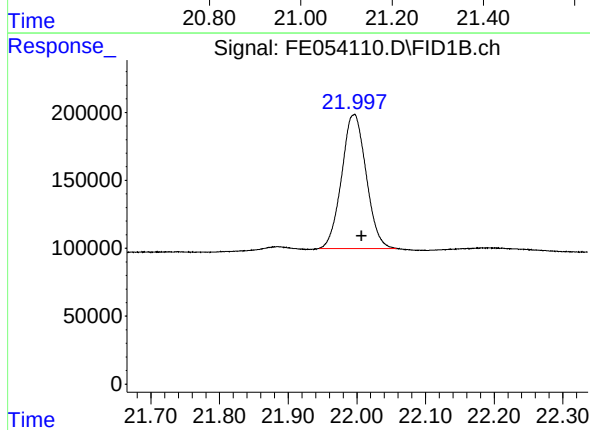
#21 n-Octatriacontane (C38)

R.T.: 21.102 min
Delta R.T.: -0.009 min
Response: 2556507
Conc: 23.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: -0.010 min
Response: 2446838
Conc: 24.66 ug/ml m