

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
 Data File : FE053997.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2025 12:53
 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 05/27/2025
 Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e
 Quant Time: May 23 22:57:36 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)	11.841	3131238	19.268 ug/ml
Spiked Amount 50.000		Recovery =	38.54%
12) S 1-chlorooctadecane (S...	13.286	2325732	19.618 ug/ml
Spiked Amount 50.000		Recovery =	39.24%
Target Compounds			
1) T n-Nonane (C9)	3.192	2449973	18.127 ug/ml
2) T n-Decane (C10)	4.454	2488684	18.417 ug/ml
3) T A~Naphthalene (C11.7)	6.166	2670101	18.579 ug/ml
4) T n-Dodecane (C12)	6.634	2542287	18.638 ug/ml
5) T A~2-methylnaphthalene...	7.268	2693526	19.419 ug/mlm
6) T n-Tetradecane (C14)	8.469	2541823	18.835 ug/ml
7) T n-Hexadecane (C16)	10.081	2585762	19.163 ug/ml
8) T n-Octadecane (C18)	11.528	2575454	19.126 ug/ml
10) T n-Eicosane (C20)	12.840	2551101	19.411 ug/ml
11) T n-Heneicosane (C21)	13.454	2521862	19.452 ug/ml
13) T n-Docosane (C22)	14.041	2507466	19.655 ug/ml
14) T n-Tetracosane (C24)	15.147	2499317	19.976 ug/ml
15) T n-Hexacosane (C26)	16.170	2461977	20.106 ug/ml
16) T n-Octacosane (C28)	17.121	2478095	20.385 ug/ml
17) T n-Tricontane (C30)	18.010	2594100	20.825 ug/ml
18) T n-Dotriacontane (C32)	18.844	2638490	21.099 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2497376	20.965 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2437967	21.056 ug/ml
21) T n-Octatriacontane (C38)	21.100	2354489	21.635 ug/ml
22) T n-Tetracontane (C40)	21.992	2275647	22.933 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

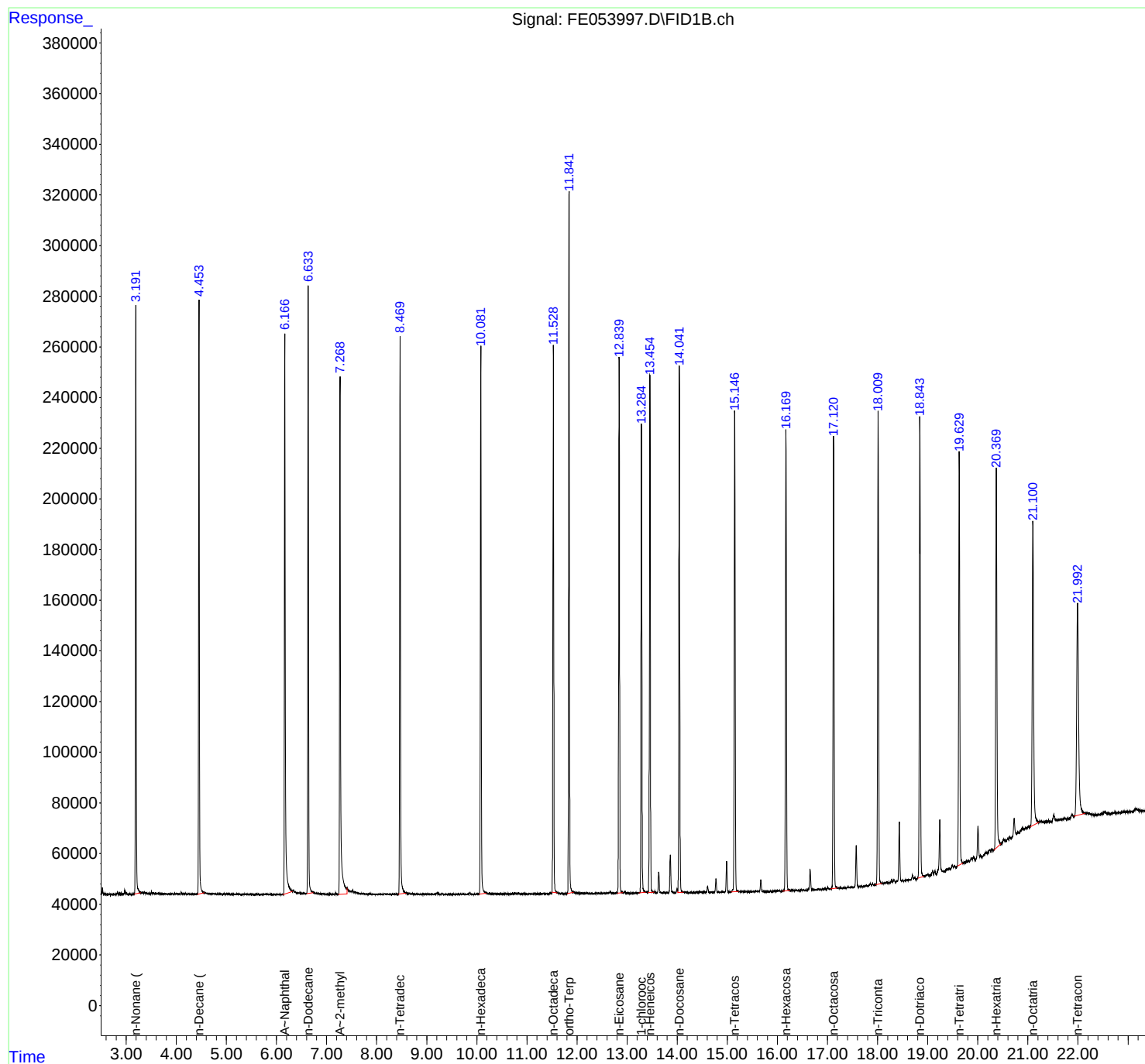
Instrument :
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20 PPM ALIPHATIC HC STD

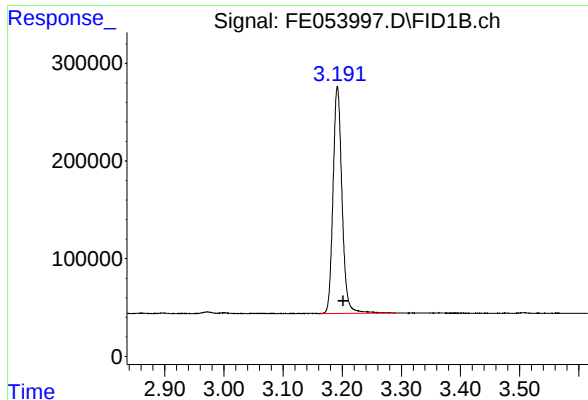
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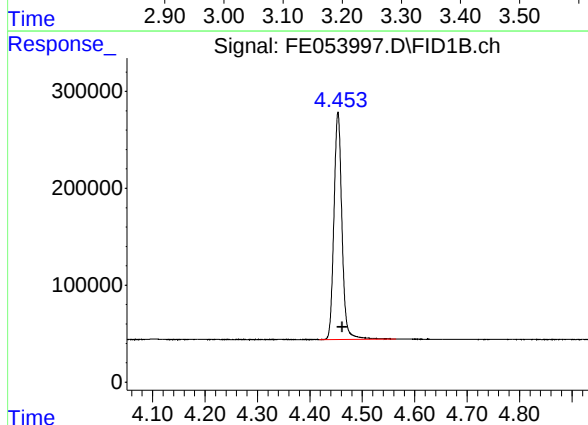
#1 n-Nonane (C9)

R.T.: 3.192 min
Delta R.T.: -0.010 min
Response: 2449973
Conc: 18.13 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

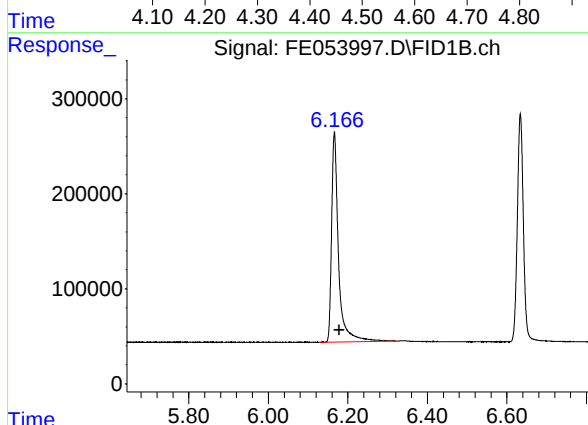
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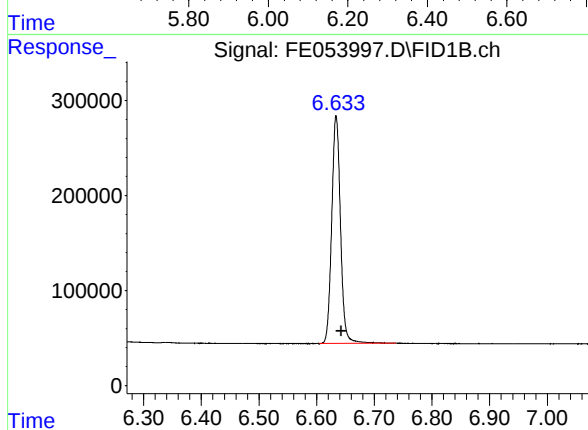
#2 n-Decane (C10)

R.T.: 4.454 min
Delta R.T.: -0.009 min
Response: 2488684
Conc: 18.42 ug/ml



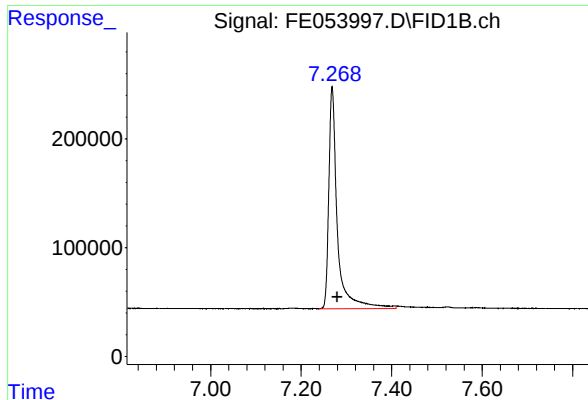
#3 A~Naphthalene (C11.7)

R.T.: 6.166 min
Delta R.T.: -0.012 min
Response: 2670101
Conc: 18.58 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.634 min
Delta R.T.: -0.008 min
Response: 2542287
Conc: 18.64 ug/ml



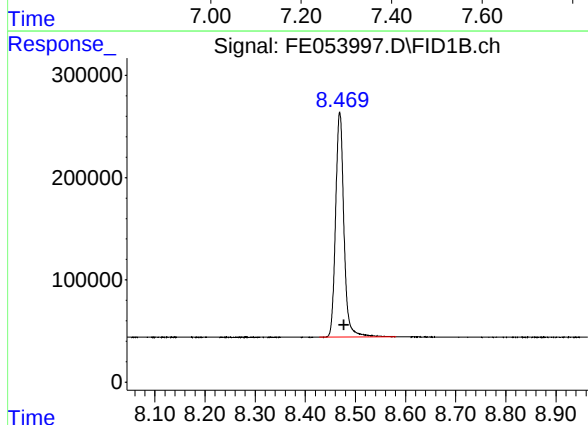
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.268 min
Delta R.T.: -0.012 min
Response: 2693526
Conc: 19.42 ug/ml

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20 PPM ALIPHATIC HC STD

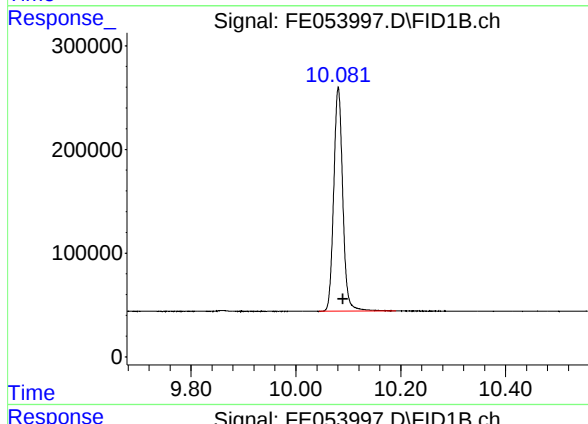
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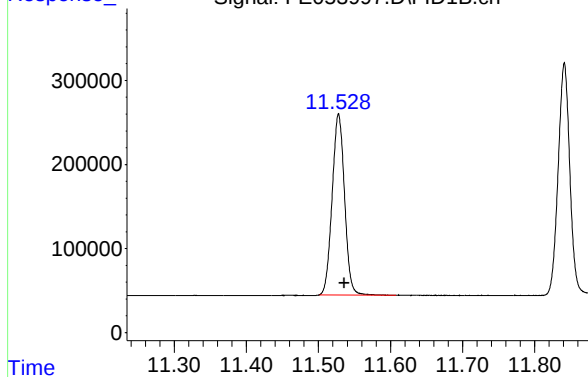
#6 n-Tetradecane (C14)

R.T.: 8.469 min
Delta R.T.: -0.008 min
Response: 2541823
Conc: 18.84 ug/ml



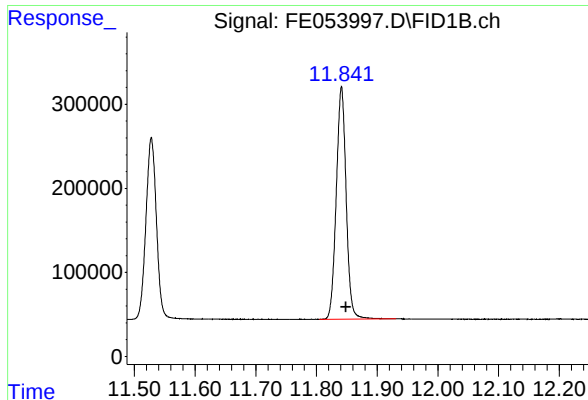
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.009 min
Response: 2585762
Conc: 19.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.008 min
Response: 2575454
Conc: 19.13 ug/ml



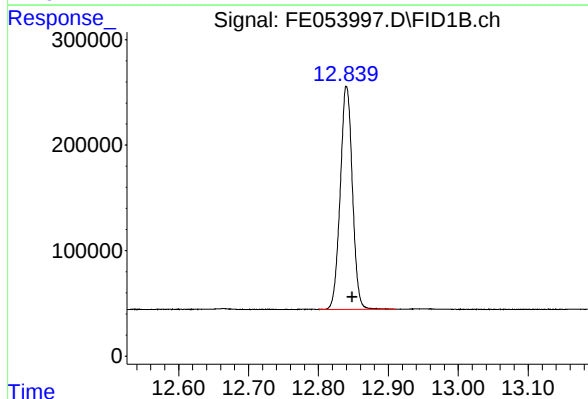
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.007 min
Response: 3131238
Conc: 19.27 ug/ml

Instrument :
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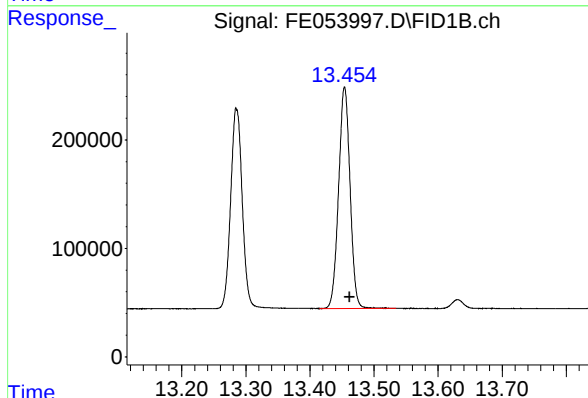
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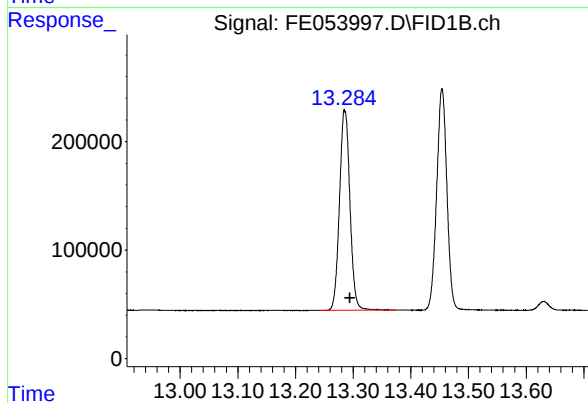
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.008 min
Response: 2551101
Conc: 19.41 ug/ml



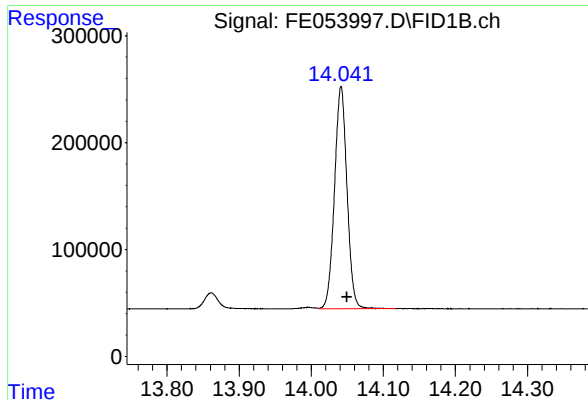
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.008 min
Response: 2521862
Conc: 19.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.009 min
Response: 2325732
Conc: 19.62 ug/ml



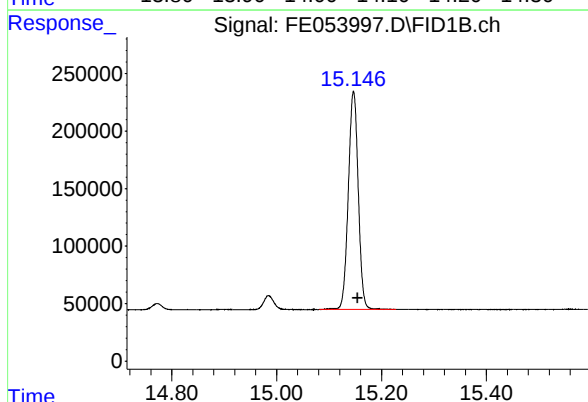
#13 n-Docosane (C22)

R.T.: 14.041 min
Delta R.T.: -0.008 min
Response: 2507466
Conc: 19.65 ug/ml

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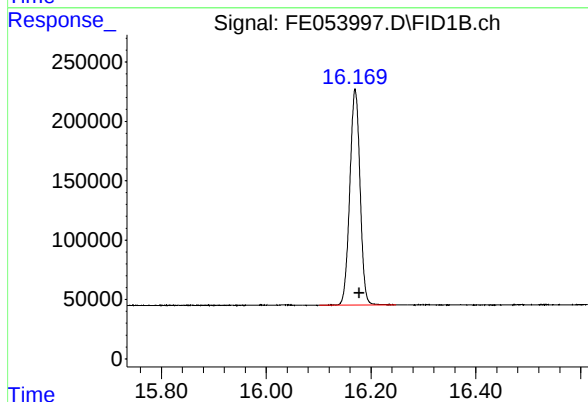
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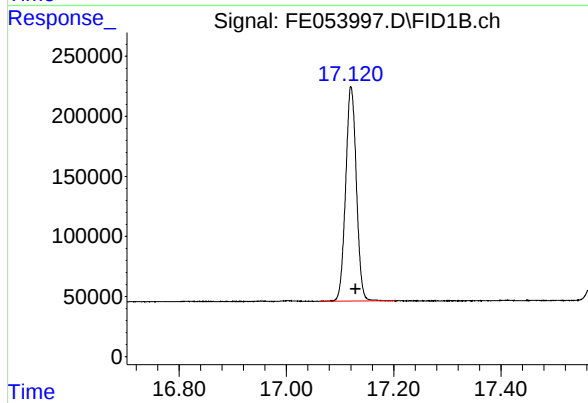
#14 n-Tetracosane (C24)

R.T.: 15.147 min
Delta R.T.: -0.008 min
Response: 2499317
Conc: 19.98 ug/ml



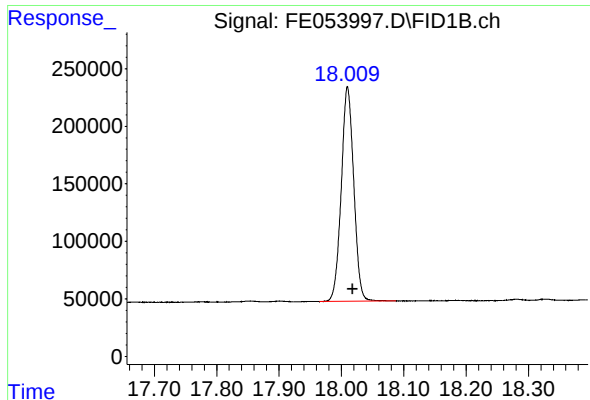
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.008 min
Response: 2461977
Conc: 20.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min
Delta R.T.: -0.008 min
Response: 2478095
Conc: 20.39 ug/ml



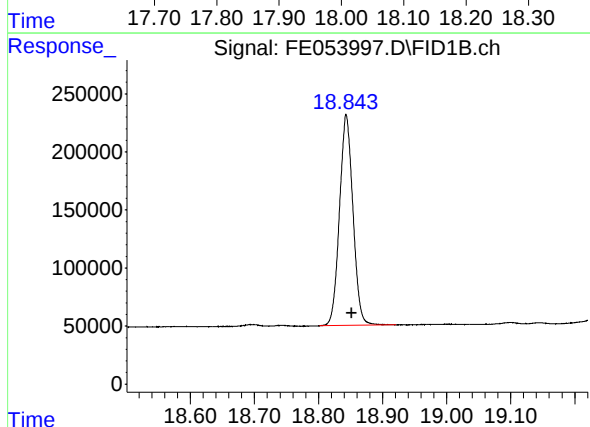
#17 n-Tricontane (C30)

R.T.: 18.010 min
Delta R.T.: -0.008 min
Response: 2594100
Conc: 20.83 ug/ml

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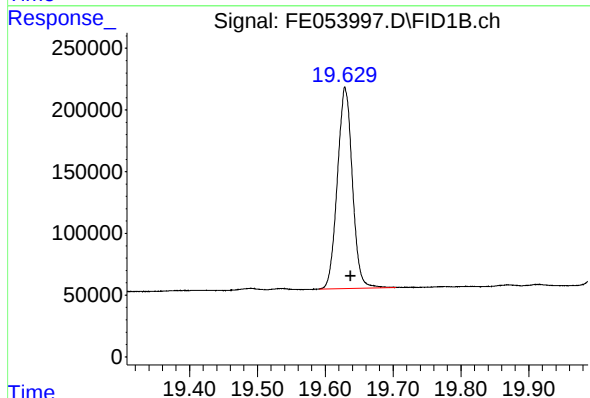
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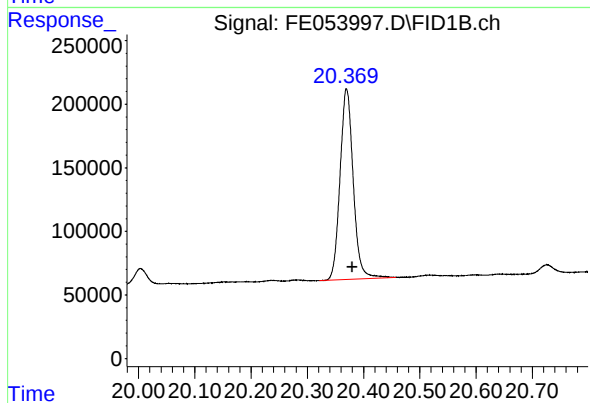
#18 n-Dotriacontane (C32)

R.T.: 18.844 min
Delta R.T.: -0.009 min
Response: 2638490
Conc: 21.10 ug/ml



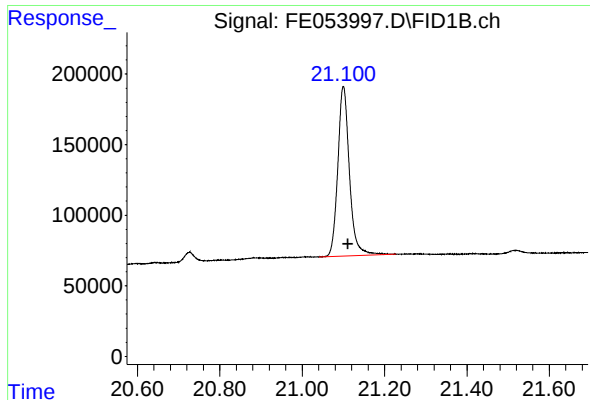
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.008 min
Response: 2497376
Conc: 20.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.010 min
Response: 2437967
Conc: 21.06 ug/ml



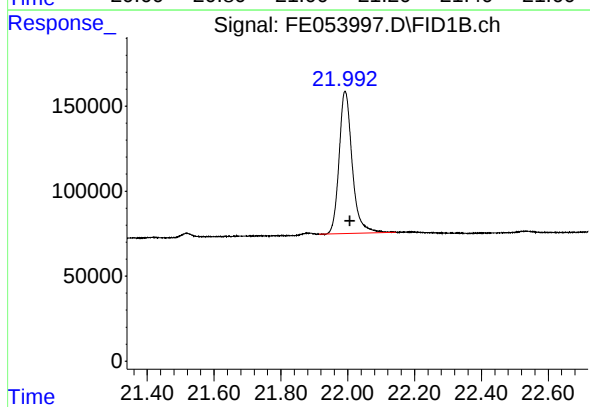
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 2354489
Conc: 21.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: -0.015 min
Response: 2275647
Conc: 22.93 ug/ml