

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051625AL\
 Data File : FE053873.D
 Signal(s) : FID1B.ch
 Acq On : 16 May 2025 13:15
 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 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e
 Quant Time: May 17 05:08:21 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)	11.849	3010621	18.526 ug/ml
Spiked Amount 50.000		Recovery =	37.05%
12) S 1-chlorooctadecane (S...	13.294	2222462	18.747 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
Target Compounds			
1) T n-Nonane (C9)	3.200	2533025	18.742 ug/ml
2) T n-Decane (C10)	4.461	2541129	18.805 ug/ml
3) T A~Naphthalene (C11.7)	6.173	2712528	18.874 ug/ml
4) T n-Dodecane (C12)	6.641	2564191	18.798 ug/ml
5) T A~2-methylnaphthalene...	7.275	2552067	18.399 ug/ml
6) T n-Tetradecane (C14)	8.476	2537642	18.804 ug/ml
7) T n-Hexadecane (C16)	10.088	2533019	18.772 ug/ml
8) T n-Octadecane (C18)	11.536	2509188	18.634 ug/ml
10) T n-Eicosane (C20)	12.849	2440219	18.567 ug/ml
11) T n-Heneicosane (C21)	13.462	2408178	18.575 ug/ml
13) T n-Docosane (C22)	14.050	2368550	18.566 ug/ml
14) T n-Tetracosane (C24)	15.156	2333464	18.650 ug/ml
15) T n-Hexacosane (C26)	16.178	2288563	18.690 ug/ml
16) T n-Octacosane (C28)	17.130	2257120	18.567 ug/ml
17) T n-Tricontane (C30)	18.018	2312921	18.568 ug/ml
18) T n-Dotriacontane (C32)	18.852	2336330	18.682 ug/ml
19) T n-Tetratriacontane (C34)	19.639	2263549	19.002 ug/ml
20) T n-Hexatriacontane (C36)	20.380	2265751	19.568 ug/ml
21) T n-Octatriacontane (C38)	21.111	2213110	20.336 ug/ml
22) T n-Tetracontane (C40)	22.008	2158997	21.757 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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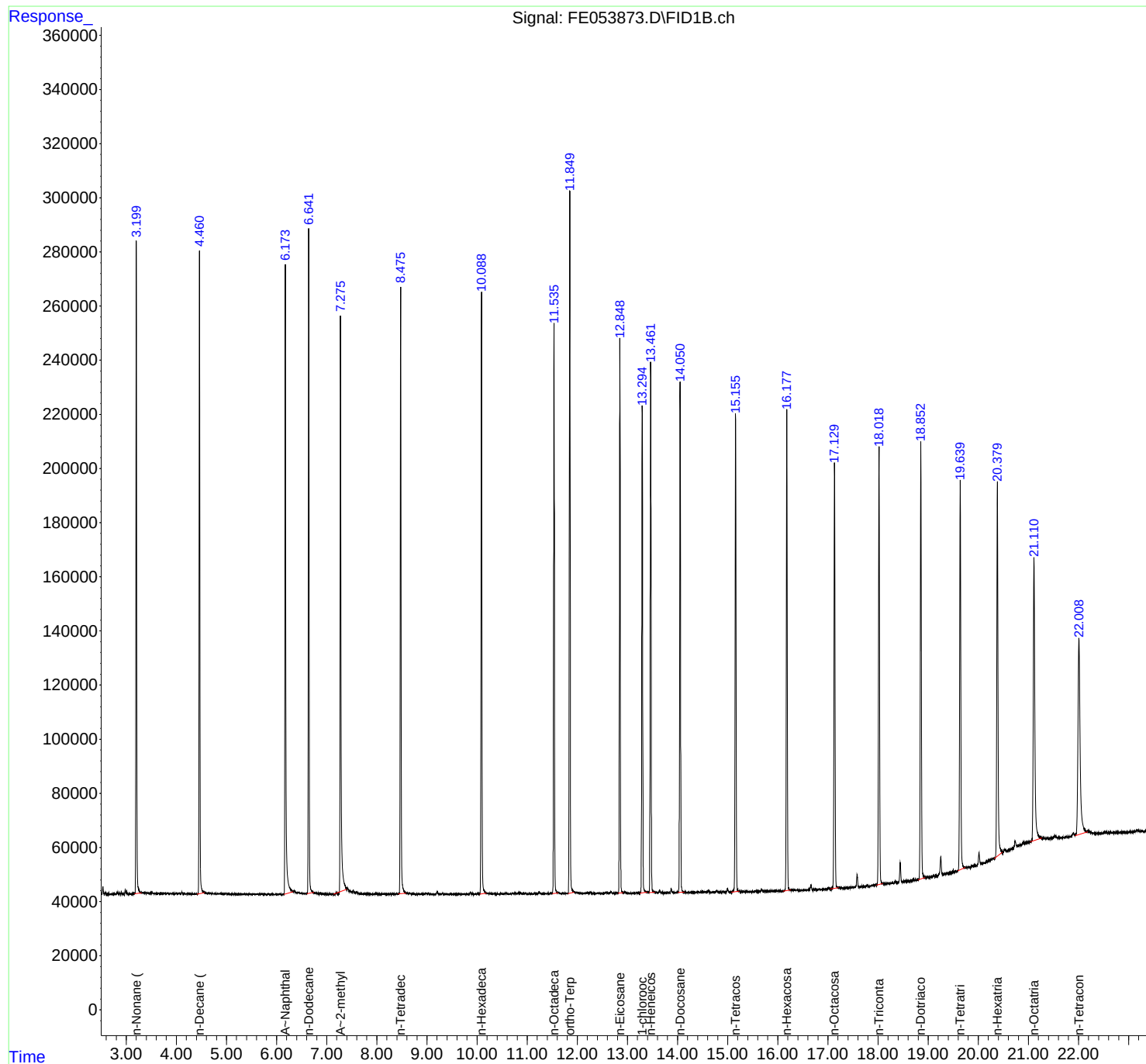
Instrument :
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20 PPM ALIPHATIC HC STD

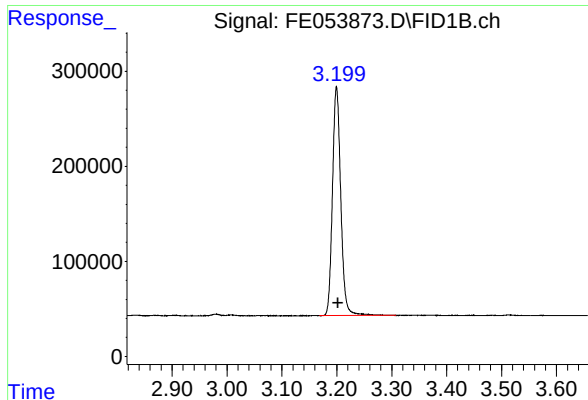
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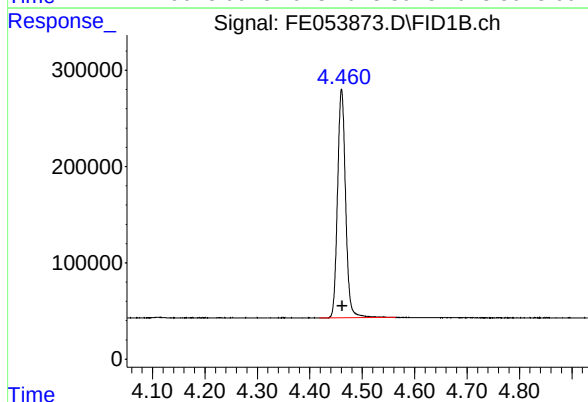
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.002 min
Response: 2533025
Conc: 18.74 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

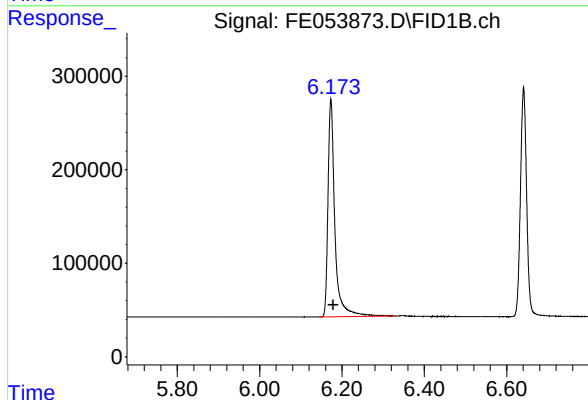
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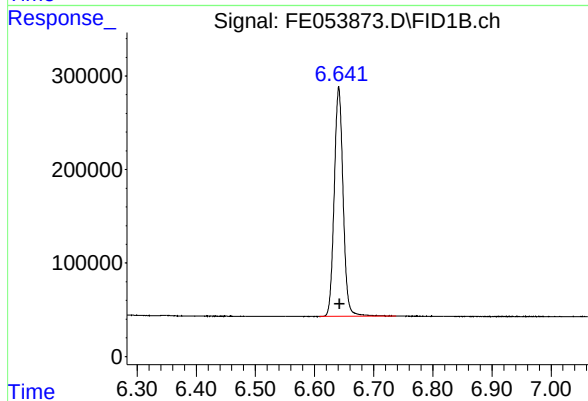
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: -0.002 min
Response: 2541129
Conc: 18.80 ug/ml



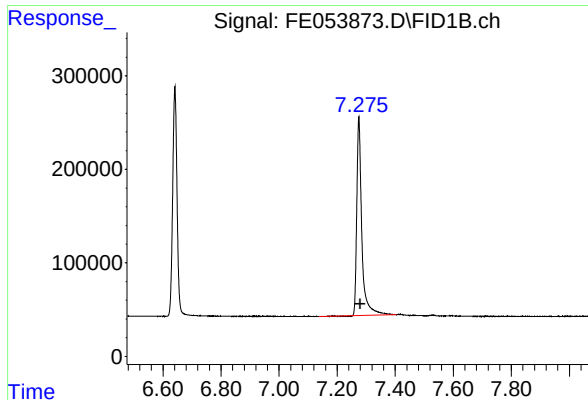
#3 A~Naphthalene (C11.7)

R.T.: 6.173 min
Delta R.T.: -0.005 min
Response: 2712528
Conc: 18.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.641 min
Delta R.T.: -0.001 min
Response: 2564191
Conc: 18.80 ug/ml



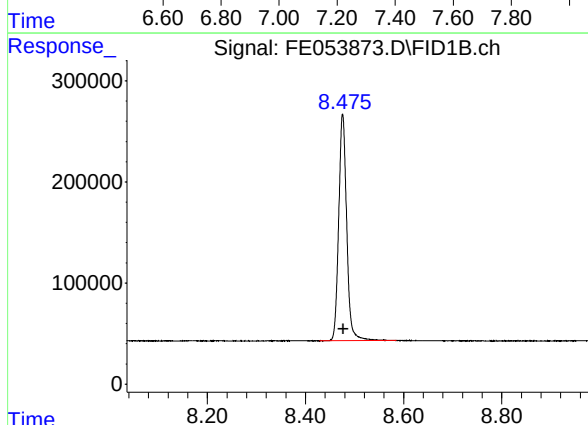
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.275 min
Delta R.T.: -0.005 min
Response: 2552067
Conc: 18.40 ug/ml

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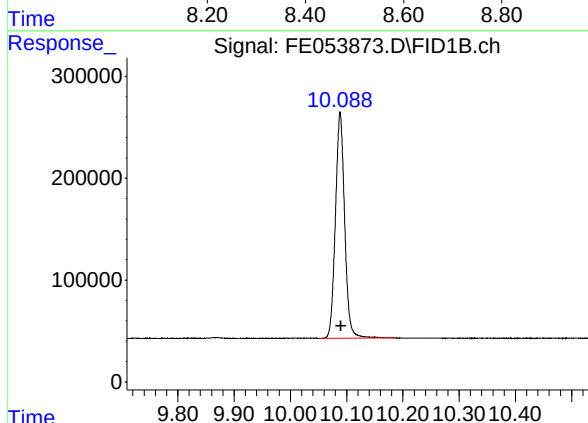
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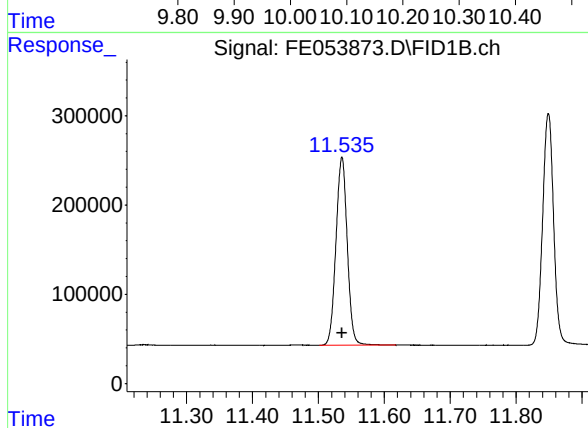
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.001 min
Response: 2537642
Conc: 18.80 ug/ml



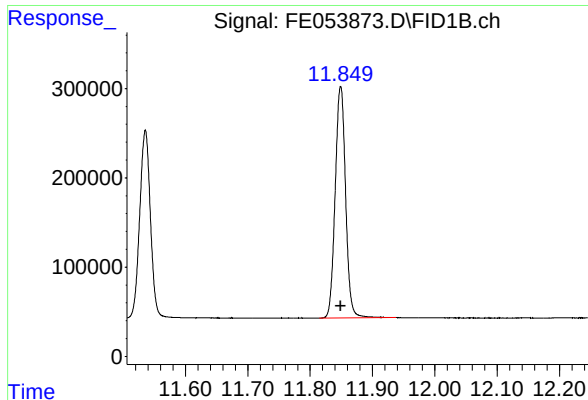
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: -0.001 min
Response: 2533019
Conc: 18.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.536 min
Delta R.T.: 0.000 min
Response: 2509188
Conc: 18.63 ug/ml



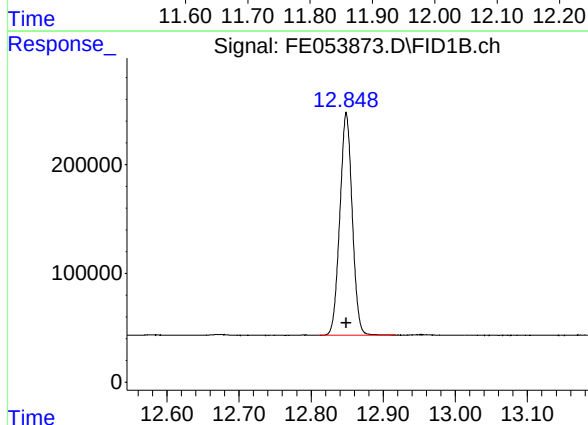
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 3010621
Conc: 18.53 ug/ml

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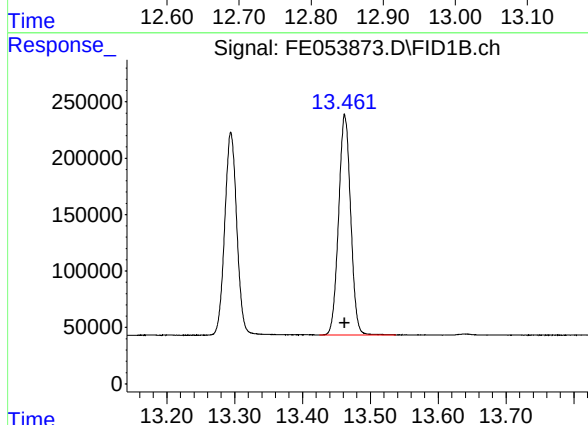
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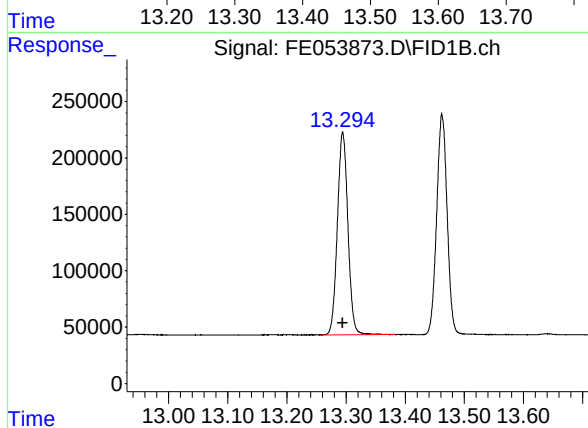
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.000 min
Response: 2440219
Conc: 18.57 ug/ml



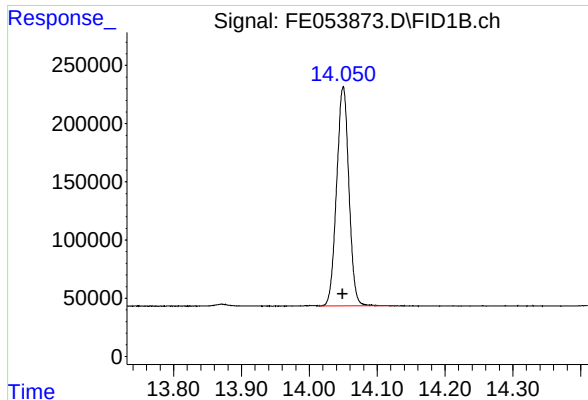
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 2408178
Conc: 18.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 2222462
Conc: 18.75 ug/ml



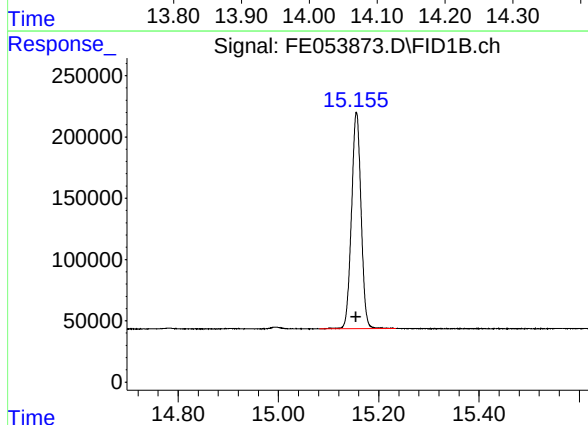
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2368550
Conc: 18.57 ug/ml

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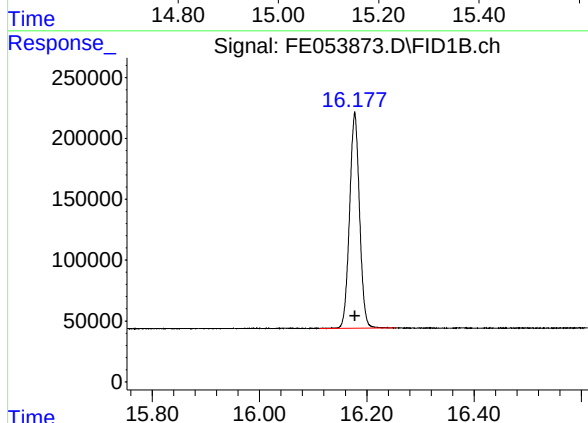
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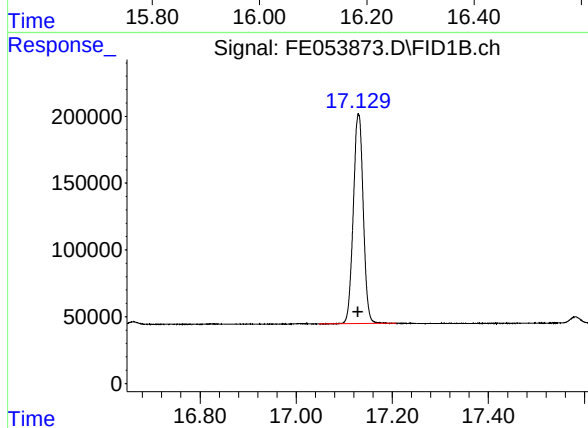
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: 0.000 min
Response: 2333464
Conc: 18.65 ug/ml



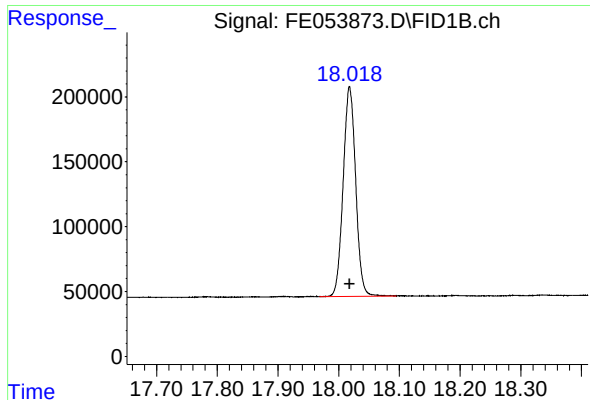
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2288563
Conc: 18.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: 0.001 min
Response: 2257120
Conc: 18.57 ug/ml



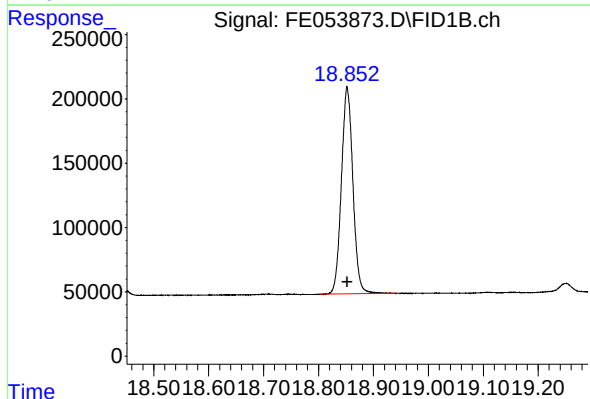
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: 0.000 min
Response: 2312921
Conc: 18.57 ug/ml

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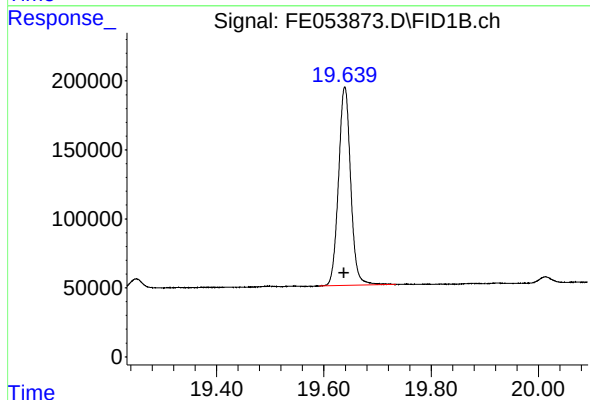
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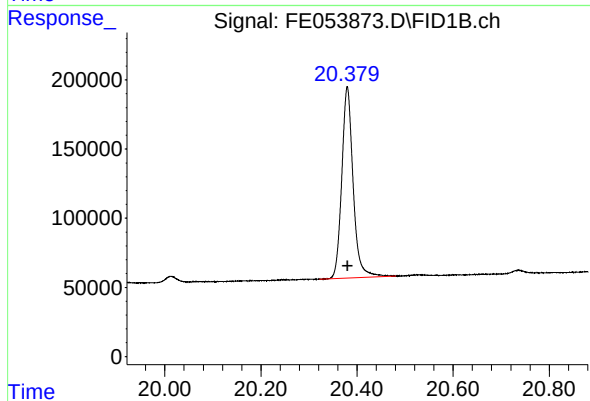
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: 0.000 min
Response: 2336330
Conc: 18.68 ug/ml



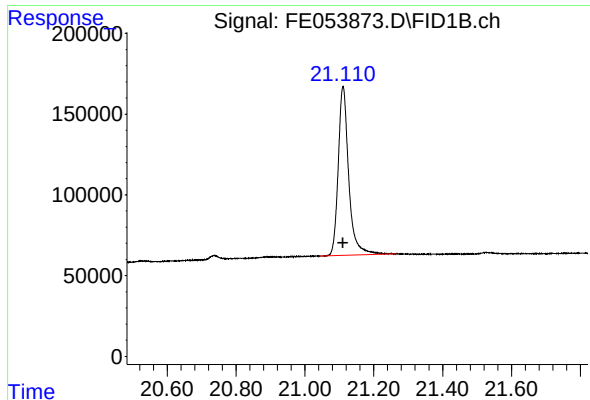
#19 n-Tetratriacontane (C34)

R.T.: 19.639 min
Delta R.T.: 0.001 min
Response: 2263549
Conc: 19.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: 0.000 min
Response: 2265751
Conc: 19.57 ug/ml



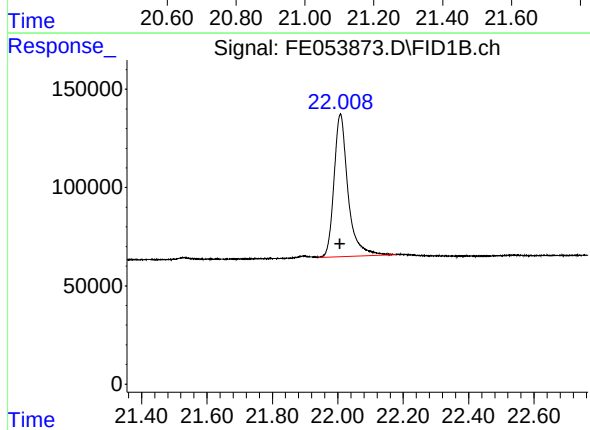
#21 n-Octatriacontane (C38)

R.T.: 21.111 min
Delta R.T.: 0.000 min
Response: 2213110
Conc: 20.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: 0.001 min
Response: 2158997
Conc: 21.76 ug/ml m