

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051525AL\
 Data File : FE053863.D
 Signal(s) : FID1B.ch
 Acq On : 16 May 2025 01:13
 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 05/16/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File: autoint1.e
 Quant Time: May 16 02:07:31 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	3025674	18.618 ug/ml
Spiked Amount 50.000		Recovery =	37.24%
12) S 1-chlorooctadecane (S...	13.294	2234244	18.847 ug/ml
Spiked Amount 50.000		Recovery =	37.69%
Target Compounds			
1) T n-Nonane (C9)	3.200	2541200	18.802 ug/ml
2) T n-Decane (C10)	4.460	2558393	18.933 ug/ml
3) T A~Naphthalene (C11.7)	6.173	2742267	19.081 ug/ml
4) T n-Dodecane (C12)	6.640	2589933	18.987 ug/ml
5) T A~2-methylnaphthalene...	7.274	2645504	19.072 ug/mlm
6) T n-Tetradecane (C14)	8.476	2552628	18.916 ug/ml
7) T n-Hexadecane (C16)	10.088	2551083	18.906 ug/ml
8) T n-Octadecane (C18)	11.535	2525628	18.756 ug/ml
10) T n-Eicosane (C20)	12.849	2453049	18.664 ug/ml
11) T n-Heneicosane (C21)	13.463	2416945	18.643 ug/ml
13) T n-Docosane (C22)	14.050	2380856	18.662 ug/ml
14) T n-Tetracosane (C24)	15.155	2335472	18.666 ug/ml
15) T n-Hexacosane (C26)	16.178	2280248	18.622 ug/ml
16) T n-Octacosane (C28)	17.130	2246733	18.482 ug/ml
17) T n-Tricontane (C30)	18.020	2288521	18.372 ug/mlm
18) T n-Dotriacontane (C32)	18.853	2310702	18.478 ug/ml
19) T n-Tetratriacontane (C34)	19.638	2240597	18.809 ug/ml
20) T n-Hexatriacontane (C36)	20.380	2253671	19.464 ug/ml
21) T n-Octatriacontane (C38)	21.110	2267242	20.834 ug/ml
22) T n-Tetracontane (C40)	22.006	2148734	21.654 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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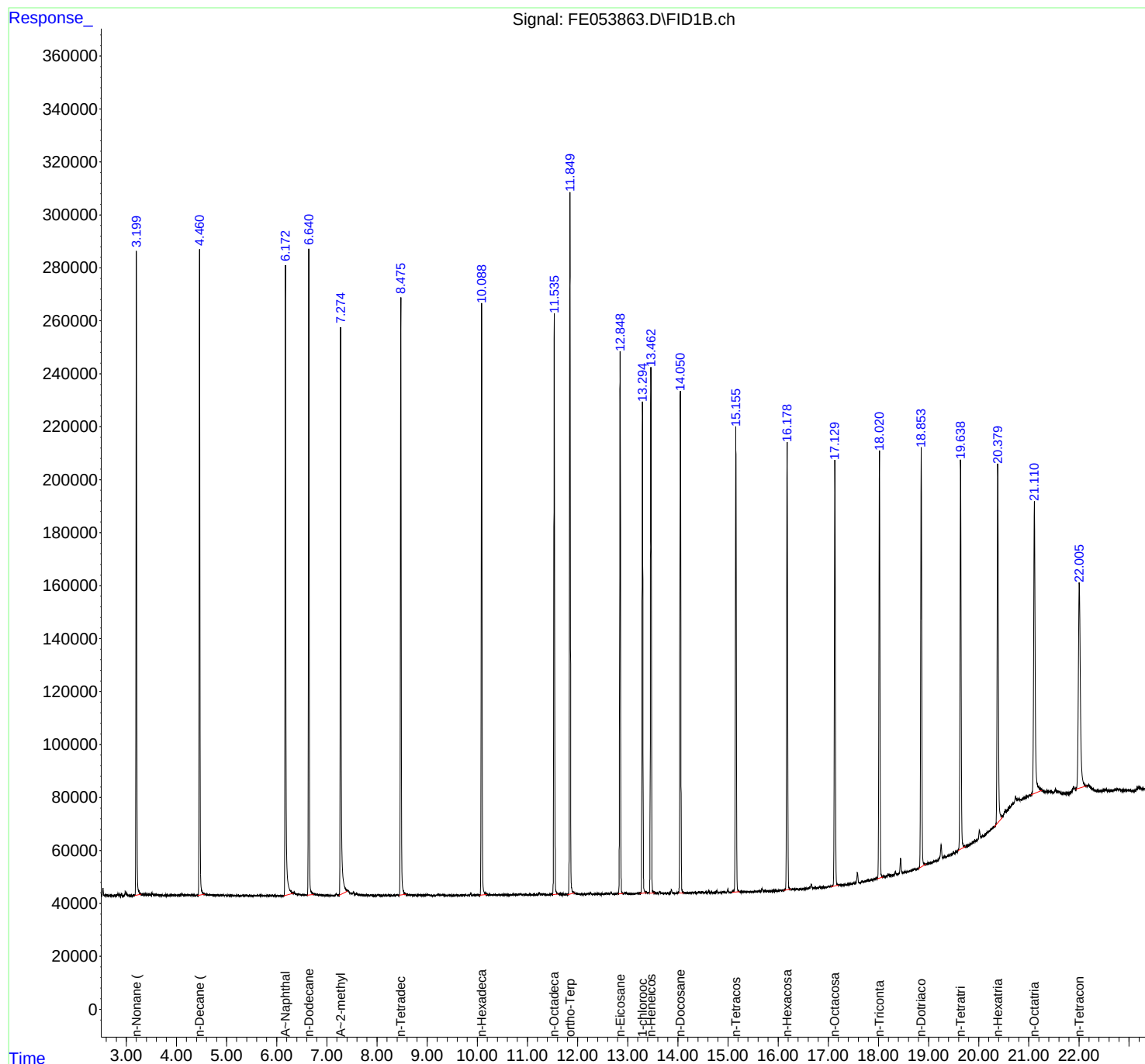
Instrument :
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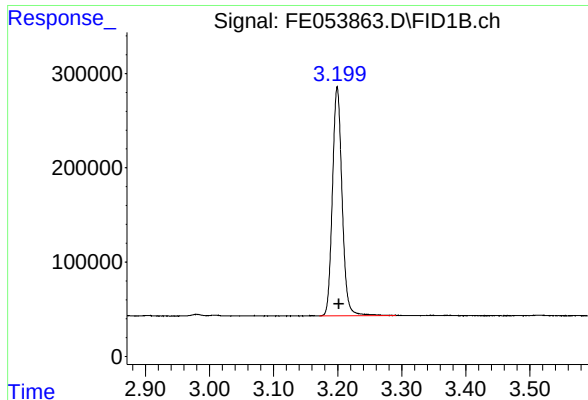
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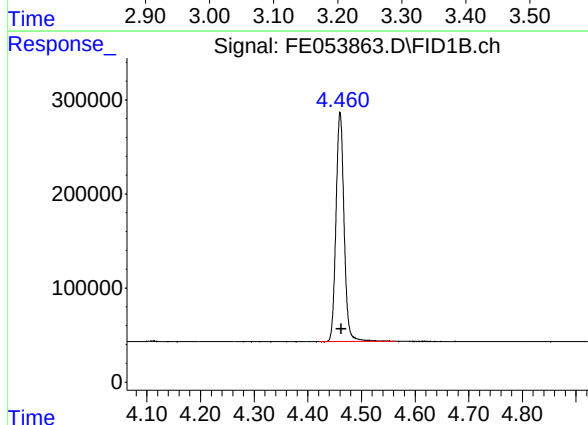
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.002 min
Response: 2541200
Conc: 18.80 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

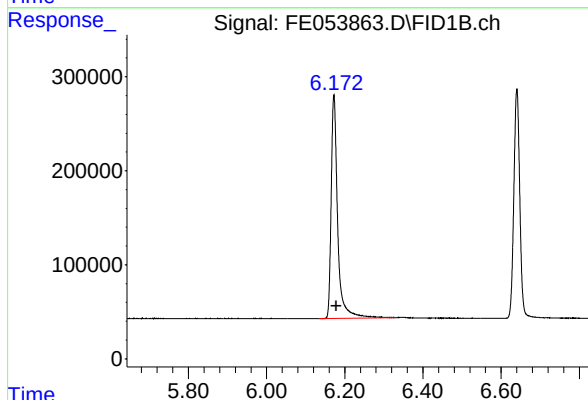
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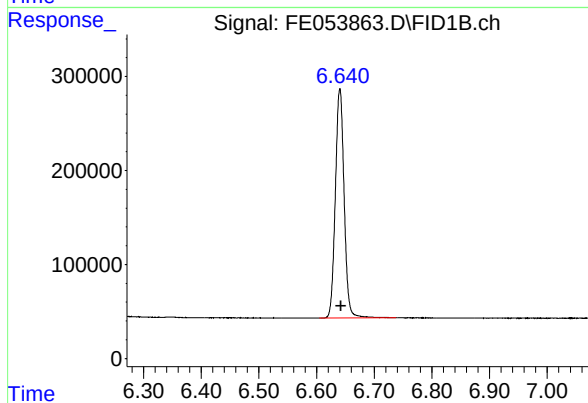
#2 n-Decane (C10)

R.T.: 4.460 min
Delta R.T.: -0.002 min
Response: 2558393
Conc: 18.93 ug/ml



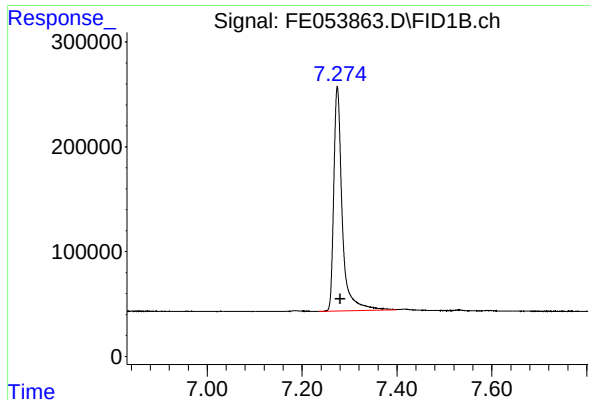
#3 A~Naphthalene (C11.7)

R.T.: 6.173 min
Delta R.T.: -0.006 min
Response: 2742267
Conc: 19.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.640 min
Delta R.T.: -0.002 min
Response: 2589933
Conc: 18.99 ug/ml



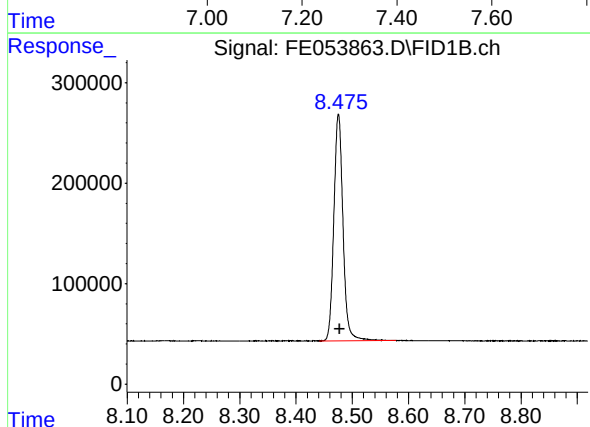
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.274 min
Delta R.T.: -0.006 min
Response: 2645504
Conc: 19.07 ug/ml

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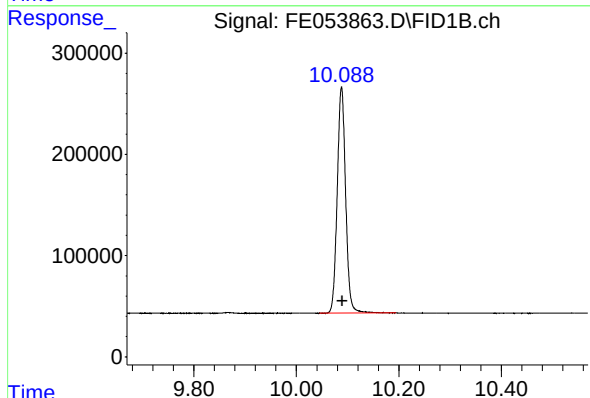
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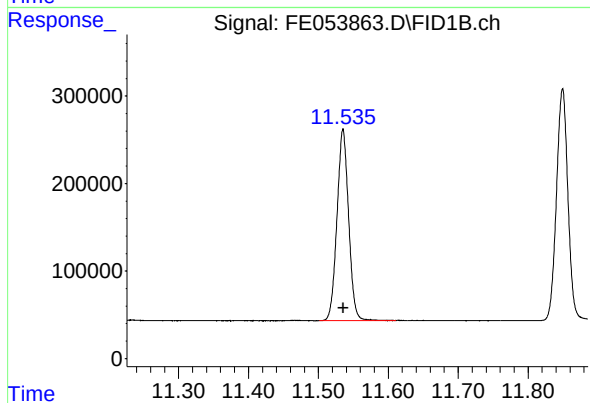
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.002 min
Response: 2552628
Conc: 18.92 ug/ml



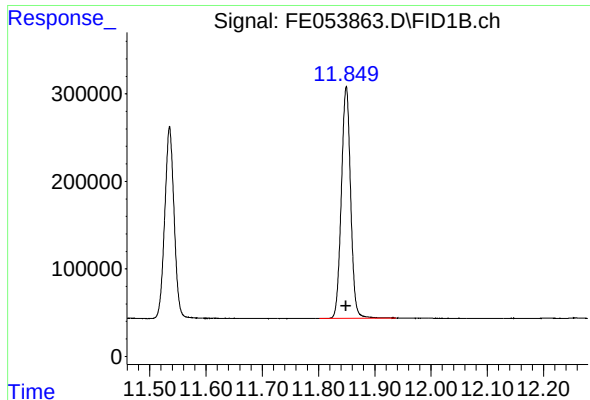
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: -0.002 min
Response: 2551083
Conc: 18.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.535 min
Delta R.T.: 0.000 min
Response: 2525628
Conc: 18.76 ug/ml



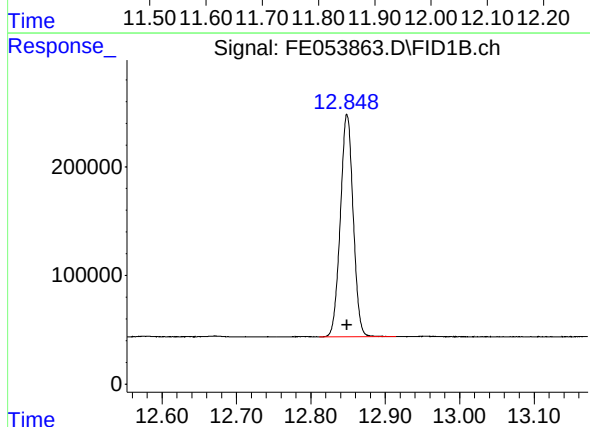
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 3025674
Conc: 18.62 ug/ml

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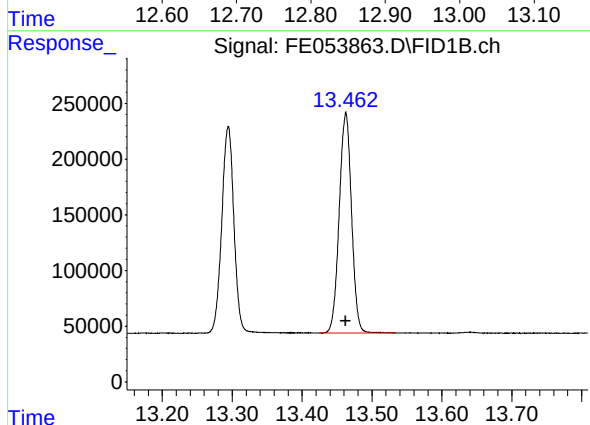
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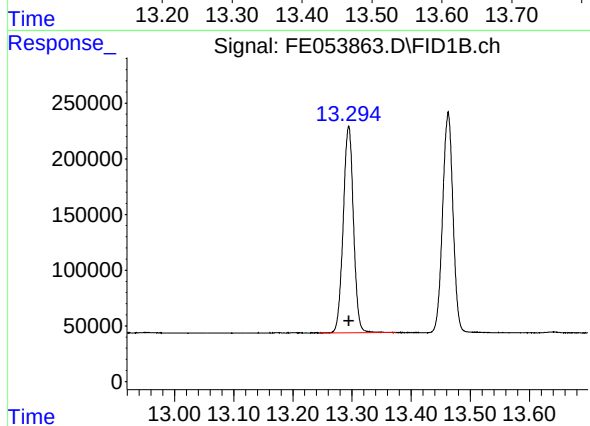
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: 0.000 min
Response: 2453049
Conc: 18.66 ug/ml



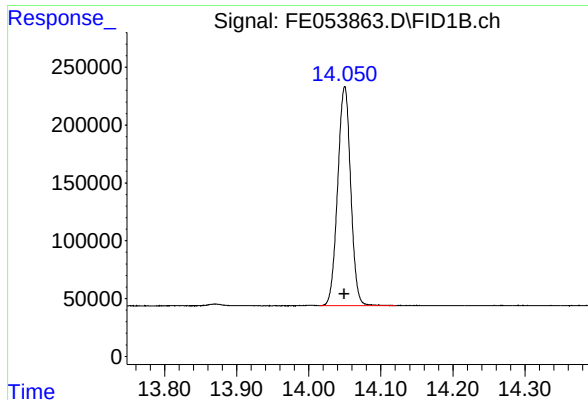
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 2416945
Conc: 18.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 2234244
Conc: 18.85 ug/ml



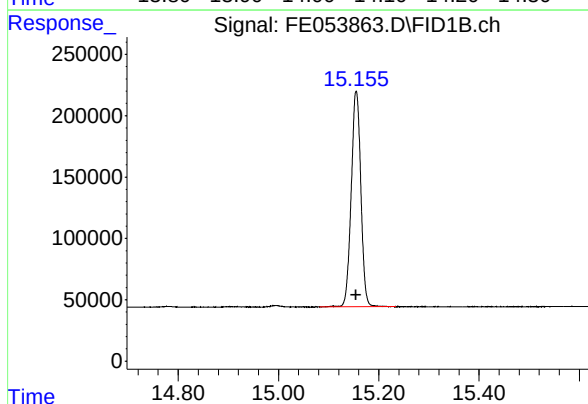
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2380856
Conc: 18.66 ug/ml

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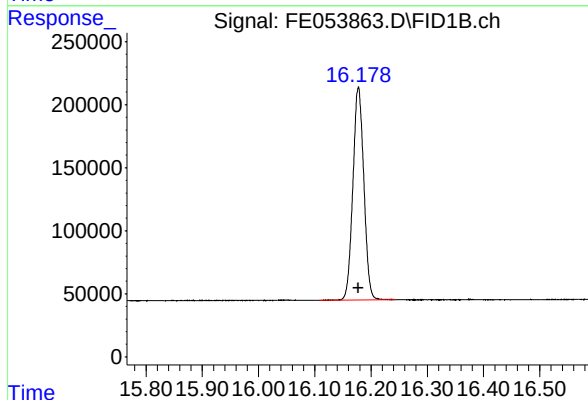
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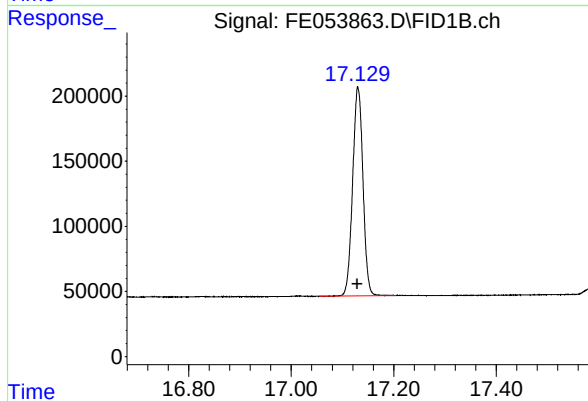
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 2335472
Conc: 18.67 ug/ml



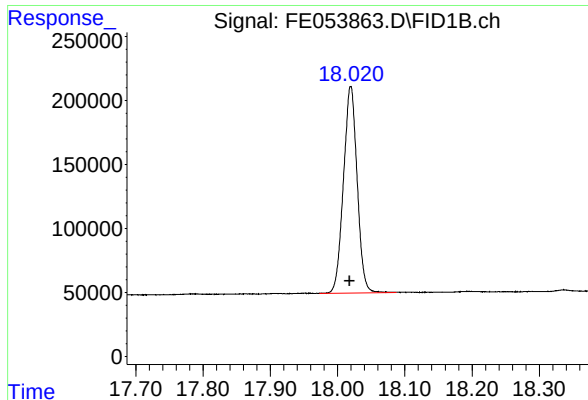
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2280248
Conc: 18.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: 0.002 min
Response: 2246733
Conc: 18.48 ug/ml



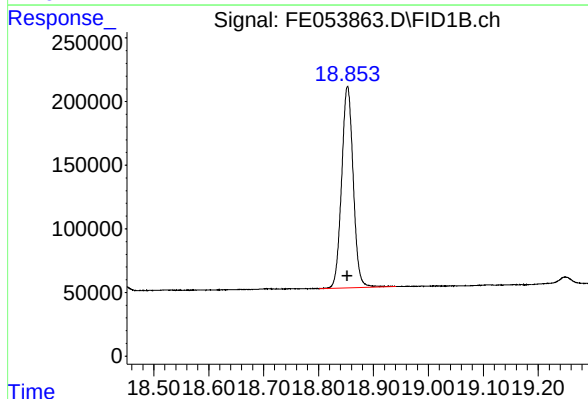
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: 0.002 min
Response: 2288521
Conc: 18.37 ug/ml

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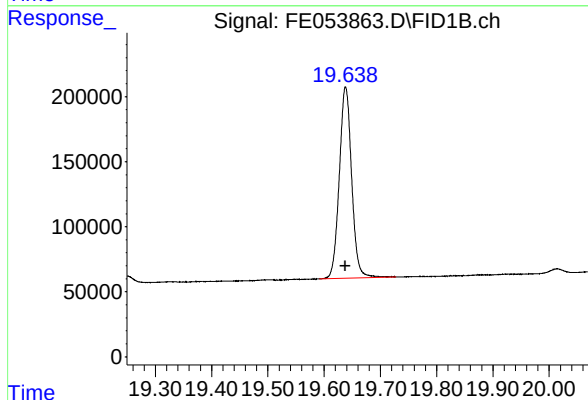
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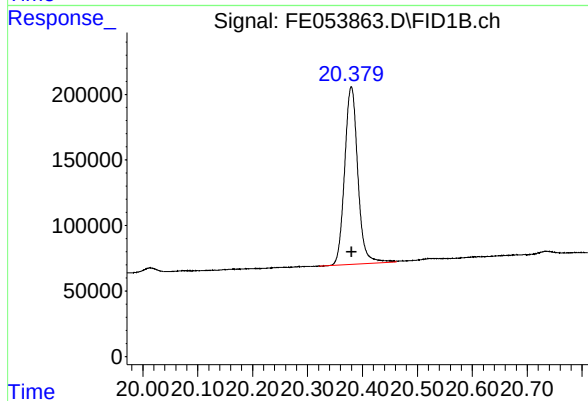
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: 0.000 min
Response: 2310702
Conc: 18.48 ug/ml



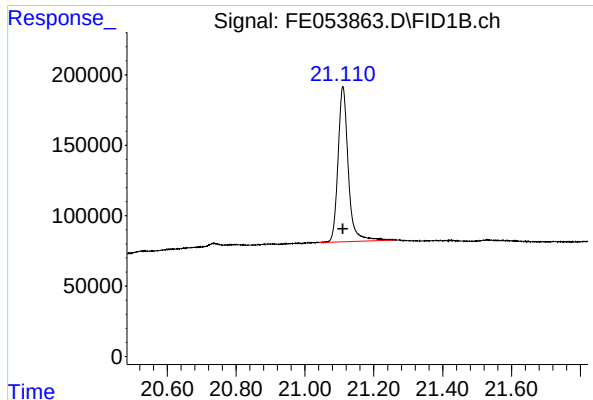
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 2240597
Conc: 18.81 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: 0.000 min
Response: 2253671
Conc: 19.46 ug/ml



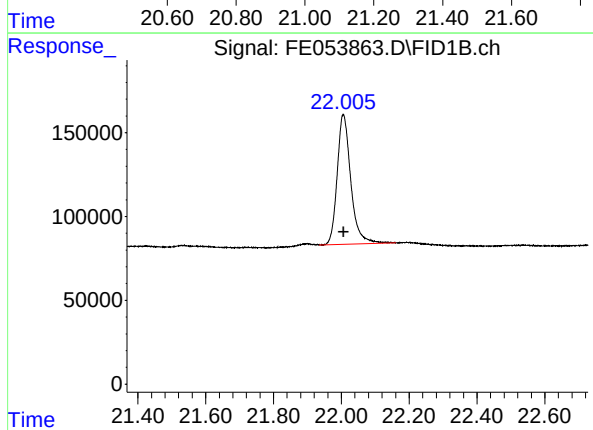
#21 n-Octatriacontane (C38)

R.T.: 21.110 min
Delta R.T.: 0.000 min
Response: 2267242
Conc: 20.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.006 min
Delta R.T.: -0.001 min
Response: 2148734
Conc: 21.65 ug/ml