

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011425AL\
 Data File : FE051923.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jan 2025 19:12
 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 01/15/2025
 Supervised By :Ankita Jodhani 01/15/2025

Integration File: autoint1.e
 Quant Time: Jan 15 01:30:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010225.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 13:43:24 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)	12.159	2813661	19.411 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
12) S 1-chlorooctadecane (S...	13.584	2199994	19.145 ug/ml
Spiked Amount 50.000		Recovery =	38.29%
Target Compounds			
1) T n-Nonane (C9)	3.574	2098838	19.002 ug/ml
2) T n-Decane (C10)	4.815	2196699	19.304 ug/ml
3) T A~Naphthalene (C11.7)	6.521	2518433	19.747 ug/ml
4) T n-Dodecane (C12)	6.965	2308798	19.660 ug/ml
5) T A~2-methylnaphthalene...	7.610	2497355	19.954 ug/ml
6) T n-Tetradecane (C14)	8.786	2392629	19.956 ug/ml
7) T n-Hexadecane (C16)	10.389	2556379	19.976 ug/ml
8) T n-Octadecane (C18)	11.830	2632886	19.786 ug/ml
10) T n-Eicosane (C20)	13.137	2564021	19.487 ug/ml
11) T n-Heneicosane (C21)	13.749	2514881	19.136 ug/ml
13) T n-Docosane (C22)	14.335	2522487	19.228 ug/ml
14) T n-Tetracosane (C24)	15.437	2527762	19.084 ug/mlm
15) T n-Hexacosane (C26)	16.454	2484054	18.932 ug/ml
16) T n-Octacosane (C28)	17.402	2461844	19.067 ug/ml
17) T n-Tricontane (C30)	18.289	2578270	19.612 ug/ml
18) T n-Dotriacontane (C32)	19.120	2470666	19.468 ug/ml
19) T n-Tetratriacontane (C34)	19.902	2240276	20.163 ug/ml
20) T n-Hexatriacontane (C36)	20.640	1880804	19.064 ug/ml
21) T n-Octatriacontane (C38)	21.426	1916731	20.244 ug/mlm
22) T n-Tetracontane (C40)	22.432	2019108	21.934 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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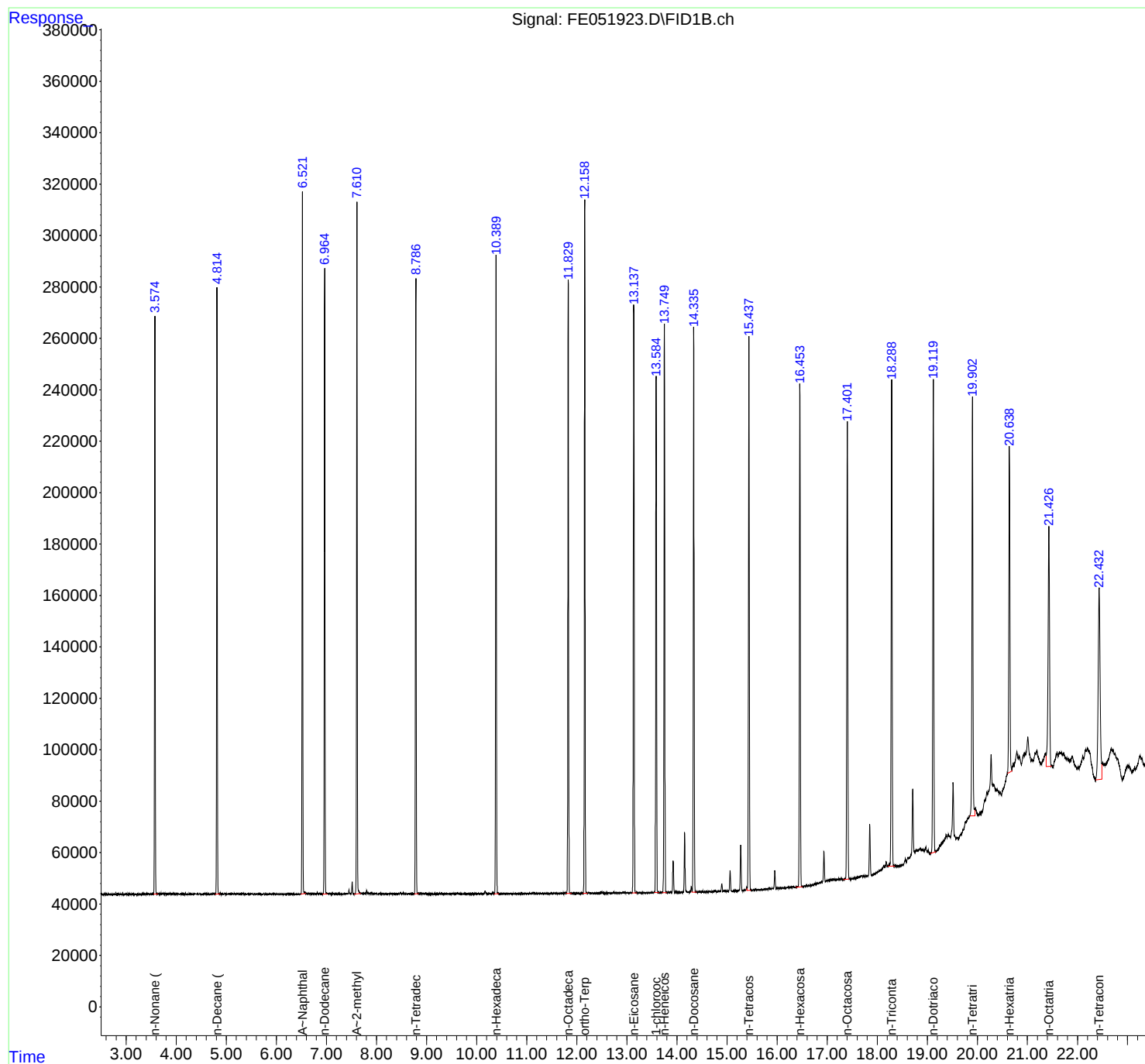
Instrument :
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20 PPM ALIPHATIC HC STD

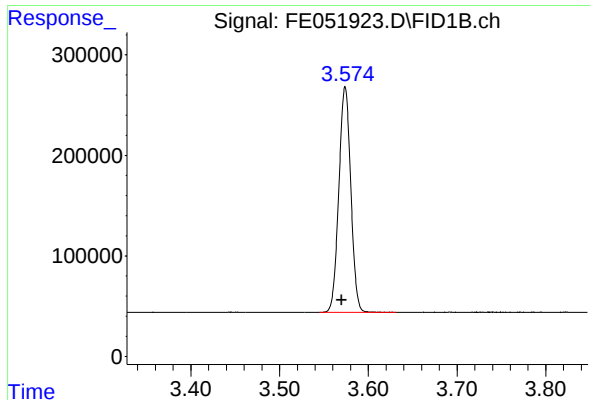
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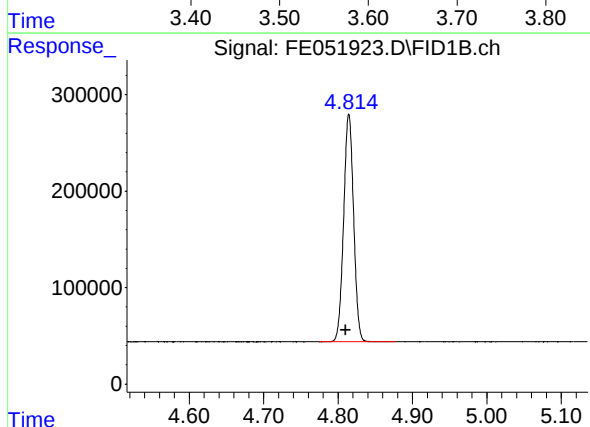
#1 n-Nonane (C9)

R.T.: 3.574 min
Delta R.T.: 0.004 min
Response: 2098838
Conc: 19.00 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

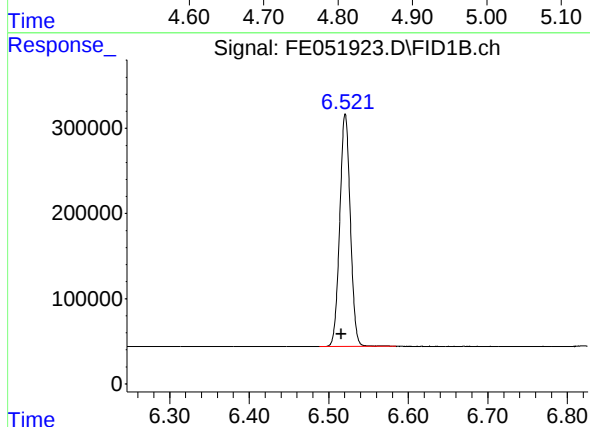
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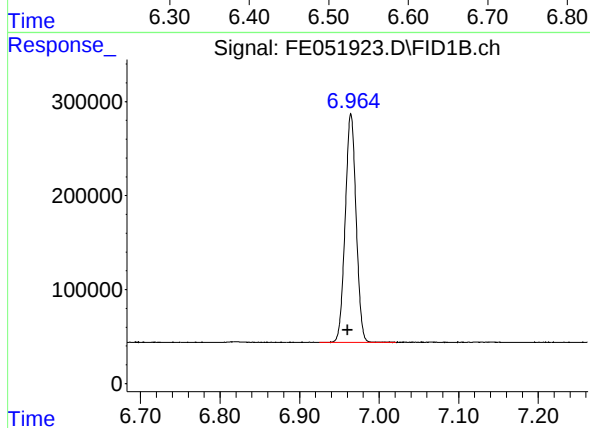
#2 n-Decane (C10)

R.T.: 4.815 min
Delta R.T.: 0.004 min
Response: 2196699
Conc: 19.30 ug/ml



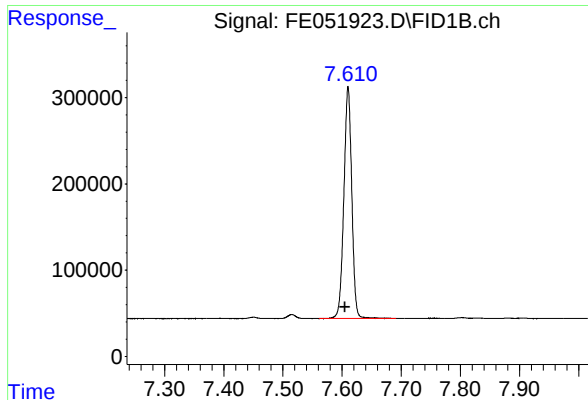
#3 A~Naphthalene (C11.7)

R.T.: 6.521 min
Delta R.T.: 0.005 min
Response: 2518433
Conc: 19.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.965 min
Delta R.T.: 0.004 min
Response: 2308798
Conc: 19.66 ug/ml



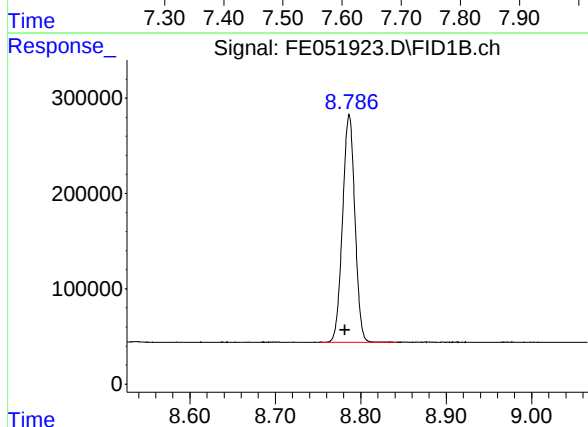
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.610 min
Delta R.T.: 0.005 min
Response: 2497355
Conc: 19.95 ug/ml

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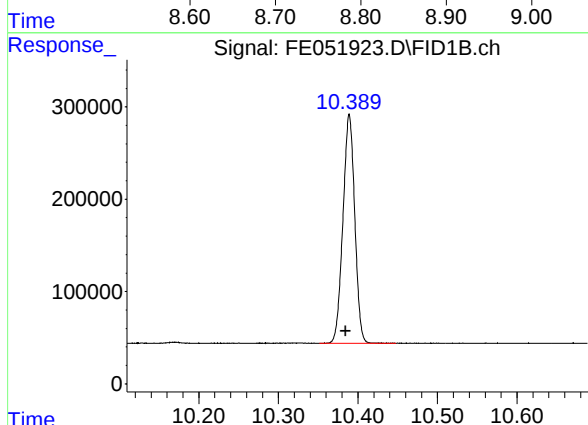
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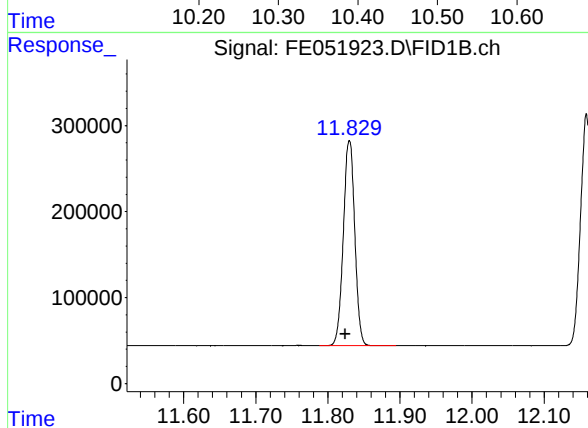
#6 n-Tetradecane (C14)

R.T.: 8.786 min
Delta R.T.: 0.005 min
Response: 2392629
Conc: 19.96 ug/ml



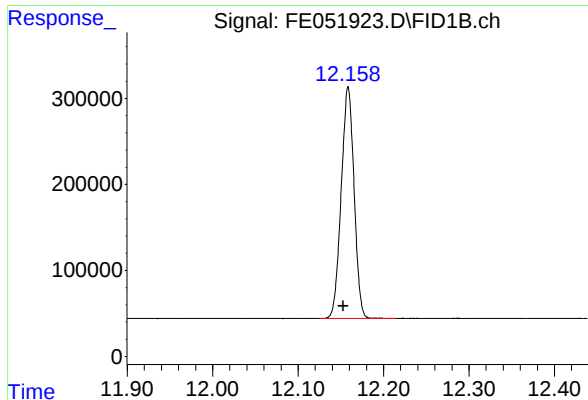
#7 n-Hexadecane (C16)

R.T.: 10.389 min
Delta R.T.: 0.005 min
Response: 2556379
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.830 min
Delta R.T.: 0.005 min
Response: 2632886
Conc: 19.79 ug/ml



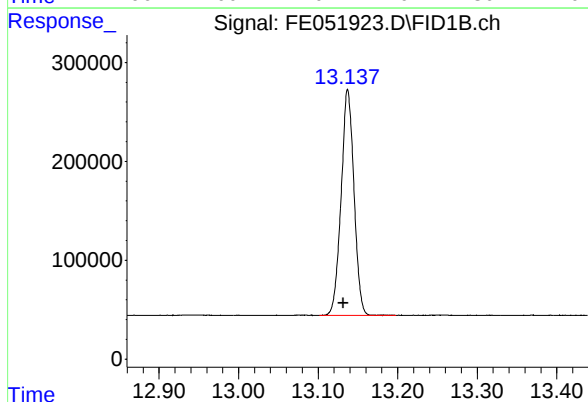
#9 ortho-Terphenyl (SURR)

R.T.: 12.159 min
Delta R.T.: 0.006 min
Response: 2813661
Conc: 19.41 ug/ml

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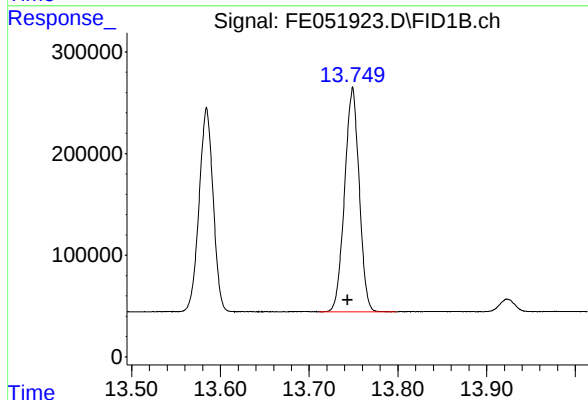
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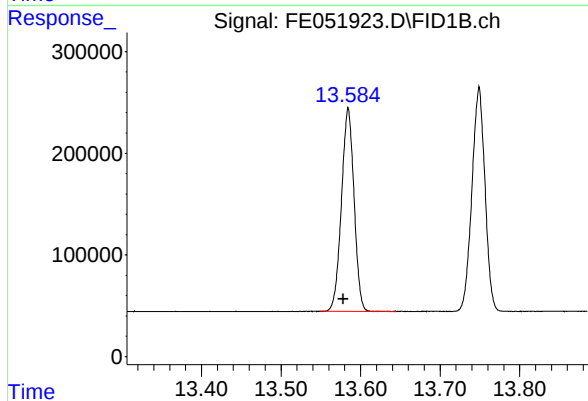
#10 n-Eicosane (C20)

R.T.: 13.137 min
Delta R.T.: 0.006 min
Response: 2564021
Conc: 19.49 ug/ml



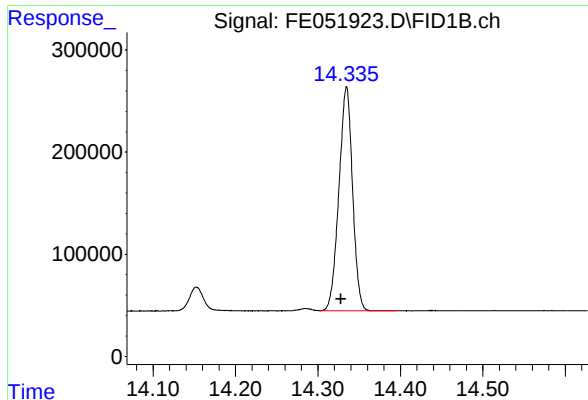
#11 n-Heneicosane (C21)

R.T.: 13.749 min
Delta R.T.: 0.006 min
Response: 2514881
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.584 min
Delta R.T.: 0.006 min
Response: 2199994
Conc: 19.15 ug/ml



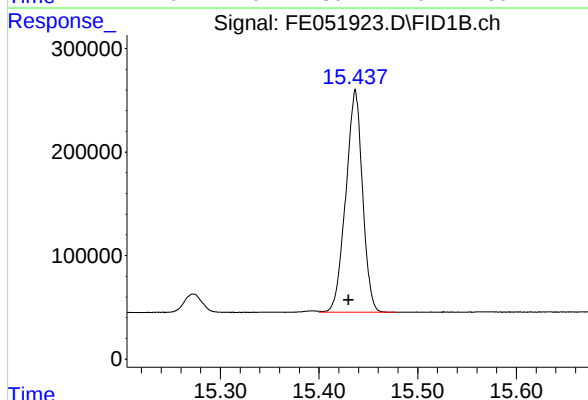
#13 n-Docosane (C22)

R.T.: 14.335 min
Delta R.T.: 0.007 min
Response: 2522487
Conc: 19.23 ug/ml

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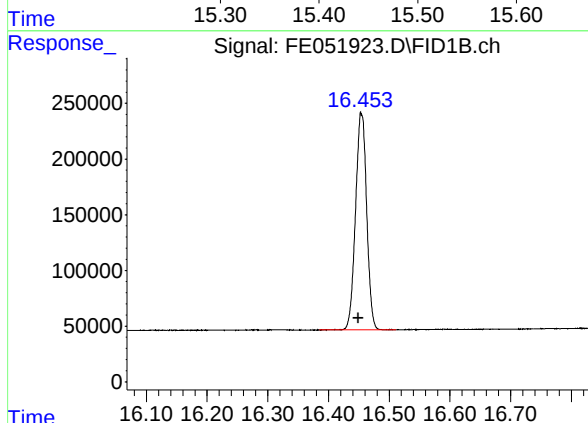
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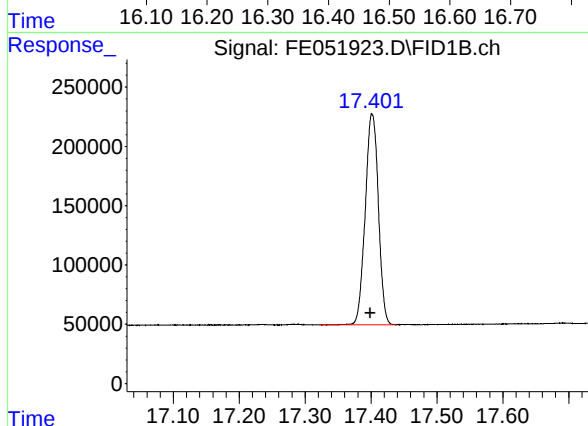
#14 n-Tetracosane (C24)

R.T.: 15.437 min
Delta R.T.: 0.007 min
Response: 2527762
Conc: 19.08 ug/ml



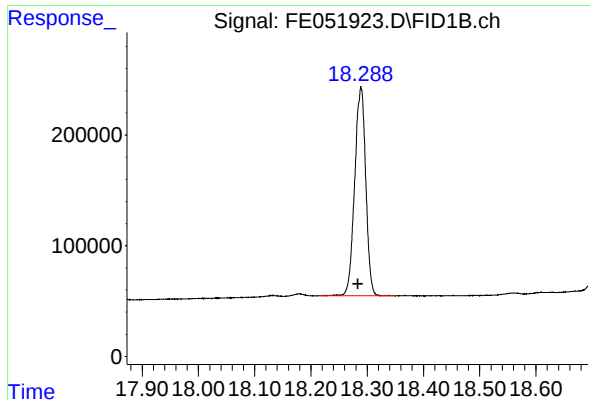
#15 n-Hexacosane (C26)

R.T.: 16.454 min
Delta R.T.: 0.005 min
Response: 2484054
Conc: 18.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.402 min
Delta R.T.: 0.003 min
Response: 2461844
Conc: 19.07 ug/ml



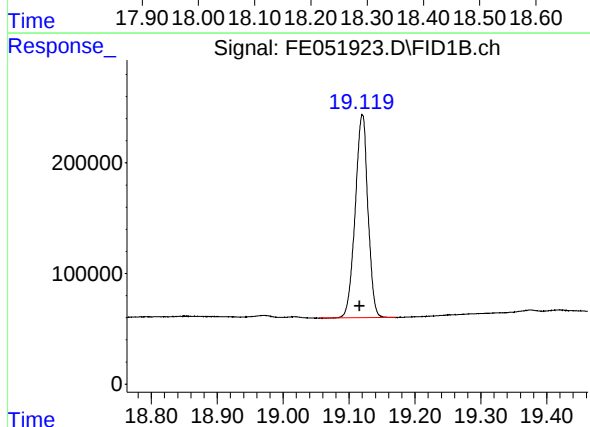
#17 n-Tricontane (C30)

R.T.: 18.289 min
Delta R.T.: 0.005 min
Response: 2578270
Conc: 19.61 ug/ml

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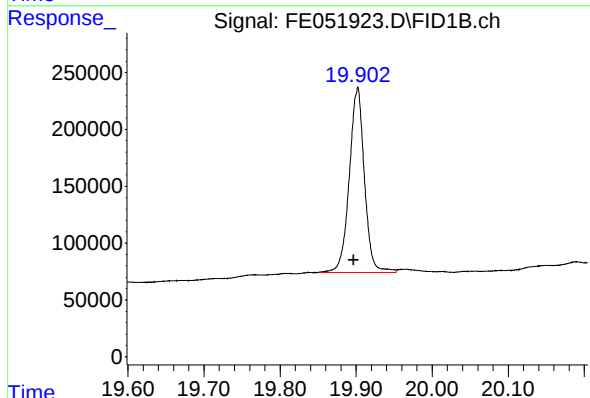
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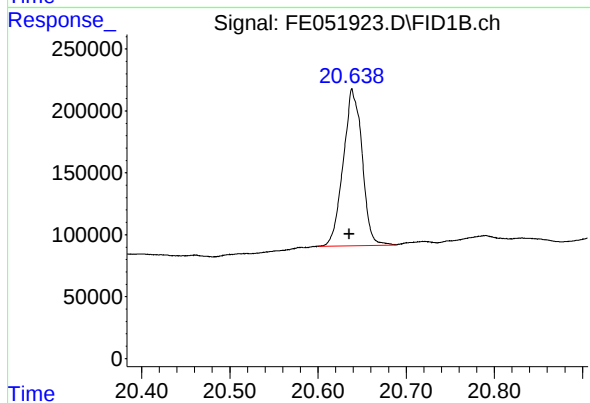
#18 n-Dotriacontane (C32)

R.T.: 19.120 min
Delta R.T.: 0.004 min
Response: 2470666
Conc: 19.47 ug/ml



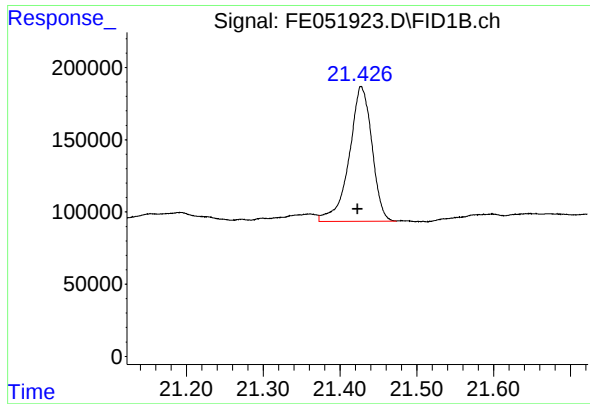
#19 n-Tetratriacontane (C34)

R.T.: 19.902 min
Delta R.T.: 0.005 min
Response: 2240276
Conc: 20.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.640 min
Delta R.T.: 0.004 min
Response: 1880804
Conc: 19.06 ug/ml



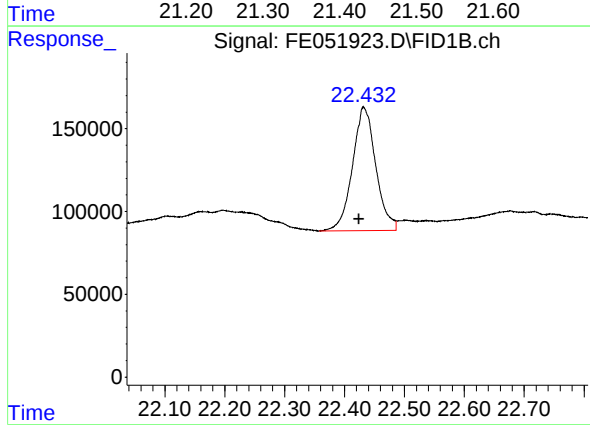
#21 n-Octatriacontane (C38)

R.T.: 21.426 min
Delta R.T.: 0.003 min
Response: 1916731
Conc: 20.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.432 min
Delta R.T.: 0.008 min
Response: 2019108
Conc: 21.93 ug/ml m