

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010825AL\
 Data File : FE051879.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jan 2025 21:46
 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 01/09/2025
 Supervised By :Ankita Jodhani 01/09/2025

Integration File: autoint1.e
 Quant Time: Jan 08 23:03:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 010225.M
 Quant Title : GC Extractables
 QLast Update : Fri Jan 03 04:14:12 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)	12.143	2692177	18.573 ug/ml
Spiked Amount 50.000		Recovery =	37.15%
12) S 1-chlorooctadecane (S...	13.569	2082123	18.120 ug/ml
Spiked Amount 50.000		Recovery =	36.24%
Target Compounds			
1) T n-Nonane (C9)	3.555	2077353	18.808 ug/ml
2) T n-Decane (C10)	4.797	2174895	19.113 ug/ml
3) T A~Naphthalene (C11.7)	6.503	2482703	19.467 ug/ml
4) T n-Dodecane (C12)	6.949	2278551	19.403 ug/ml
5) T A~2-methylnaphthalene...	7.593	2446118	19.544 ug/ml
6) T n-Tetradecane (C14)	8.771	2328611	19.422 ug/ml
7) T n-Hexadecane (C16)	10.375	2454946	19.184 ug/ml
8) T n-Octadecane (C18)	11.815	2502273	18.805 ug/ml
10) T n-Eicosane (C20)	13.123	2418680	18.382 ug/ml
11) T n-Heneicosane (C21)	13.735	2374760	18.070 ug/ml
13) T n-Docosane (C22)	14.321	2375155	18.105 ug/ml
14) T n-Tetracosane (C24)	15.422	2390669	18.049 ug/ml
15) T n-Hexacosane (C26)	16.441	2344192	17.866 ug/ml
16) T n-Octacosane (C28)	17.389	2317531	17.949 ug/ml
17) T n-Tricontane (C30)	18.276	2420721	18.414 ug/ml
18) T n-Dotriacontane (C32)	19.107	2290855	18.051 ug/ml
19) T n-Tetratriacontane (C34)	19.890	2012767	18.115 ug/ml
20) T n-Hexatriacontane (C36)	20.627	1754152	17.780 ug/ml
21) T n-Octatriacontane (C38)	21.414	1719747	18.164 ug/ml
22) T n-Tetracontane (C40)	22.411	1897738	20.616 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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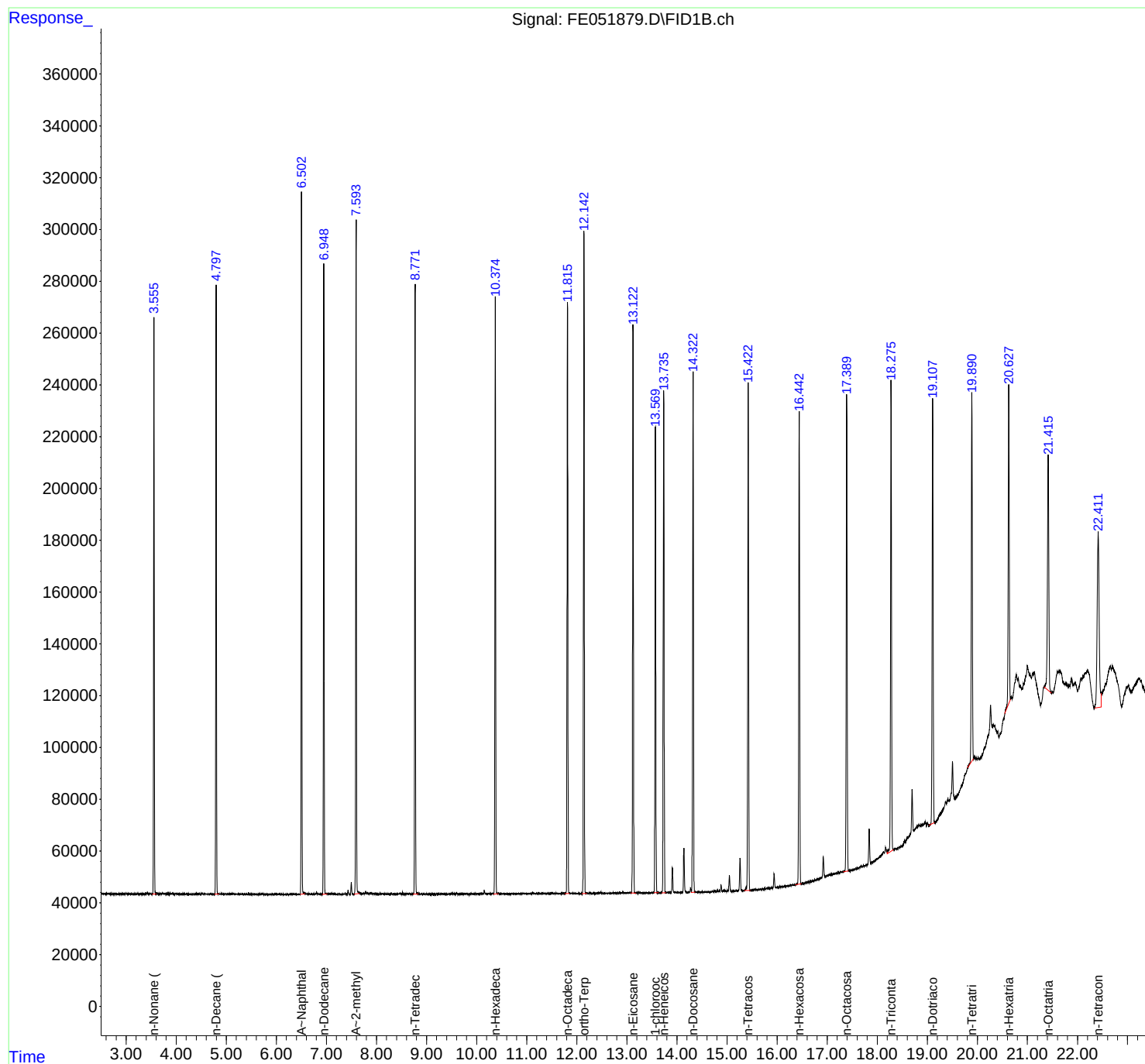
Instrument :
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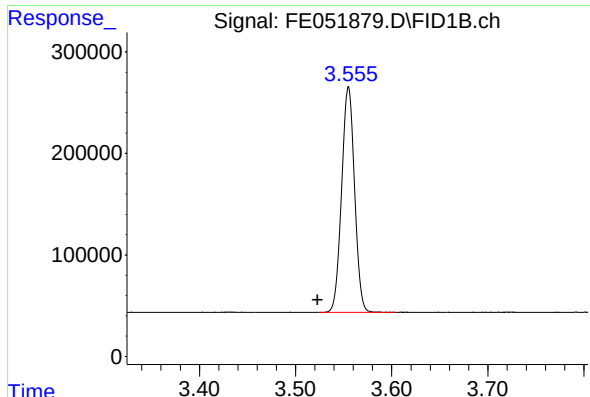
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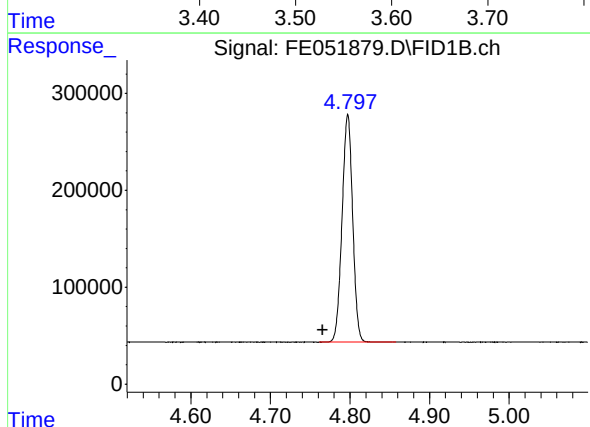
#1 n-Nonane (C9)

R.T.: 3.555 min
Delta R.T.: 0.032 min
Response: 2077353
Conc: 18.81 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

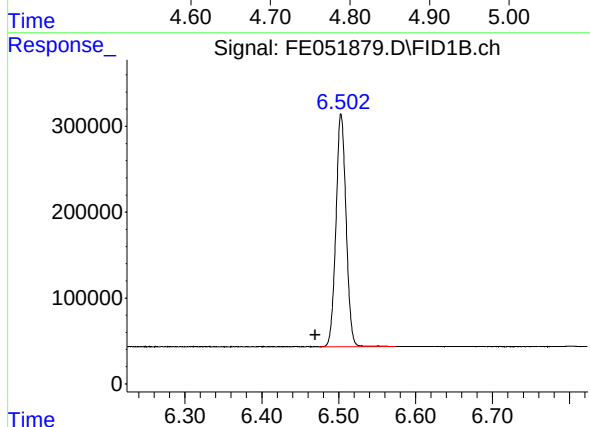
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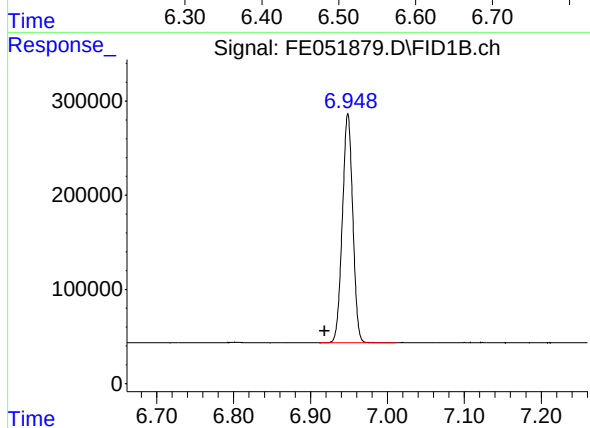
#2 n-Decane (C10)

R.T.: 4.797 min
Delta R.T.: 0.032 min
Response: 2174895
Conc: 19.11 ug/ml



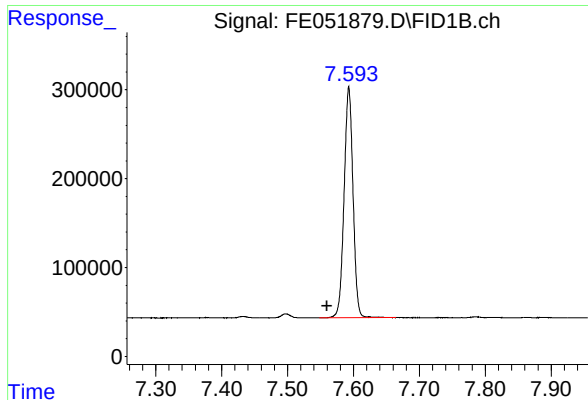
#3 A~Naphthalene (C11.7)

R.T.: 6.503 min
Delta R.T.: 0.034 min
Response: 2482703
Conc: 19.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.949 min
Delta R.T.: 0.030 min
Response: 2278551
Conc: 19.40 ug/ml



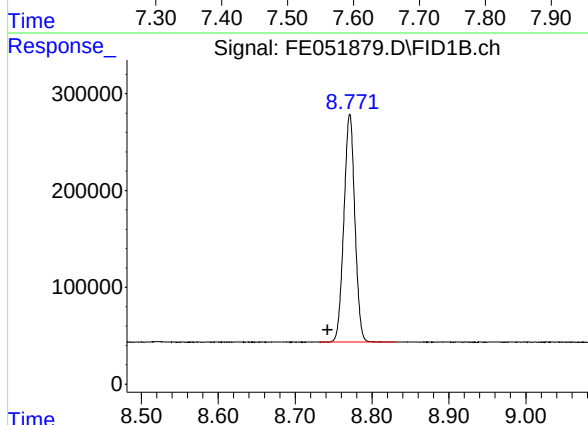
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.593 min
Delta R.T.: 0.033 min
Response: 2446118
Conc: 19.54 ug/ml

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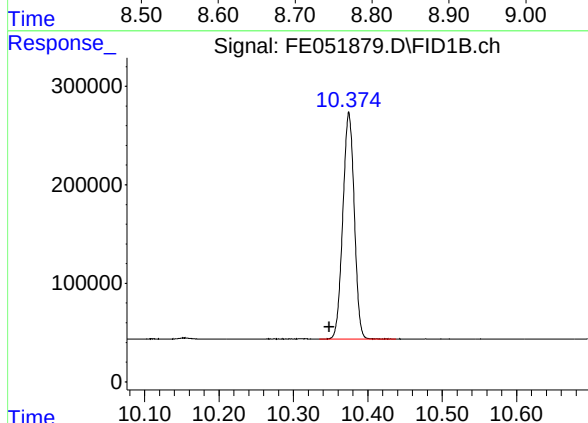
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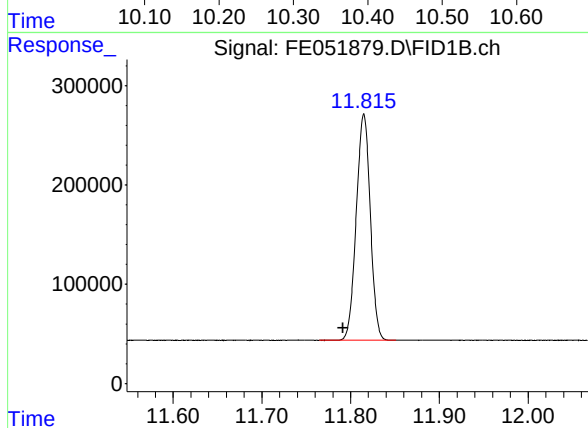
#6 n-Tetradecane (C14)

R.T.: 8.771 min
Delta R.T.: 0.029 min
Response: 2328611
Conc: 19.42 ug/ml



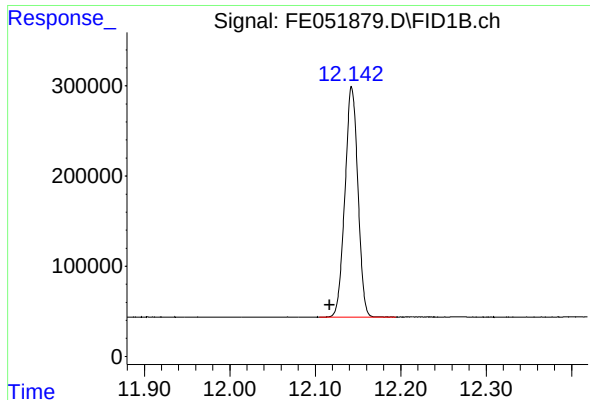
#7 n-Hexadecane (C16)

R.T.: 10.375 min
Delta R.T.: 0.026 min
Response: 2454946
Conc: 19.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.815 min
Delta R.T.: 0.023 min
Response: 2502273
Conc: 18.80 ug/ml



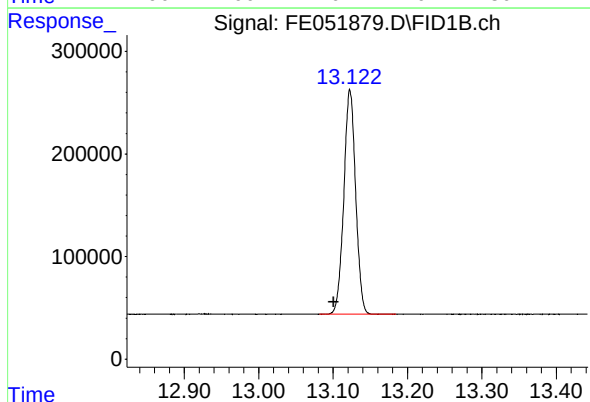
#9 ortho-Terphenyl (SURR)

R.T.: 12.143 min
Delta R.T.: 0.026 min
Response: 2692177
Conc: 18.57 ug/ml

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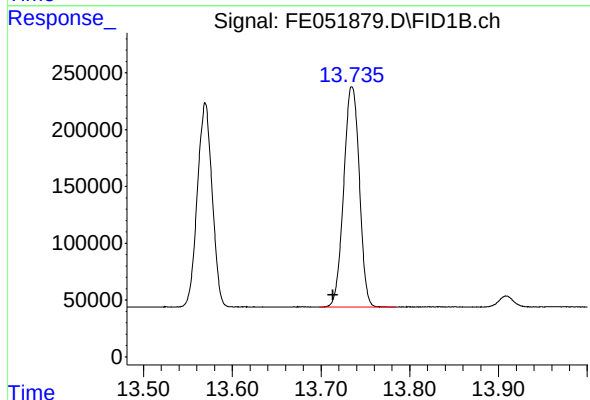
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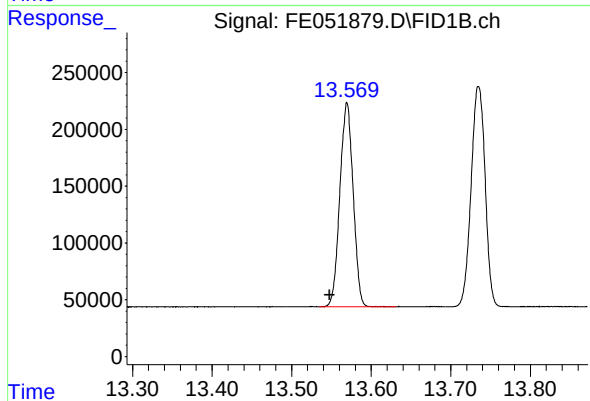
#10 n-Eicosane (C20)

R.T.: 13.123 min
Delta R.T.: 0.022 min
Response: 2418680
Conc: 18.38 ug/ml



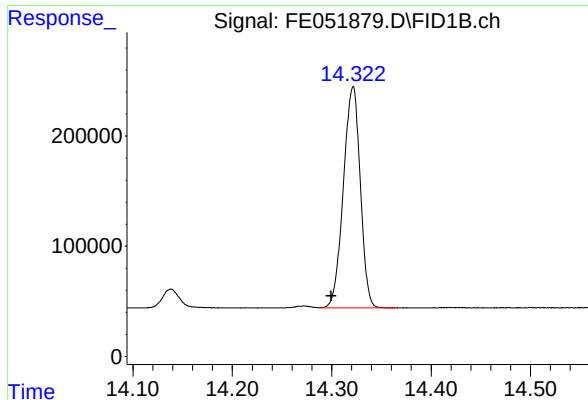
#11 n-Heneicosane (C21)

R.T.: 13.735 min
Delta R.T.: 0.022 min
Response: 2374760
Conc: 18.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.569 min
Delta R.T.: 0.022 min
Response: 2082123
Conc: 18.12 ug/ml



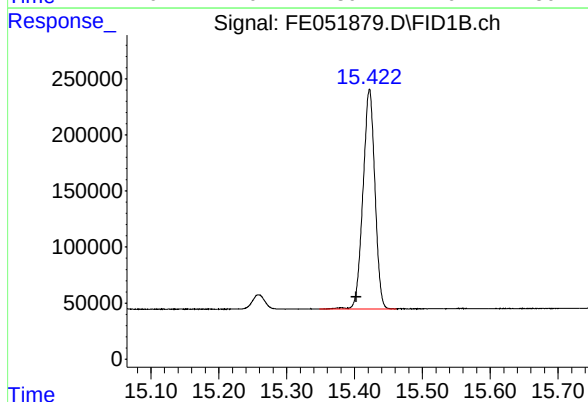
#13 n-Docosane (C22)

R.T.: 14.321 min
Delta R.T.: 0.022 min
Response: 2375155
Conc: 18.10 ug/ml

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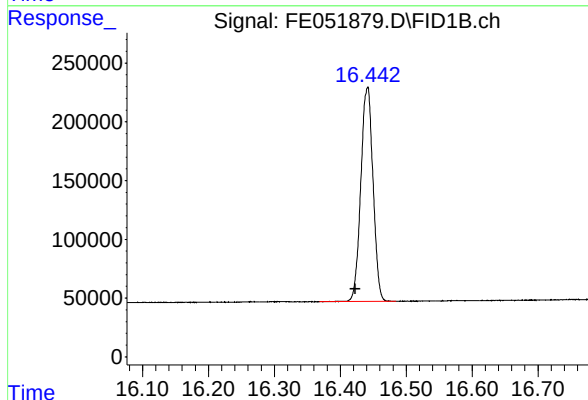
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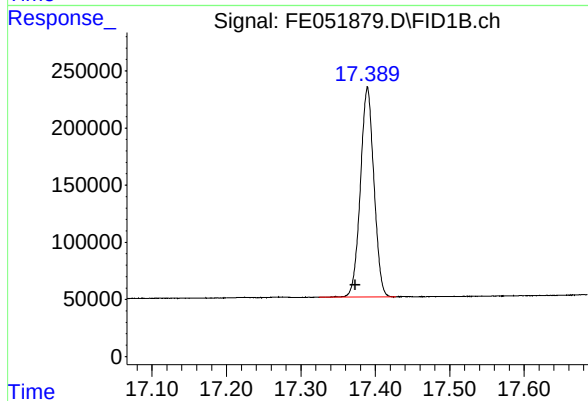
#14 n-Tetracosane (C24)

R.T.: 15.422 min
Delta R.T.: 0.020 min
Response: 2390669
Conc: 18.05 ug/ml



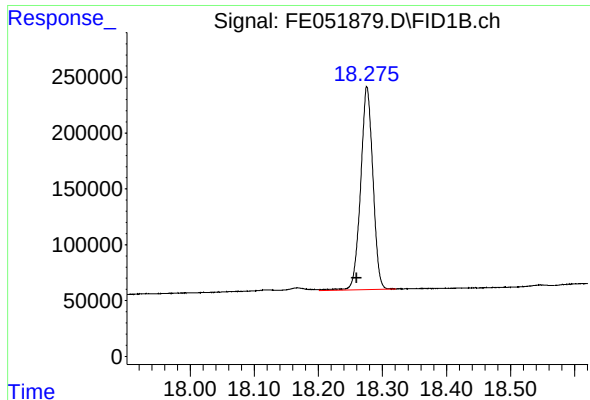
#15 n-Hexacosane (C26)

R.T.: 16.441 min
Delta R.T.: 0.018 min
Response: 2344192
Conc: 17.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.389 min
Delta R.T.: 0.016 min
Response: 2317531
Conc: 17.95 ug/ml



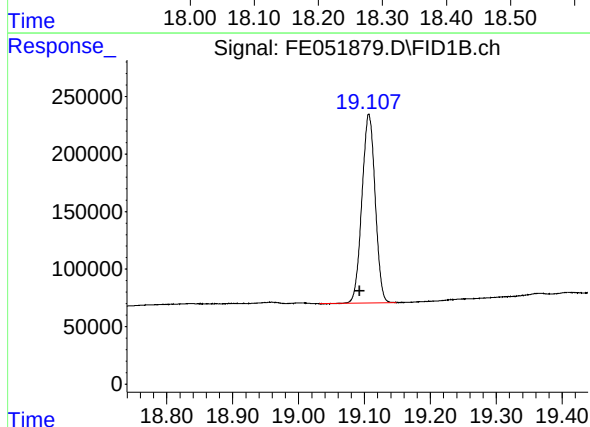
#17 n-Tricontane (C30)

R.T.: 18.276 min
Delta R.T.: 0.016 min
Response: 2420721
Conc: 18.41 ug/ml

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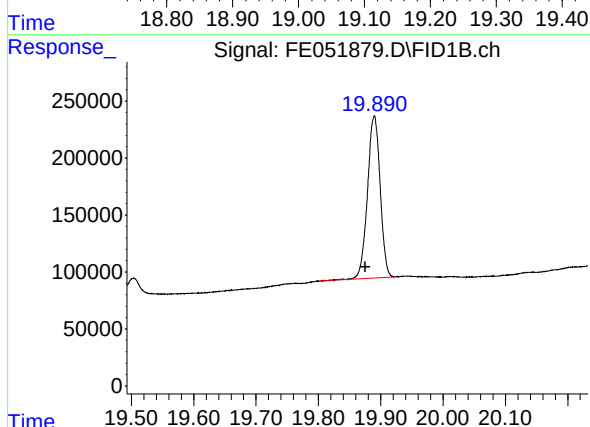
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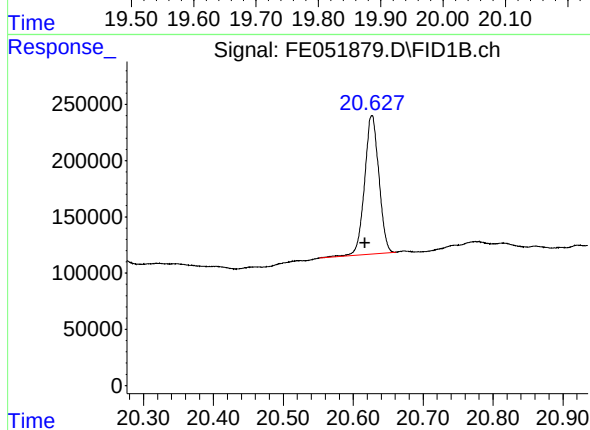
#18 n-Dotriacontane (C32)

R.T.: 19.107 min
Delta R.T.: 0.014 min
Response: 2290855
Conc: 18.05 ug/ml



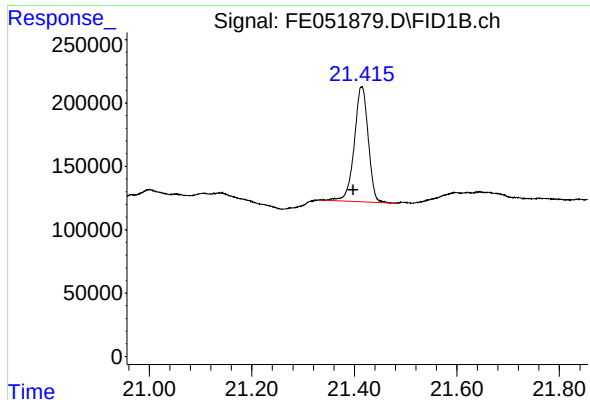
#19 n-Tetratriacontane (C34)

R.T.: 19.890 min
Delta R.T.: 0.014 min
Response: 2012767
Conc: 18.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.627 min
Delta R.T.: 0.010 min
Response: 1754152
Conc: 17.78 ug/ml



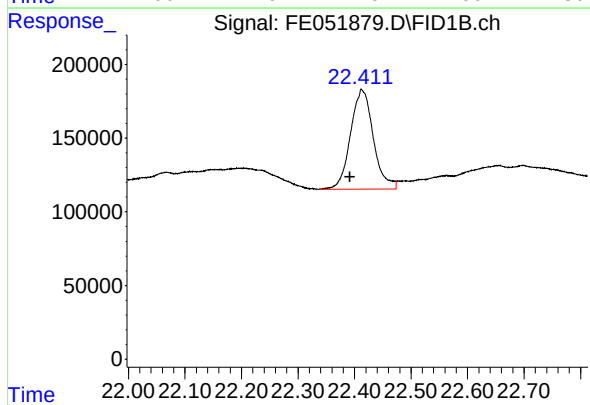
#21 n-Octatriacontane (C38)

R.T.: 21.414 min
Delta R.T.: 0.016 min
Response: 1719747
Conc: 18.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.411 min
Delta R.T.: 0.019 min
Response: 1897738
Conc: 20.62 ug/ml m