

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010625AL\
 Data File : FE051851.D
 Signal(s) : FID1B.ch
 Acq On : 06 Jan 2025 18:44
 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 01/07/2025
 Supervised By :Ankita Jodhani 01/07/2025

Integration File: autoint1.e
 Quant Time: Jan 07 00:31:09 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)	12.126	2891946	19.951 ug/ml
Spiked Amount 50.000		Recovery =	39.90%
12) S 1-chlorooctadecane (S...	13.555	2275452	19.802 ug/ml
Spiked Amount 50.000		Recovery =	39.60%
Target Compounds			
1) T n-Nonane (C9)	3.531	2140980	19.384 ug/ml
2) T n-Decane (C10)	4.774	2231911	19.614 ug/ml
3) T A~Naphthalene (C11.7)	6.479	2549028	19.987 ug/ml
4) T n-Dodecane (C12)	6.927	2344207	19.962 ug/ml
5) T A~2-methylnaphthalene...	7.570	2525277	20.177 ug/ml
6) T n-Tetradecane (C14)	8.751	2420900	20.191 ug/ml
7) T n-Hexadecane (C16)	10.357	2589856	20.238 ug/ml
8) T n-Octadecane (C18)	11.799	2684981	20.178 ug/ml
10) T n-Eicosane (C20)	13.109	2631168	19.997 ug/ml
11) T n-Heneicosane (C21)	13.721	2603641	19.811 ug/ml
13) T n-Docosane (C22)	14.307	2597717	19.801 ug/ml
14) T n-Tetracosane (C24)	15.409	2593990	19.584 ug/ml
15) T n-Hexacosane (C26)	16.430	2513499	19.156 ug/ml
16) T n-Octacosane (C28)	17.377	2437790	18.881 ug/mlm
17) T n-Tricontane (C30)	18.267	2551604	19.410 ug/ml
18) T n-Dotriacontane (C32)	19.098	2370722	18.681 ug/ml
19) T n-Tetratriacontane (C34)	19.880	2165816	19.493 ug/ml
20) T n-Hexatriacontane (C36)	20.620	2084365	21.127 ug/ml
21) T n-Octatriacontane (C38)	21.404	1914478	20.221 ug/ml
22) T n-Tetracontane (C40)	22.400	1929422	20.960 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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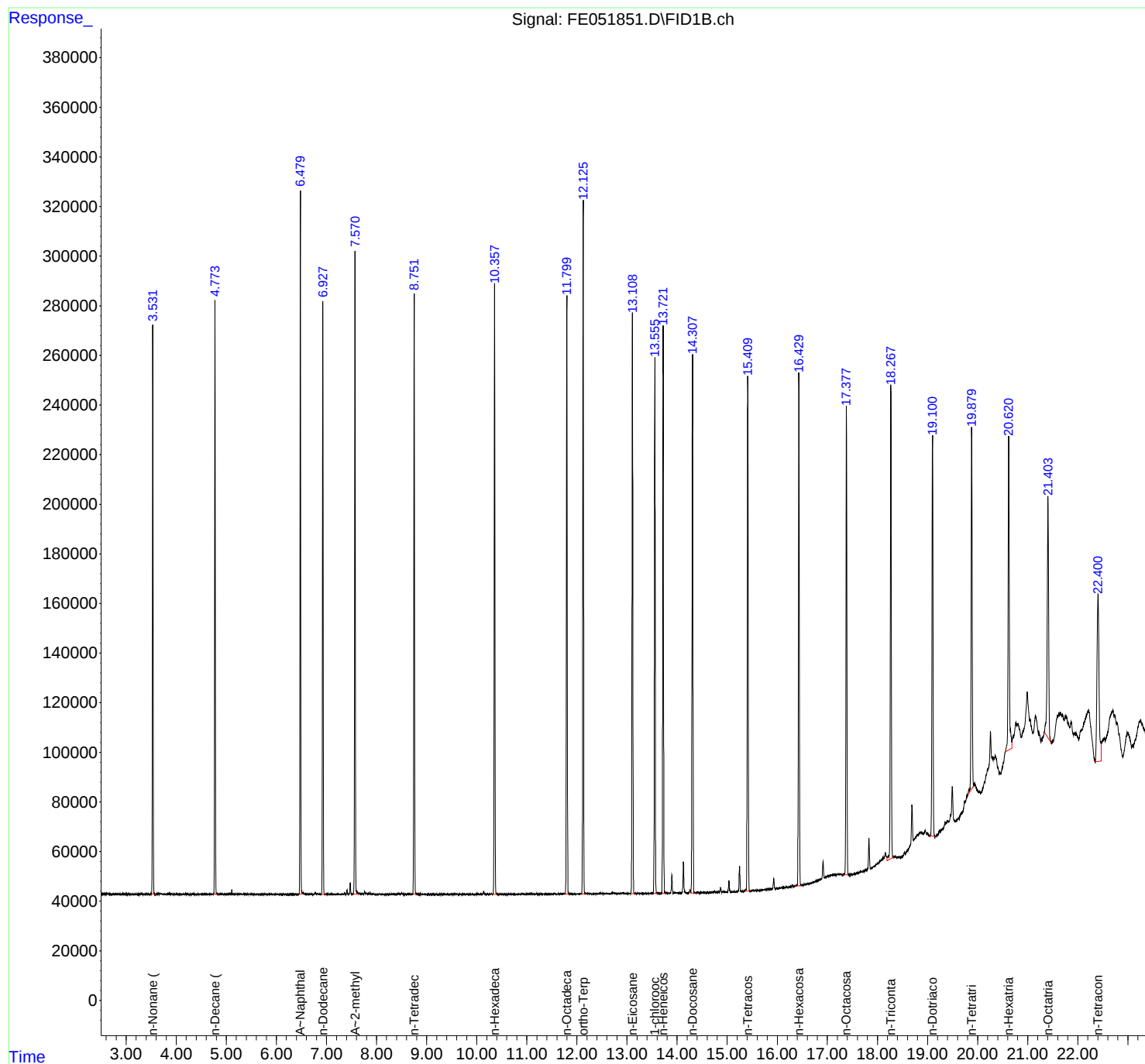
Instrument :
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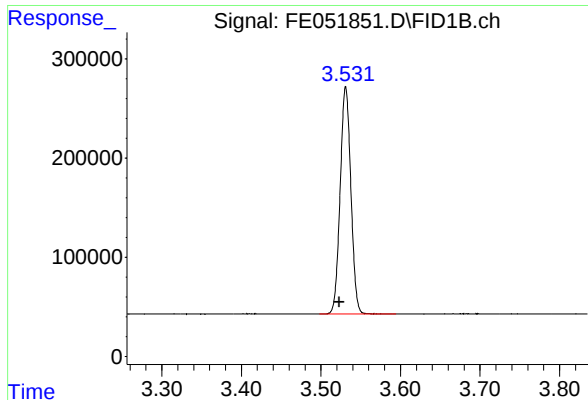
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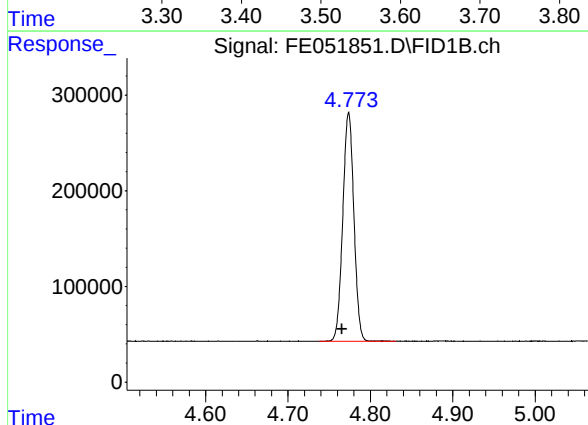
#1 n-Nonane (C9)

R.T.: 3.531 min
Delta R.T.: 0.008 min
Response: 2140980
Conc: 19.38 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

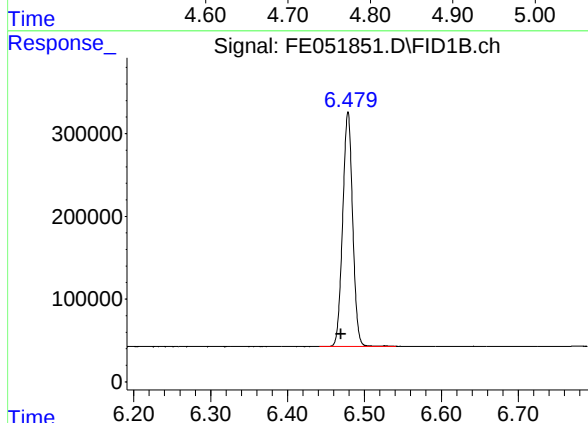
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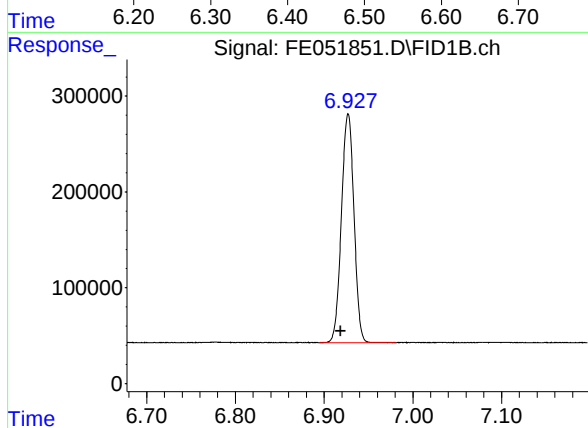
#2 n-Decane (C10)

R.T.: 4.774 min
Delta R.T.: 0.008 min
Response: 2231911
Conc: 19.61 ug/ml



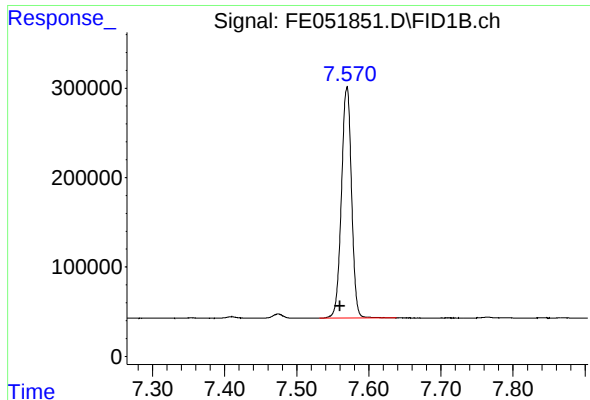
#3 A~Naphthalene (C11.7)

R.T.: 6.479 min
Delta R.T.: 0.009 min
Response: 2549028
Conc: 19.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.927 min
Delta R.T.: 0.009 min
Response: 2344207
Conc: 19.96 ug/ml



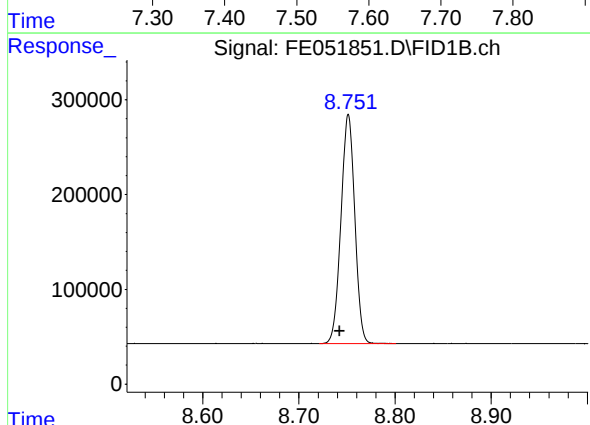
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.570 min
Delta R.T.: 0.010 min
Response: 2525277
Conc: 20.18 ug/ml

Instrument : FID_E
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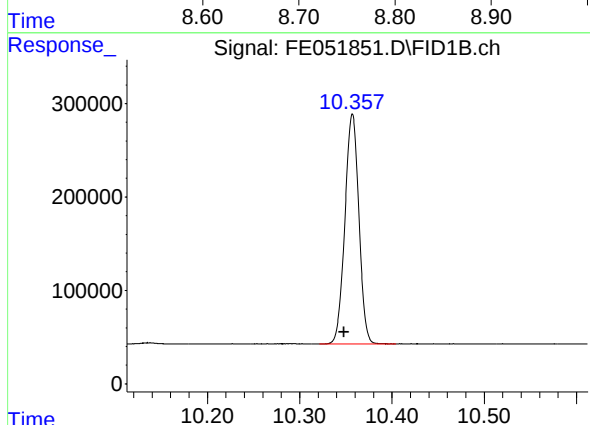
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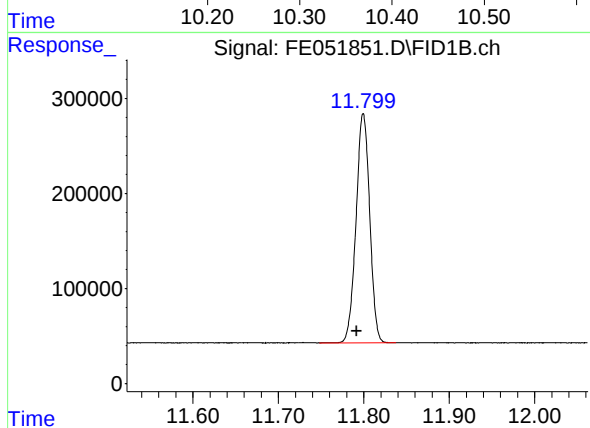
#6 n-Tetradecane (C14)

R.T.: 8.751 min
Delta R.T.: 0.009 min
Response: 2420900
Conc: 20.19 ug/ml



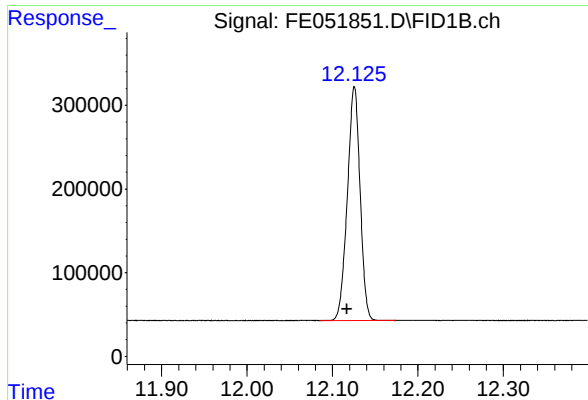
#7 n-Hexadecane (C16)

R.T.: 10.357 min
Delta R.T.: 0.009 min
Response: 2589856
Conc: 20.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.799 min
Delta R.T.: 0.008 min
Response: 2684981
Conc: 20.18 ug/ml



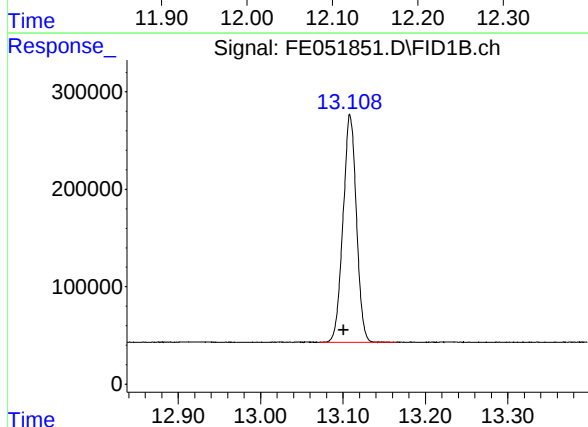
#9 ortho-Terphenyl (SURR)

R.T.: 12.126 min
Delta R.T.: 0.009 min
Response: 2891946
Conc: 19.95 ug/ml

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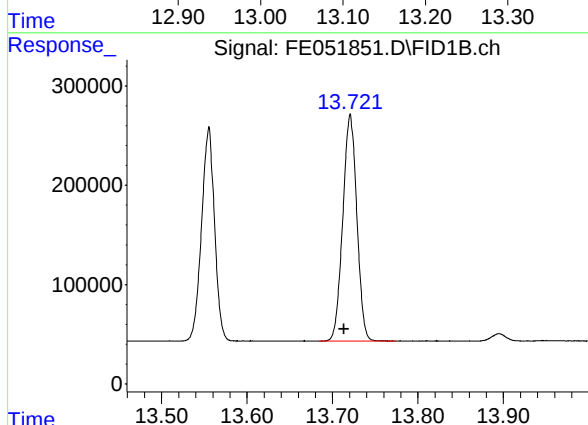
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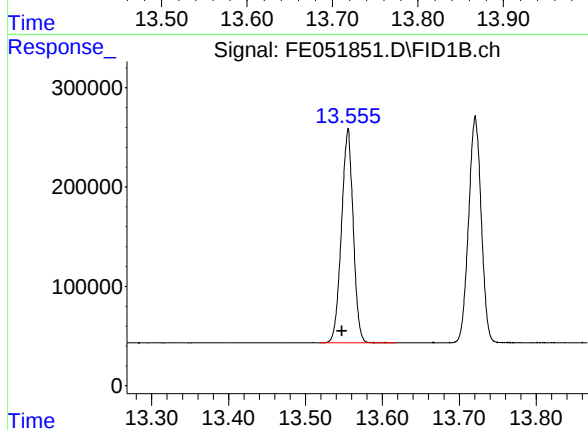
#10 n-Eicosane (C20)

R.T.: 13.109 min
Delta R.T.: 0.008 min
Response: 2631168
Conc: 20.00 ug/ml



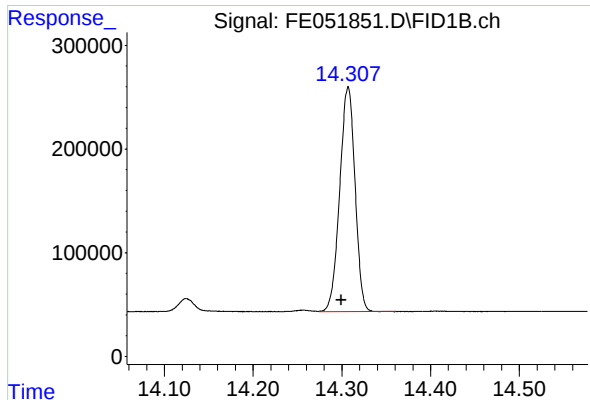
#11 n-Heneicosane (C21)

R.T.: 13.721 min
Delta R.T.: 0.007 min
Response: 2603641
Conc: 19.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.555 min
Delta R.T.: 0.007 min
Response: 2275452
Conc: 19.80 ug/ml



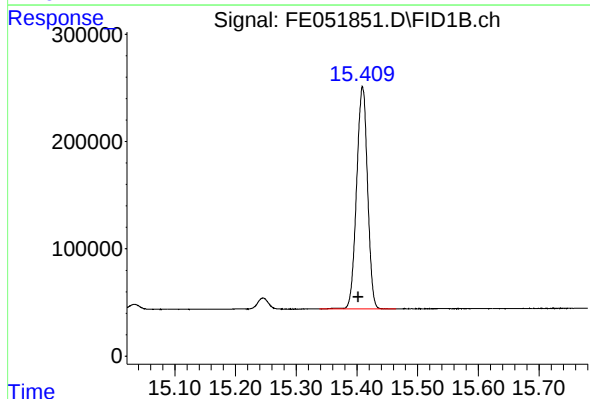
#13 n-Docosane (C22)

R.T.: 14.307 min
Delta R.T.: 0.007 min
Response: 2597717
Conc: 19.80 ug/ml

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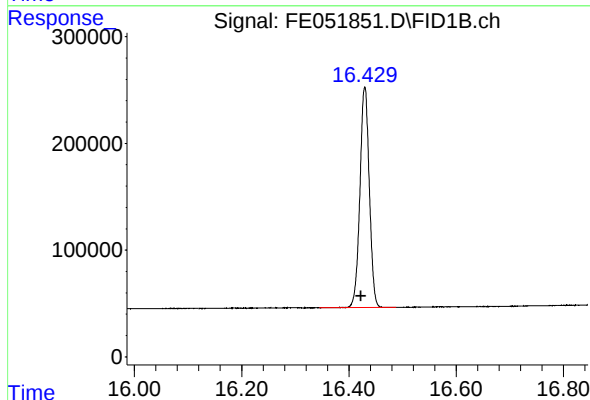
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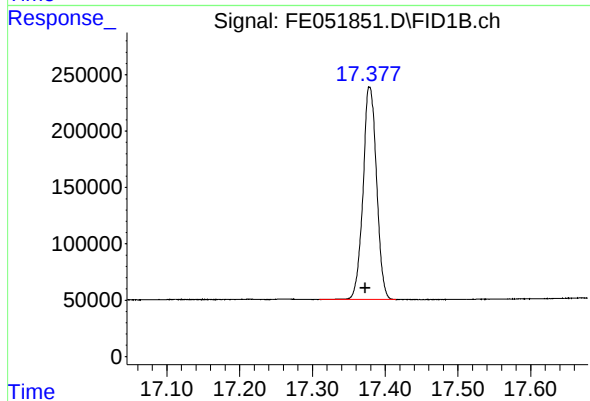
#14 n-Tetracosane (C24)

R.T.: 15.409 min
Delta R.T.: 0.007 min
Response: 2593990
Conc: 19.58 ug/ml



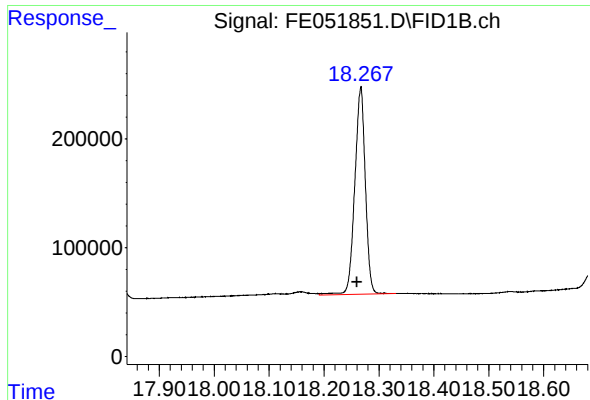
#15 n-Hexacosane (C26)

R.T.: 16.430 min
Delta R.T.: 0.007 min
Response: 2513499
Conc: 19.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.377 min
Delta R.T.: 0.004 min
Response: 2437790
Conc: 18.88 ug/ml m



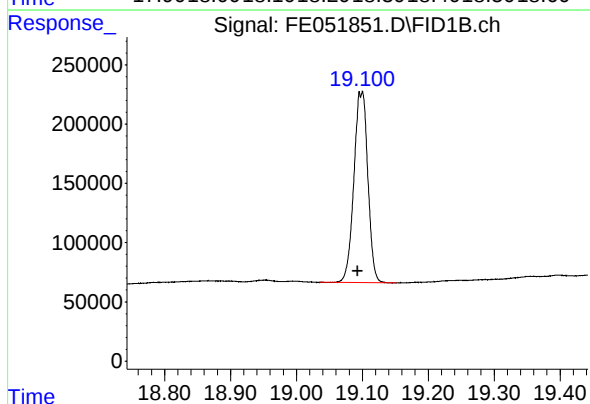
#17 n-Tricontane (C30)

R.T.: 18.267 min
Delta R.T.: 0.007 min
Response: 2551604
Conc: 19.41 ug/ml

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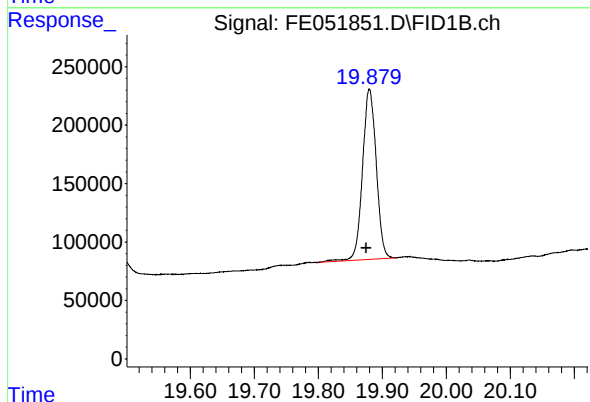
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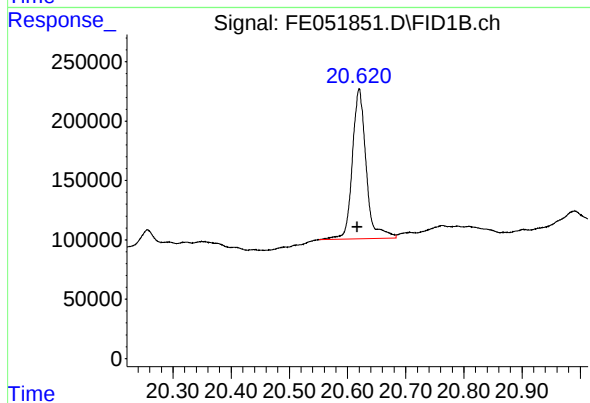
#18 n-Dotriacontane (C32)

R.T.: 19.098 min
Delta R.T.: 0.006 min
Response: 2370722
Conc: 18.68 ug/ml



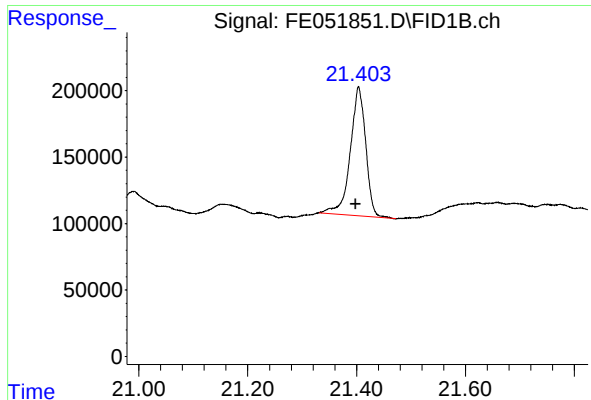
#19 n-Tetratriacontane (C34)

R.T.: 19.880 min
Delta R.T.: 0.005 min
Response: 2165816
Conc: 19.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.620 min
Delta R.T.: 0.004 min
Response: 2084365
Conc: 21.13 ug/ml



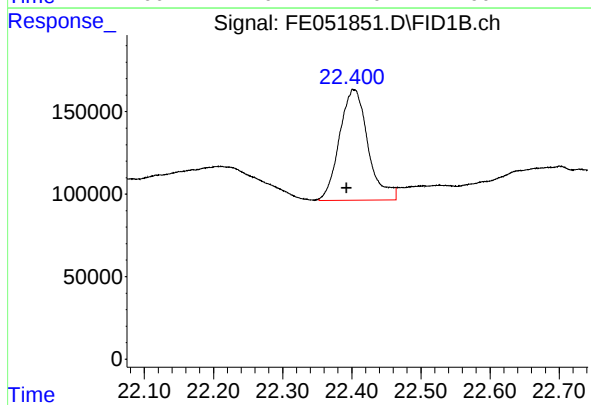
#21 n-Octatriacontane (C38)

R.T.: 21.404 min
Delta R.T.: 0.006 min
Response: 1914478
Conc: 20.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.400 min
Delta R.T.: 0.008 min
Response: 1929422
Conc: 20.96 ug/ml m