

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011325AL\
 Data File : FE051905.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jan 2025 18:05
 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 01/14/2025
 Supervised By :Ankita Jodhani 01/14/2025

Integration File: autoint1.e
 Quant Time: Jan 13 23:48:47 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)	12.154	2833706	19.550 ug/ml
Spiked Amount 50.000		Recovery =	39.10%
12) S 1-chlorooctadecane (S...	13.580	2219705	19.317 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
Target Compounds			
1) T n-Nonane (C9)	3.569	2107755	19.083 ug/ml
2) T n-Decane (C10)	4.809	2198887	19.324 ug/ml
3) T A~Naphthalene (C11.7)	6.515	2514284	19.714 ug/ml
4) T n-Dodecane (C12)	6.959	2303318	19.614 ug/ml
5) T A~2-methylnaphthalene...	7.604	2489967	19.895 ug/ml
6) T n-Tetradecane (C14)	8.781	2382346	19.870 ug/ml
7) T n-Hexadecane (C16)	10.385	2550250	19.928 ug/ml
8) T n-Octadecane (C18)	11.825	2638466	19.828 ug/ml
10) T n-Eicosane (C20)	13.133	2581878	19.623 ug/ml
11) T n-Heneicosane (C21)	13.745	2538333	19.314 ug/ml
13) T n-Docosane (C22)	14.330	2549681	19.435 ug/ml
14) T n-Tetracosane (C24)	15.432	2574533	19.437 ug/ml
15) T n-Hexacosane (C26)	16.453	2513290	19.155 ug/ml
16) T n-Octacosane (C28)	17.400	2490713	19.291 ug/mlm
17) T n-Tricontane (C30)	18.286	2572386	19.568 ug/ml
18) T n-Dotriacontane (C32)	19.118	2456301	19.355 ug/ml
19) T n-Tetratriacontane (C34)	19.899	2110189	18.992 ug/ml
20) T n-Hexatriacontane (C36)	20.638	1829902	18.548 ug/ml
21) T n-Octatriacontane (C38)	21.426	1742871	18.408 ug/ml
22) T n-Tetracontane (C40)	22.430	1695579	18.420 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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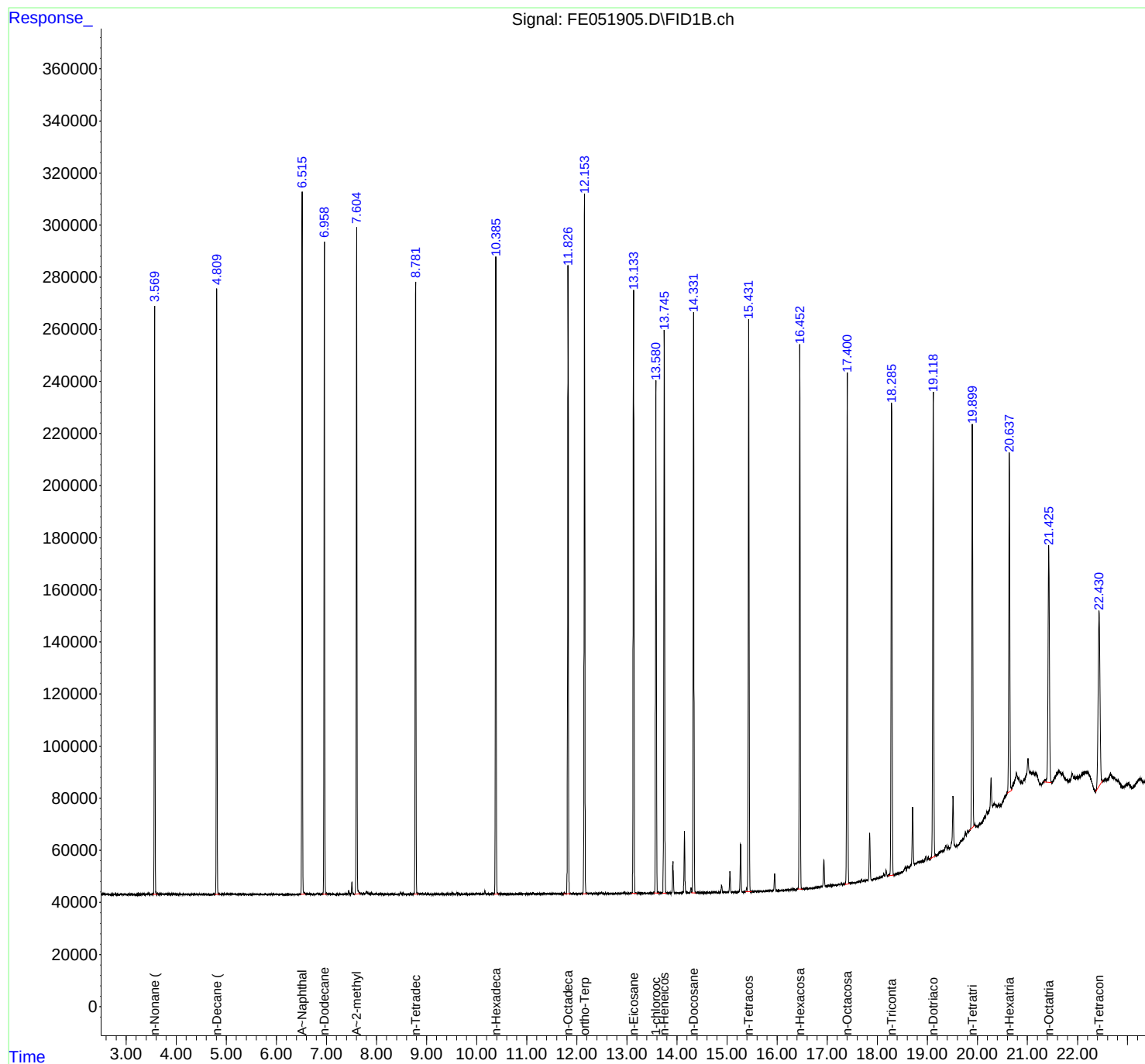
Instrument :
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20 PPM ALIPHATIC HC STD

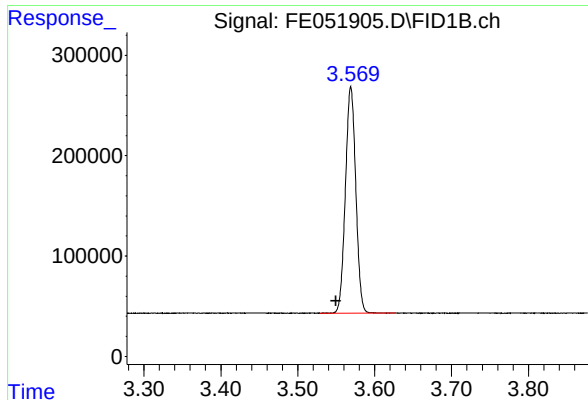
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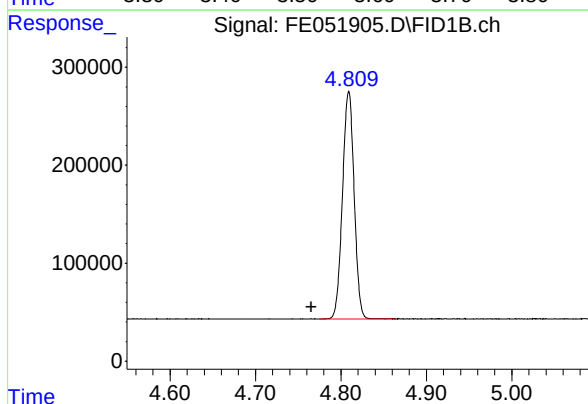
#1 n-Nonane (C9)

R.T.: 3.569 min
Delta R.T.: 0.019 min
Response: 2107755
Conc: 19.08 ug/ml

Instrument : FID_E
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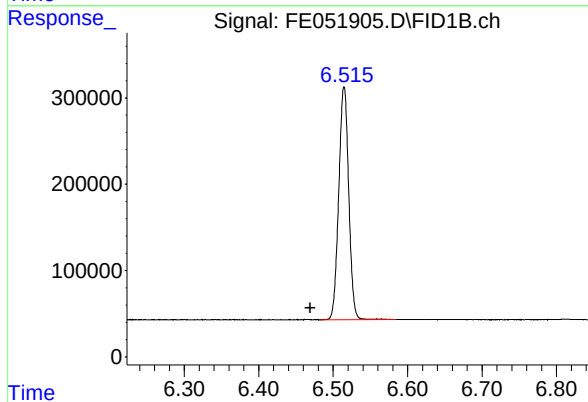
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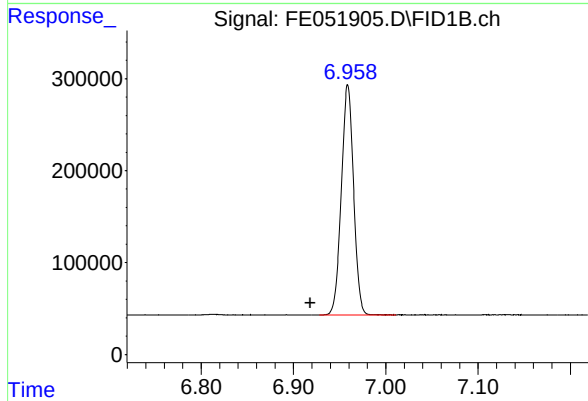
#2 n-Decane (C10)

R.T.: 4.809 min
Delta R.T.: 0.043 min
Response: 2198887
Conc: 19.32 ug/ml



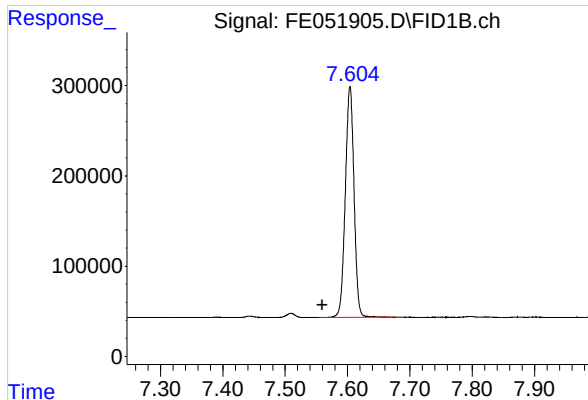
#3 A~Naphthalene (C11.7)

R.T.: 6.515 min
Delta R.T.: 0.045 min
Response: 2514284
Conc: 19.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.959 min
Delta R.T.: 0.040 min
Response: 2303318
Conc: 19.61 ug/ml



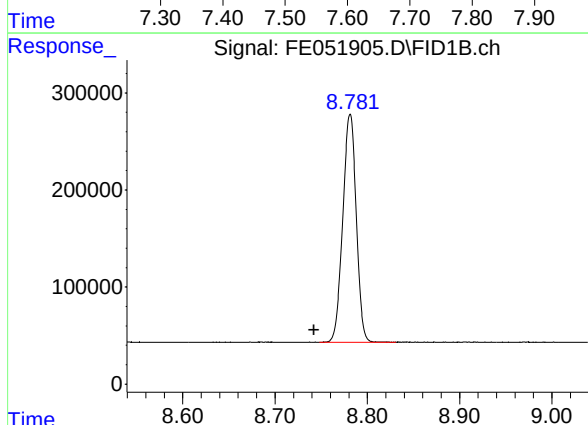
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.604 min
Delta R.T.: 0.044 min
Response: 2489967
Conc: 19.89 ug/ml

Instrument : FID_E
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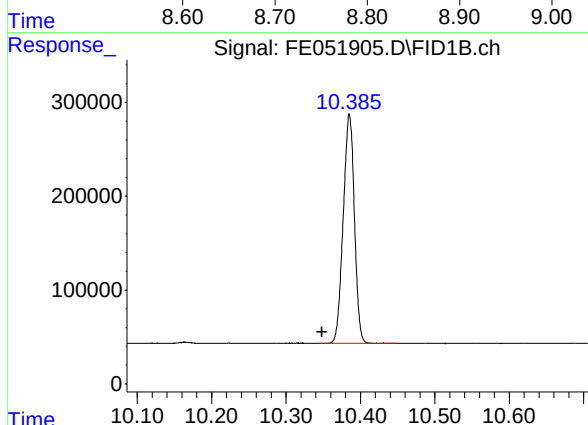
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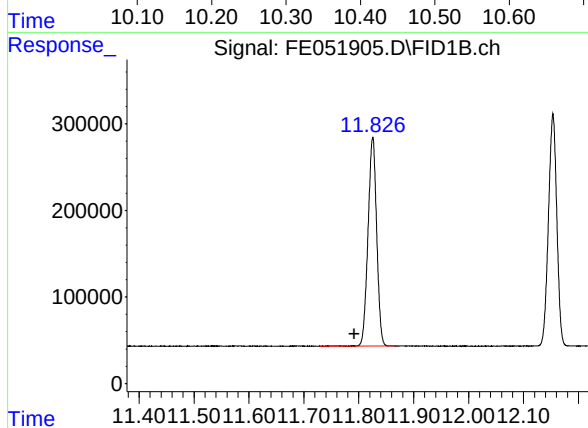
#6 n-Tetradecane (C14)

R.T.: 8.781 min
Delta R.T.: 0.039 min
Response: 2382346
Conc: 19.87 ug/ml



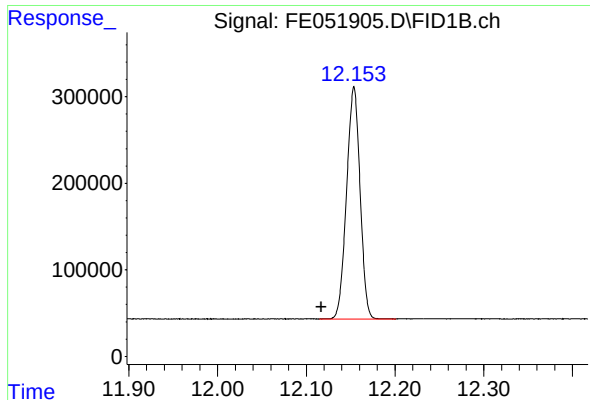
#7 n-Hexadecane (C16)

R.T.: 10.385 min
Delta R.T.: 0.037 min
Response: 2550250
Conc: 19.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.825 min
Delta R.T.: 0.034 min
Response: 2638466
Conc: 19.83 ug/ml



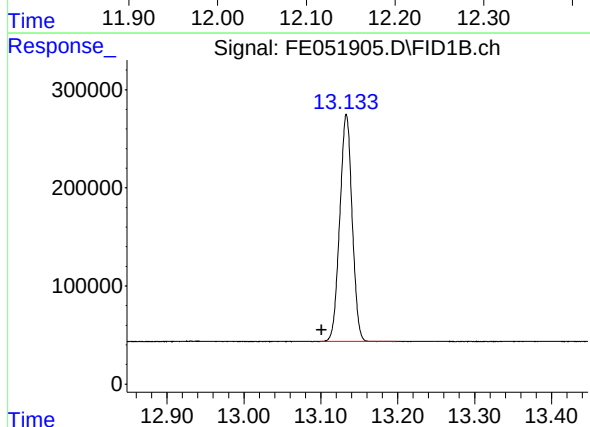
#9 ortho-Terphenyl (SURR)

R.T.: 12.154 min
Delta R.T.: 0.037 min
Response: 2833706
Conc: 19.55 ug/ml

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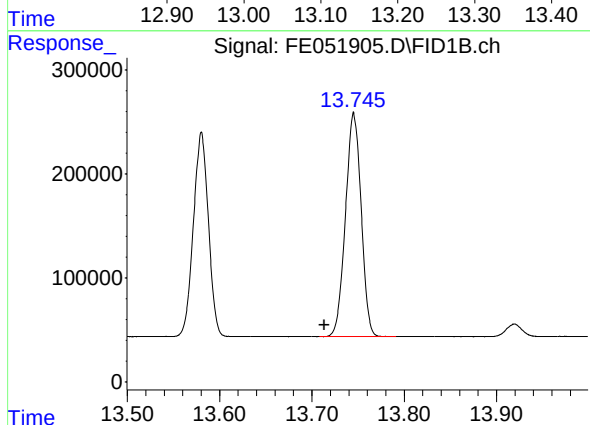
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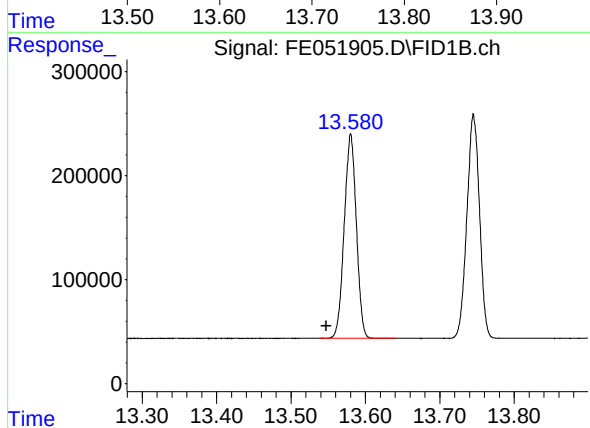
#10 n-Eicosane (C20)

R.T.: 13.133 min
Delta R.T.: 0.032 min
Response: 2581878
Conc: 19.62 ug/ml



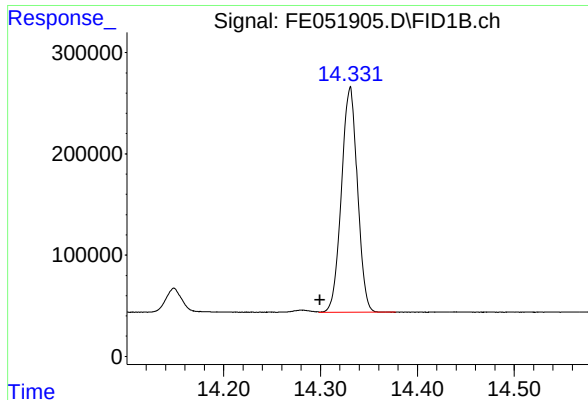
#11 n-Heneicosane (C21)

R.T.: 13.745 min
Delta R.T.: 0.032 min
Response: 2538333
Conc: 19.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.580 min
Delta R.T.: 0.033 min
Response: 2219705
Conc: 19.32 ug/ml



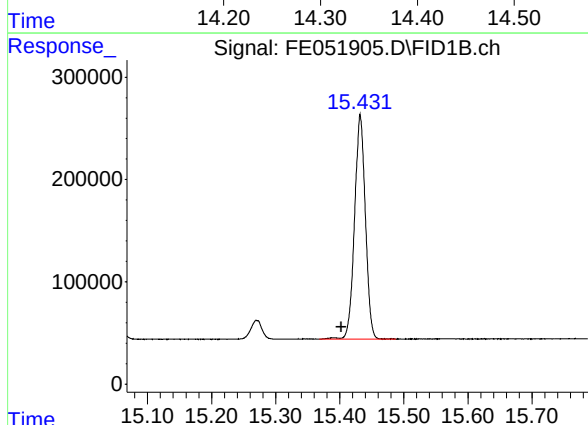
#13 n-Docosane (C22)

R.T.: 14.330 min
Delta R.T.: 0.031 min
Response: 2549681
Conc: 19.44 ug/ml

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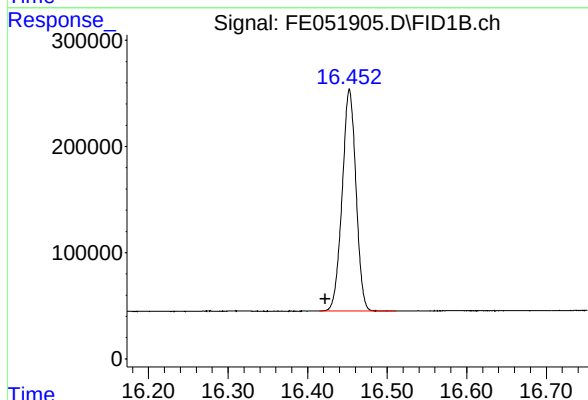
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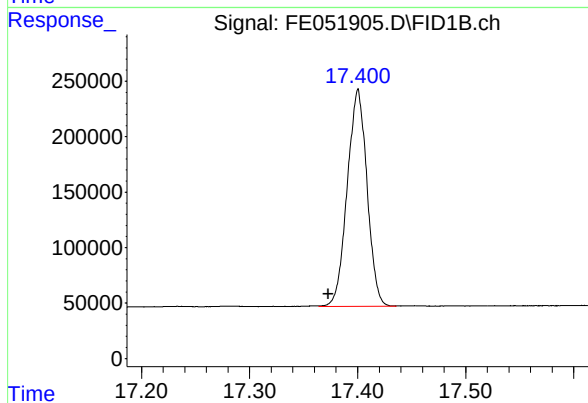
#14 n-Tetracosane (C24)

R.T.: 15.432 min
Delta R.T.: 0.030 min
Response: 2574533
Conc: 19.44 ug/ml



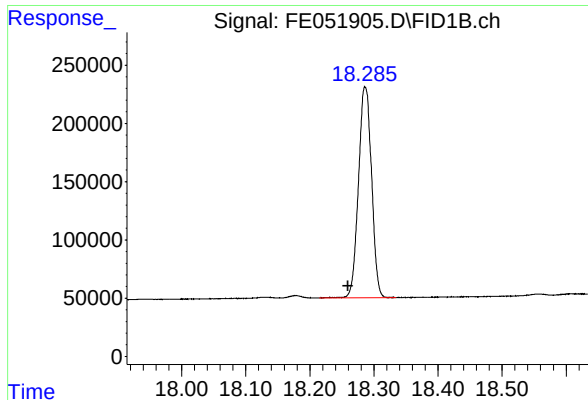
#15 n-Hexacosane (C26)

R.T.: 16.453 min
Delta R.T.: 0.030 min
Response: 2513290
Conc: 19.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.400 min
Delta R.T.: 0.027 min
Response: 2490713
Conc: 19.29 ug/ml m



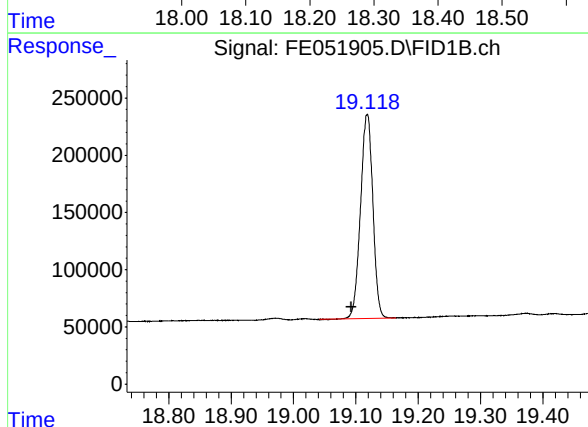
#17 n-Tricontane (C30)

R.T.: 18.286 min
Delta R.T.: 0.027 min
Response: 2572386
Conc: 19.57 ug/ml

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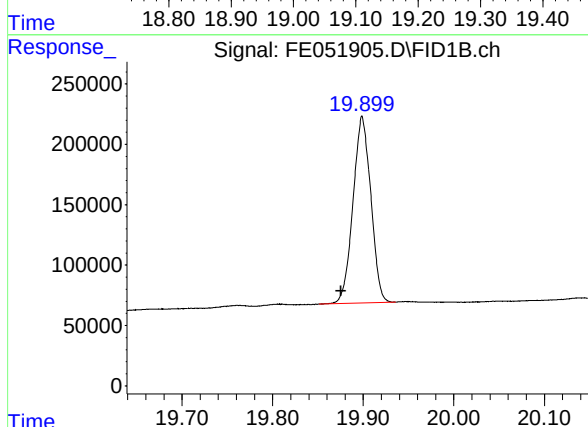
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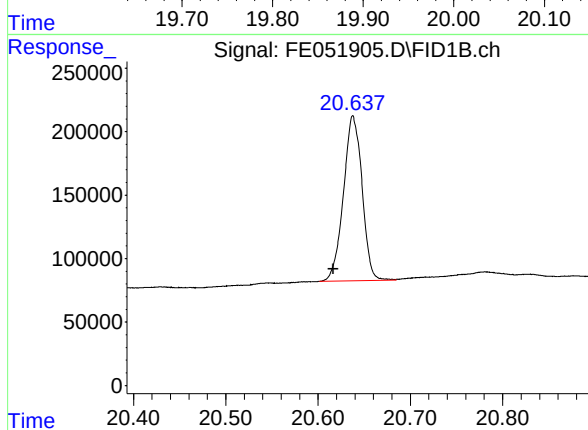
#18 n-Dotriacontane (C32)

R.T.: 19.118 min
Delta R.T.: 0.025 min
Response: 2456301
Conc: 19.36 ug/ml



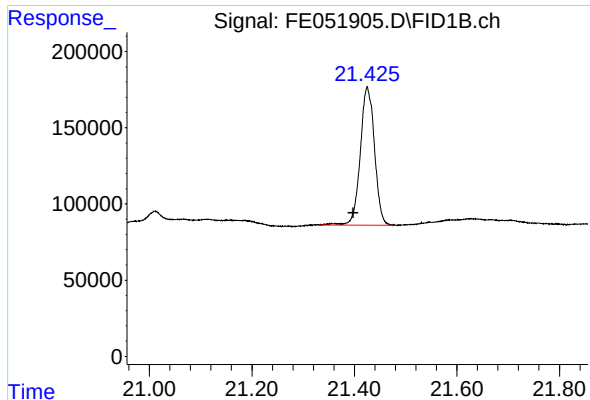
#19 n-Tetratriacontane (C34)

R.T.: 19.899 min
Delta R.T.: 0.024 min
Response: 2110189
Conc: 18.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.638 min
Delta R.T.: 0.022 min
Response: 1829902
Conc: 18.55 ug/ml



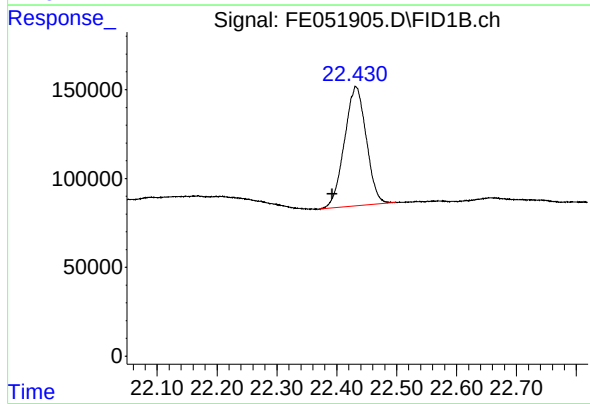
#21 n-Octatriacontane (C38)

R.T.: 21.426 min
Delta R.T.: 0.028 min
Response: 1742871
Conc: 18.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.430 min
Delta R.T.: 0.038 min
Response: 1695579
Conc: 18.42 ug/ml m