

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121724AL\
 Data File : FE051669.D
 Signal(s) : FID1B.ch
 Acq On : 17 Dec 2024 13:10
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :Ankita Jodhani 12/18/2024

Integration File: autoint1.e
 Quant Time: Dec 17 14:39:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 13:33:33 2024
 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)	12.011	1561193	10.029 ug/ml
Spiked Amount 50.000		Recovery =	20.06%
12) S 1-chlorooctadecane (S...	13.432	1243390	10.278 ug/ml
Spiked Amount 50.000		Recovery =	20.56%
Target Compounds			
1) T n-Nonane (C9)	3.488	1167084	10.060 ug/ml
2) T n-Decane (C10)	4.719	1211216	10.053 ug/ml
3) T A~Naphthalene (C11.7)	6.405	1390822	10.062 ug/ml
4) T n-Dodecane (C12)	6.853	1265516	10.012 ug/ml
5) T A~2-methylnaphthalene...	7.486	1379038	10.034 ug/ml
6) T n-Tetradecane (C14)	8.663	1302862	9.990 ug/ml
7) T n-Hexadecane (C16)	10.257	1387119	9.982 ug/ml
8) T n-Octadecane (C18)	11.690	1429715	9.976 ug/ml
10) T n-Eicosane (C20)	12.989	1397861	10.032 ug/ml
11) T n-Heneicosane (C21)	13.597	1383790	10.072 ug/ml
13) T n-Docosane (C22)	14.179	1367222	10.011 ug/ml
14) T n-Tetracosane (C24)	15.274	1358618	10.090 ug/ml
15) T n-Hexacosane (C26)	16.287	1306496	10.024 ug/ml
16) T n-Octacosane (C28)	17.231	1255962	9.954 ug/ml
17) T n-Tricontane (C30)	18.112	1294791	10.165 ug/ml
18) T n-Dotriacontane (C32)	18.937	1122240	9.077 ug/mlm
19) T n-Tetratriacontane (C34)	19.716	1070915	10.011 ug/ml
20) T n-Hexatriacontane (C36)	20.450	1010413	10.889 ug/ml
21) T n-Octatriacontane (C38)	21.189	864958	9.854 ug/ml
22) T n-Tetracontane (C40)	22.115	1070528	11.844 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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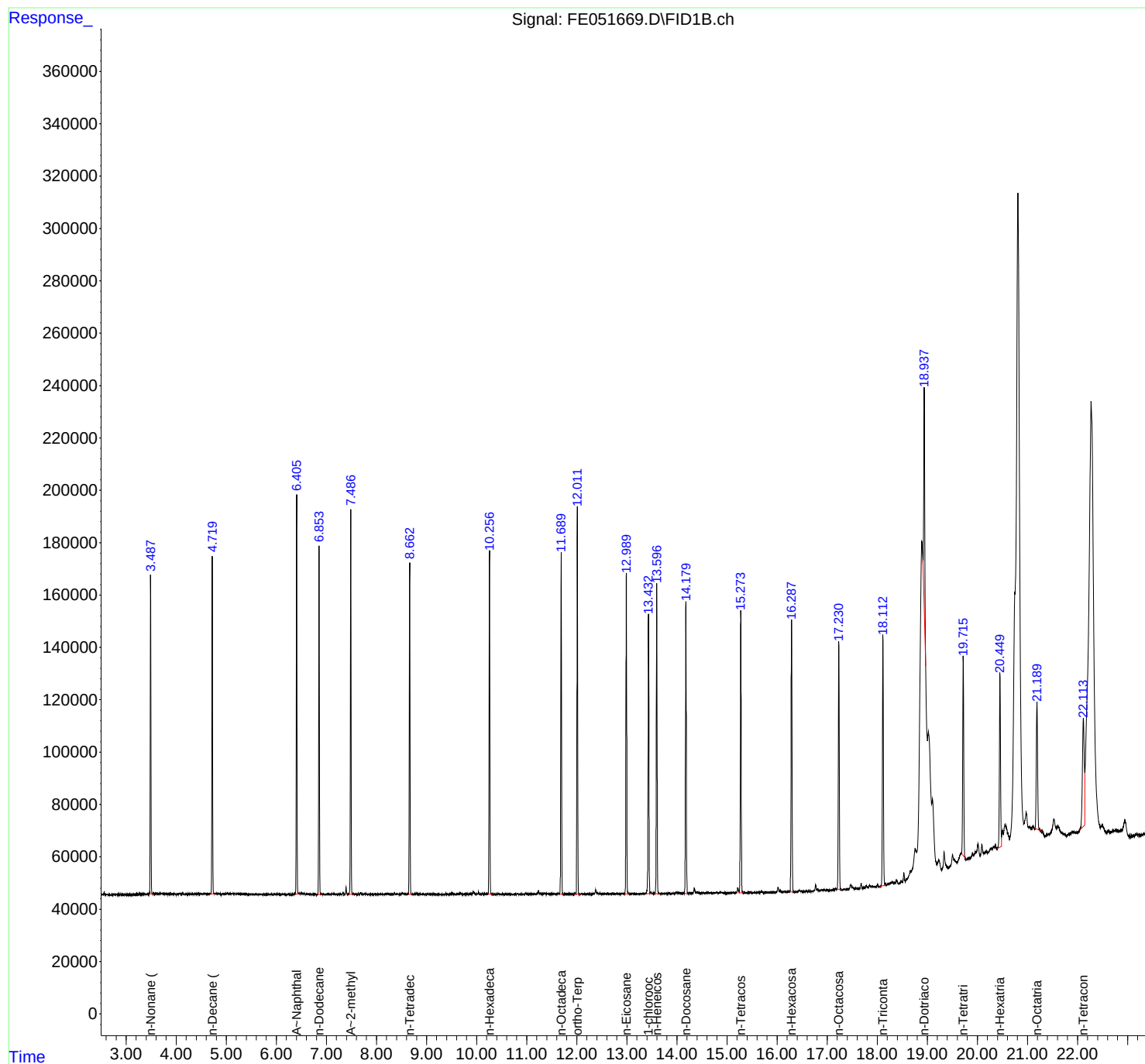
Instrument :
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10 PPM ALIPHATIC HC STD4

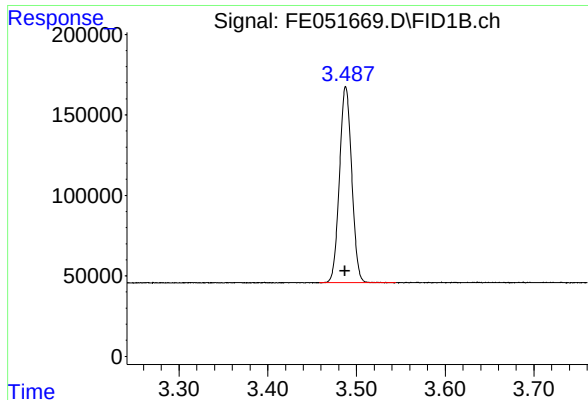
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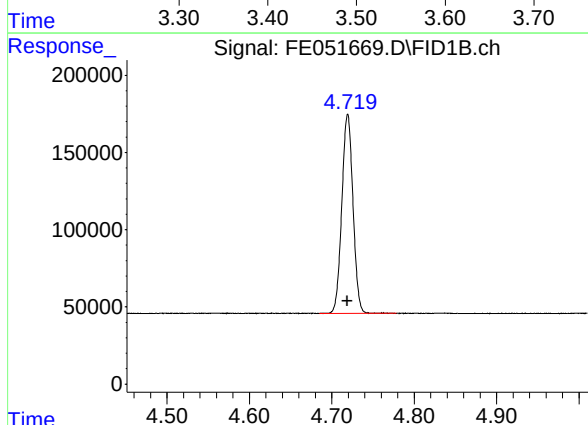
#1 n-Nonane (C9)

R.T.: 3.488 min
Delta R.T.: 0.001 min
Response: 1167084
Conc: 10.06 ug/ml

Instrument :
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10 PPM ALIPHATIC HC STD4

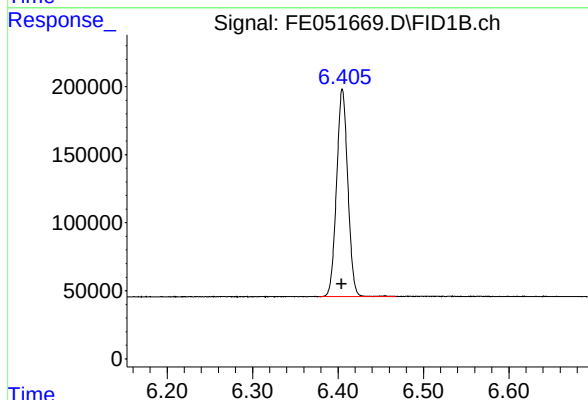
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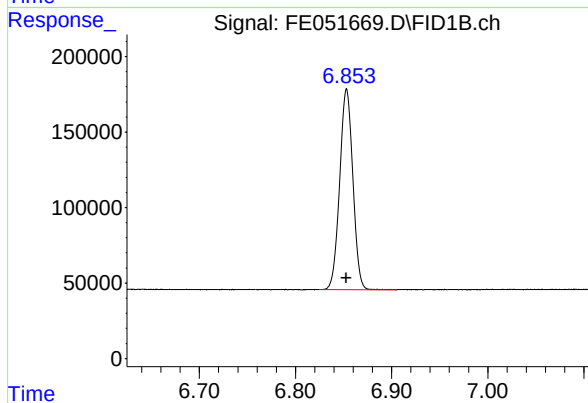
#2 n-Decane (C10)

R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 1211216
Conc: 10.05 ug/ml



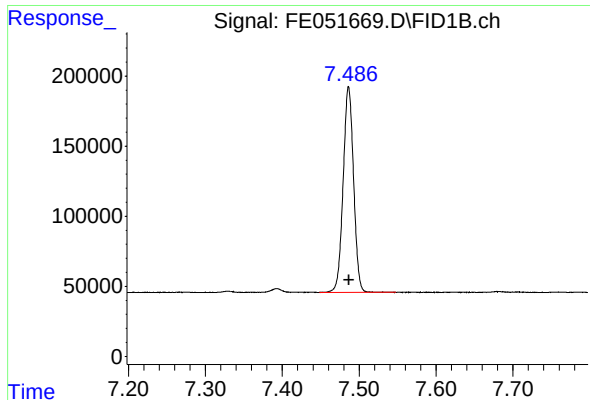
#3 A~Naphthalene (C11.7)

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 1390822
Conc: 10.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: 0.000 min
Response: 1265516
Conc: 10.01 ug/ml



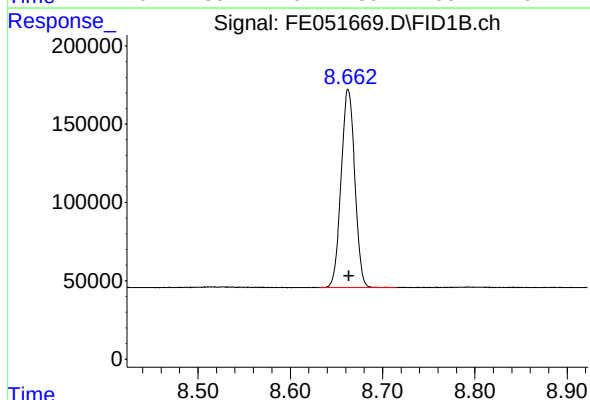
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.486 min
Delta R.T.: 0.000 min
Response: 1379038
Conc: 10.03 ug/ml

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10 PPM ALIPHATIC HC STD4

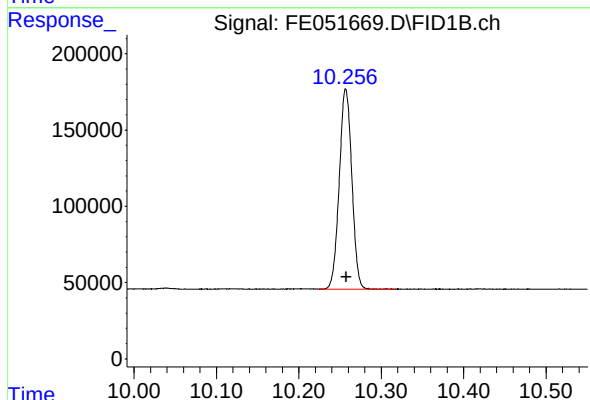
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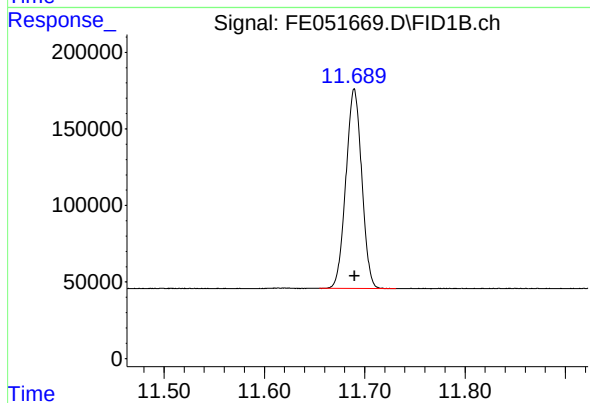
#6 n-Tetradecane (C14)

R.T.: 8.663 min
Delta R.T.: 0.000 min
Response: 1302862
Conc: 9.99 ug/ml



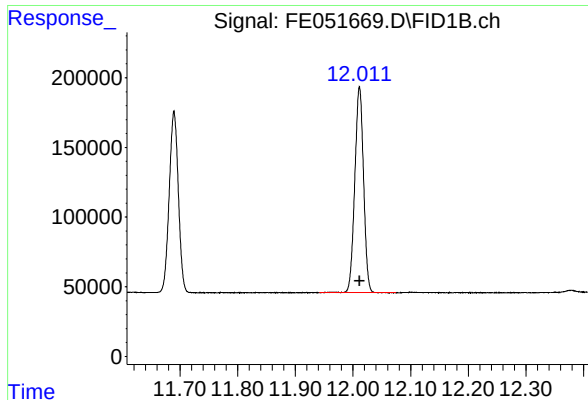
#7 n-Hexadecane (C16)

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 1387119
Conc: 9.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.690 min
Delta R.T.: 0.000 min
Response: 1429715
Conc: 9.98 ug/ml



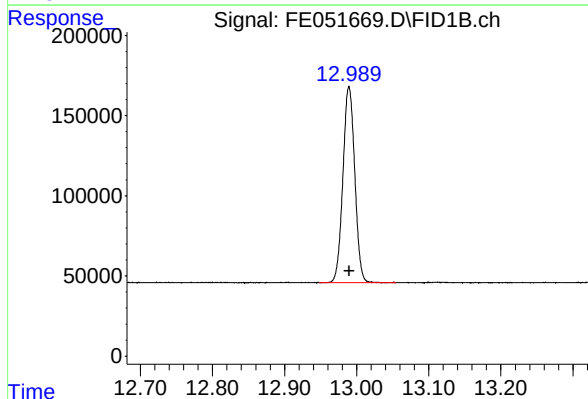
#9 ortho-Terphenyl (SURR)

R.T.: 12.011 min
Delta R.T.: 0.000 min
Response: 1561193
Conc: 10.03 ug/ml

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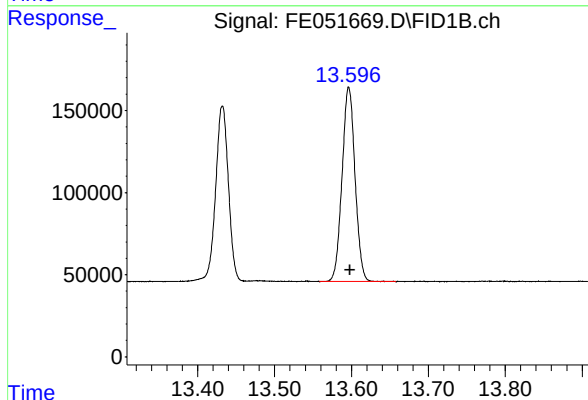
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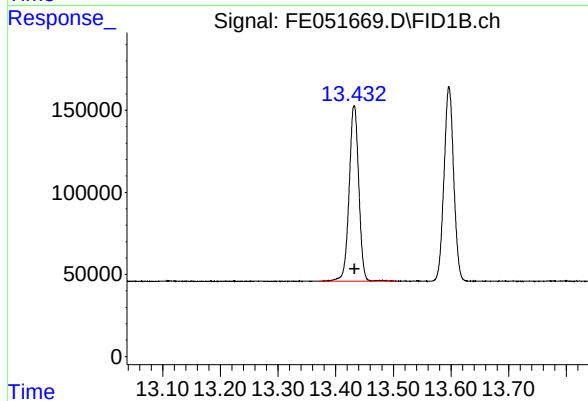
#10 n-Eicosane (C20)

R.T.: 12.989 min
Delta R.T.: 0.000 min
Response: 1397861
Conc: 10.03 ug/ml



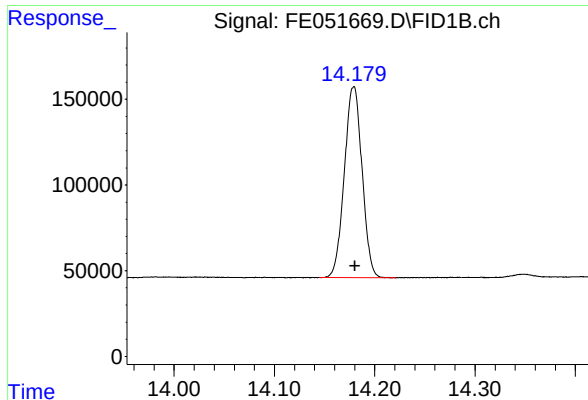
#11 n-Heneicosane (C21)

R.T.: 13.597 min
Delta R.T.: -0.002 min
Response: 1383790
Conc: 10.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.432 min
Delta R.T.: 0.000 min
Response: 1243390
Conc: 10.28 ug/ml



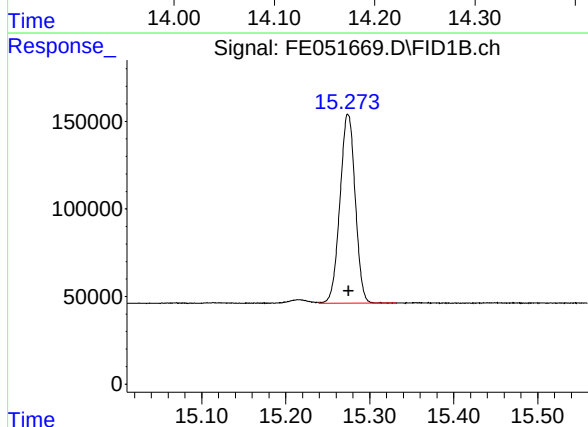
#13 n-Docosane (C22)

R.T.: 14.179 min
Delta R.T.: -0.001 min
Response: 1367222
Conc: 10.01 ug/ml

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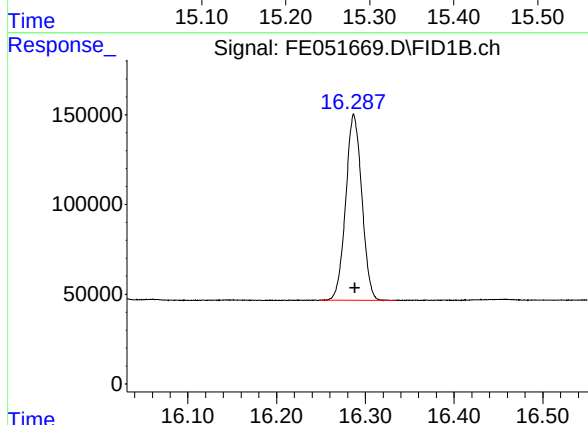
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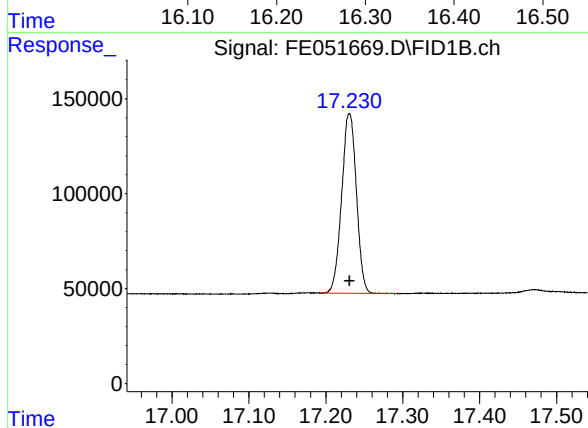
#14 n-Tetracosane (C24)

R.T.: 15.274 min
Delta R.T.: 0.000 min
Response: 1358618
Conc: 10.09 ug/ml



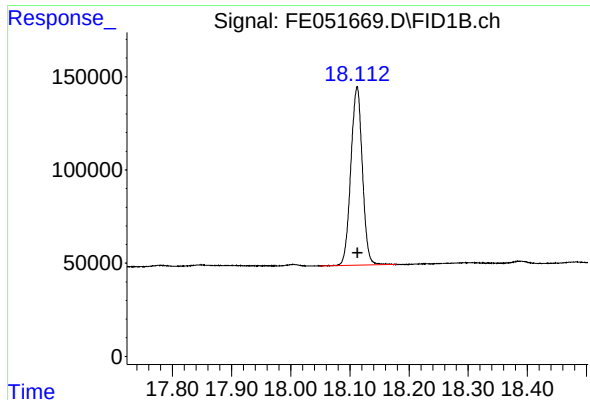
#15 n-Hexacosane (C26)

R.T.: 16.287 min
Delta R.T.: -0.001 min
Response: 1306496
Conc: 10.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.231 min
Delta R.T.: 0.000 min
Response: 1255962
Conc: 9.95 ug/ml



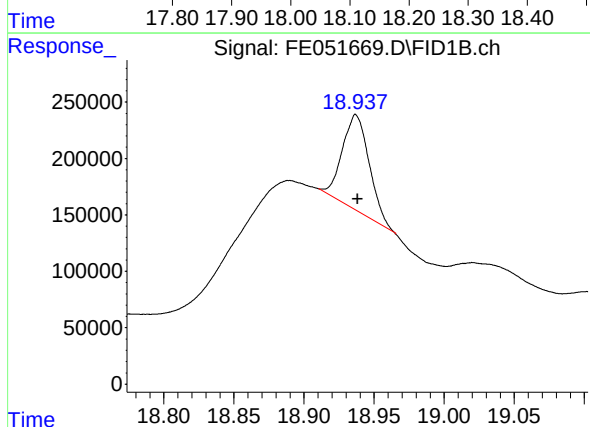
#17 n-Tricontane (C30)

R.T.: 18.112 min
Delta R.T.: -0.001 min
Response: 1294791
Conc: 10.16 ug/ml

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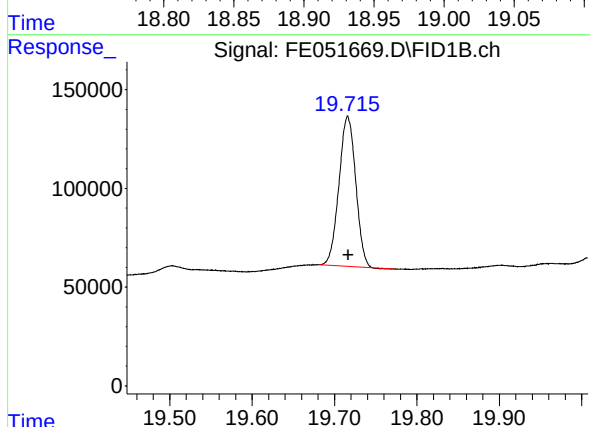
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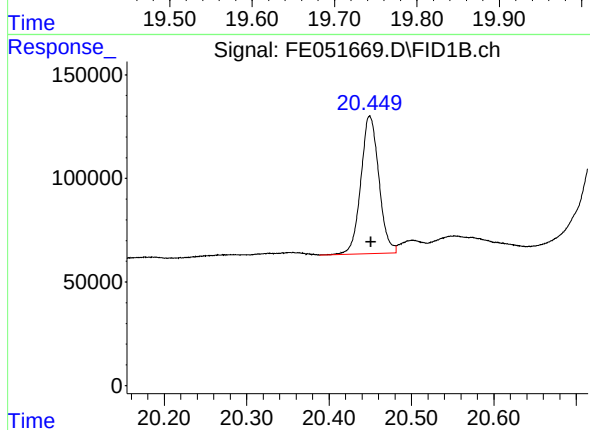
#18 n-Dotriacontane (C32)

R.T.: 18.937 min
Delta R.T.: -0.002 min
Response: 1122240
Conc: 9.08 ug/ml m



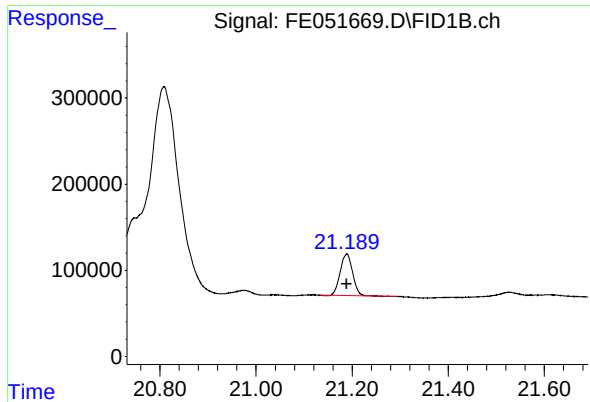
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: 0.000 min
Response: 1070915
Conc: 10.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.001 min
Response: 1010413
Conc: 10.89 ug/ml



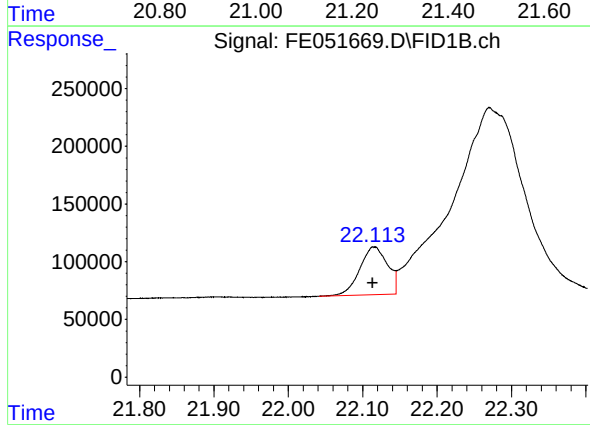
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: 0.000 min
Response: 864958
Conc: 9.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: 0.002 min
Response: 1070528
Conc: 11.84 ug/ml