

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122624AL\
 Data File : FE051766.D
 Signal(s) : FID1B.ch
 Acq On : 26 Dec 2024 14:59
 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 12/27/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 27 01:15:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 15:04:25 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)	12.028	3149226	19.616 ug/ml
Spiked Amount 50.000		Recovery =	39.23%
12) S 1-chlorooctadecane (S...	13.451	2433029	19.287 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
Target Compounds			
1) T n-Nonane (C9)	3.489	2382428	19.883 ug/ml
2) T n-Decane (C10)	4.723	2482517	19.967 ug/ml
3) T A~Naphthalene (C11.7)	6.413	2876127	20.183 ug/ml
4) T n-Dodecane (C12)	6.862	2599627	19.979 ug/ml
5) T A~2-methylnaphthalene...	7.497	2842571	20.086 ug/ml
6) T n-Tetradecane (C14)	8.675	2674693	19.948 ug/ml
7) T n-Hexadecane (C16)	10.271	2838343	19.861 ug/ml
8) T n-Octadecane (C18)	11.706	2922091	19.822 ug/ml
10) T n-Eicosane (C20)	13.008	2827670	19.655 ug/ml
11) T n-Heneicosane (C21)	13.616	2779162	19.557 ug/ml
13) T n-Docosane (C22)	14.199	2763617	19.603 ug/ml
14) T n-Tetracosane (C24)	15.295	2752122	19.725 ug/ml
15) T n-Hexacosane (C26)	16.309	2667923	19.801 ug/ml
16) T n-Octacosane (C28)	17.252	2634614	20.252 ug/ml
17) T n-Tricontane (C30)	18.134	2673048	20.198 ug/ml
18) T n-Dotriacontane (C32)	18.963	2583375	20.607 ug/ml
19) T n-Tetratriacontane (C34)	19.739	2271953	20.650 ug/mlm
20) T n-Hexatriacontane (C36)	20.475	1991310	20.740 ug/mlm
21) T n-Octatriacontane (C38)	21.218	1847934	20.522 ug/ml
22) T n-Tetracontane (C40)	22.150	1747232	17.901 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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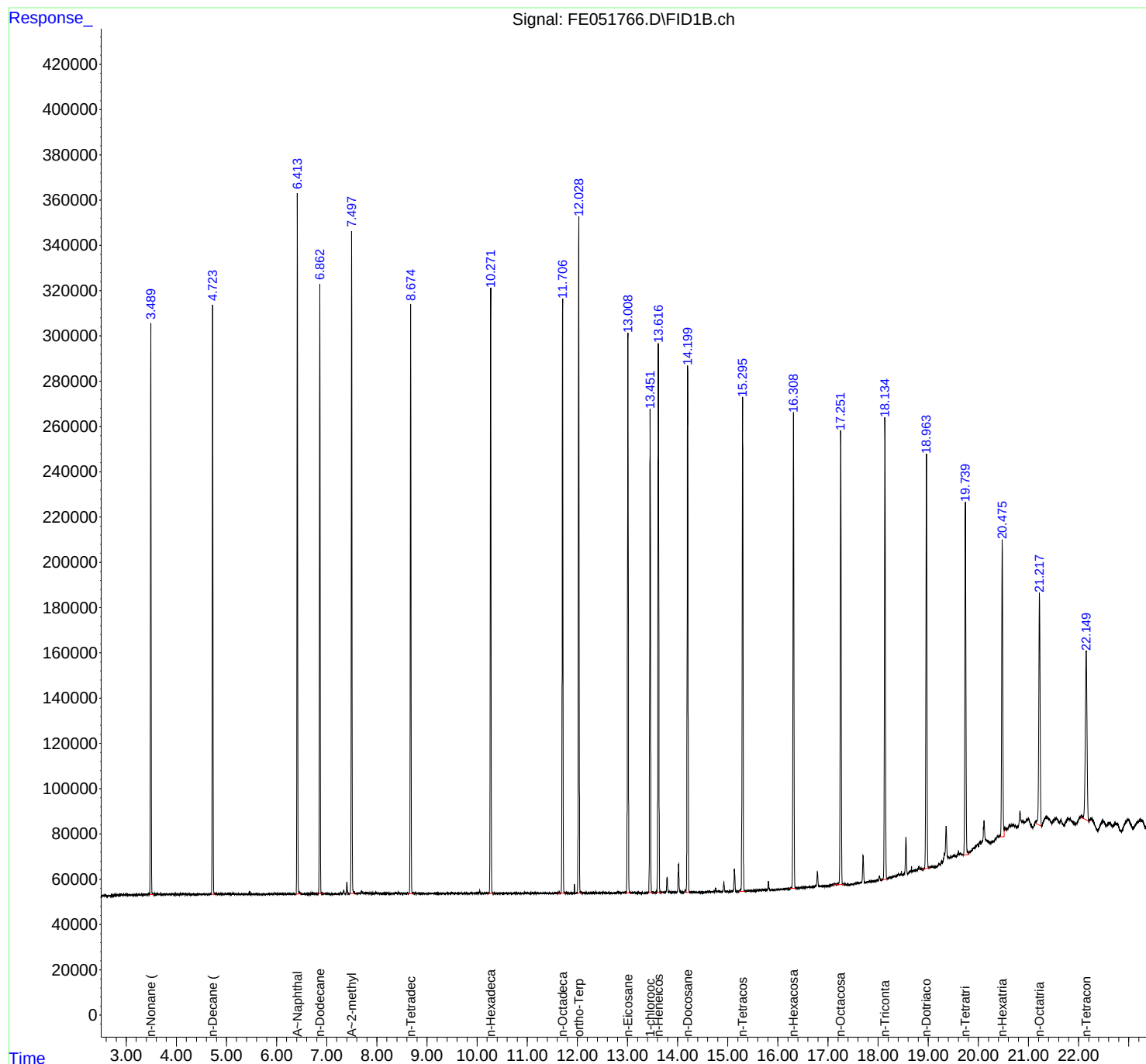
Instrument :
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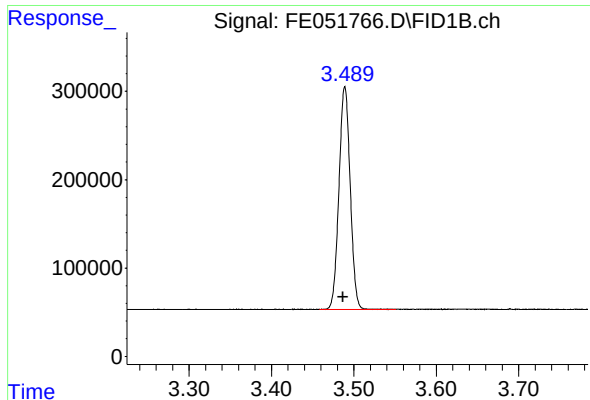
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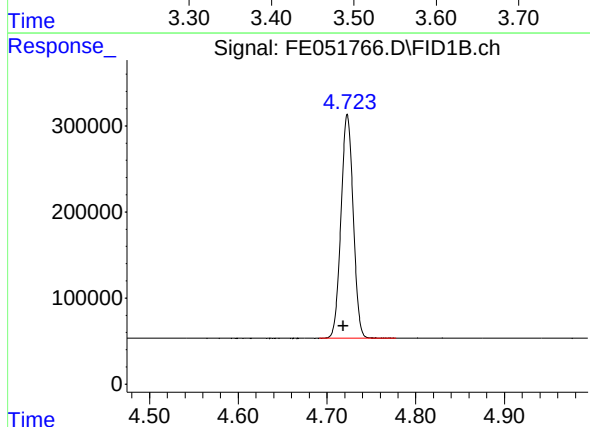
#1 n-Nonane (C9)

R.T.: 3.489 min
Delta R.T.: 0.002 min
Response: 2382428
Conc: 19.88 ug/ml

Instrument : FID_E
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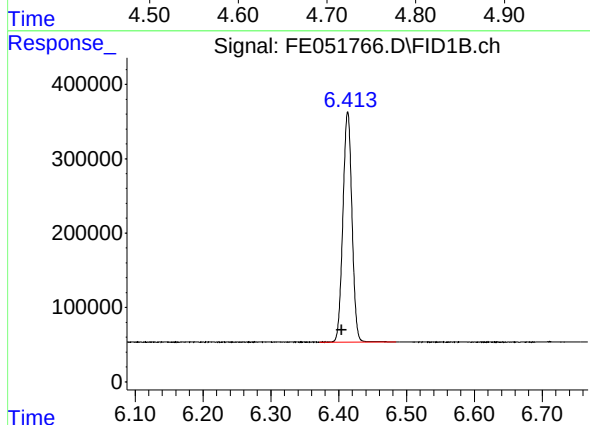
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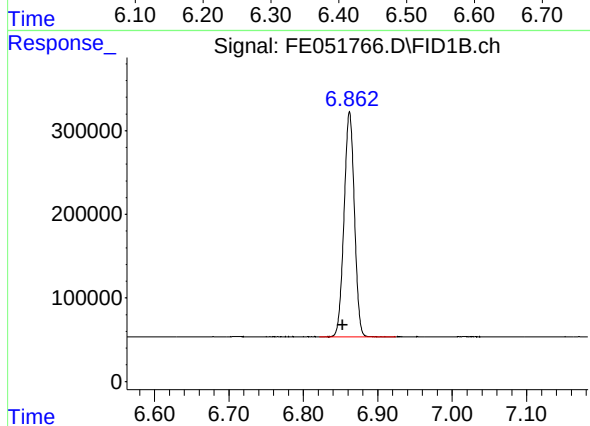
#2 n-Decane (C10)

R.T.: 4.723 min
Delta R.T.: 0.005 min
Response: 2482517
Conc: 19.97 ug/ml



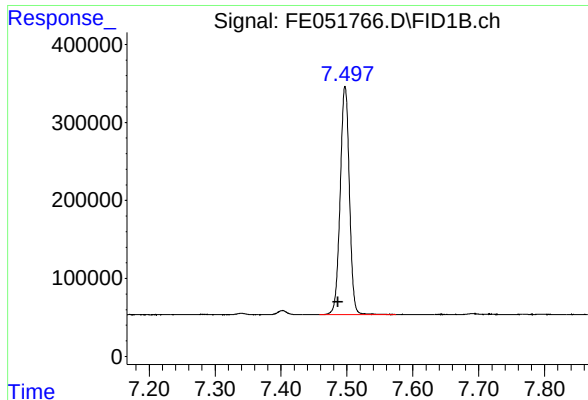
#3 A~Naphthalene (C11.7)

R.T.: 6.413 min
Delta R.T.: 0.009 min
Response: 2876127
Conc: 20.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.862 min
Delta R.T.: 0.009 min
Response: 2599627
Conc: 19.98 ug/ml



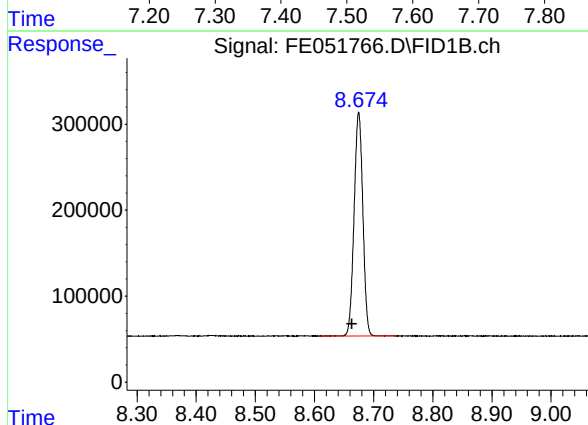
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.497 min
Delta R.T.: 0.011 min
Response: 2842571
Conc: 20.09 ug/ml

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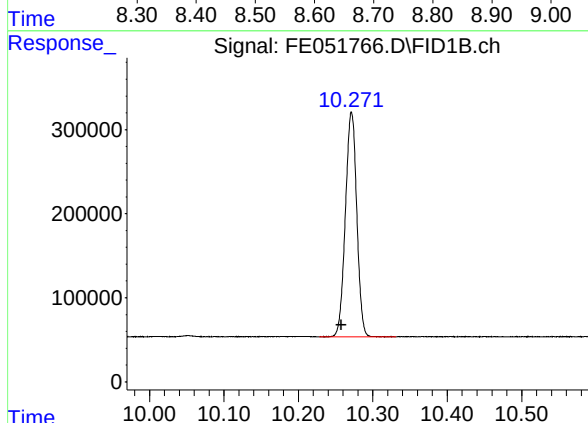
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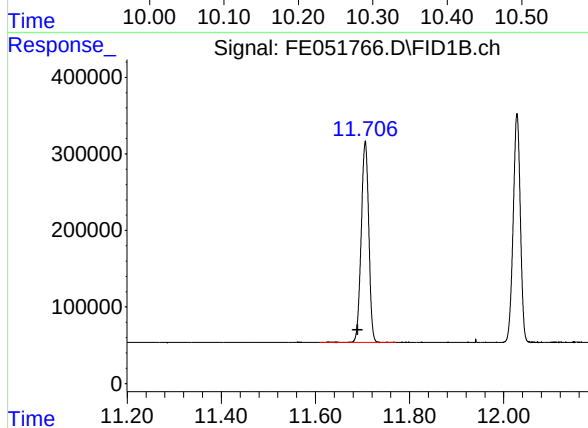
#6 n-Tetradecane (C14)

R.T.: 8.675 min
Delta R.T.: 0.011 min
Response: 2674693
Conc: 19.95 ug/ml



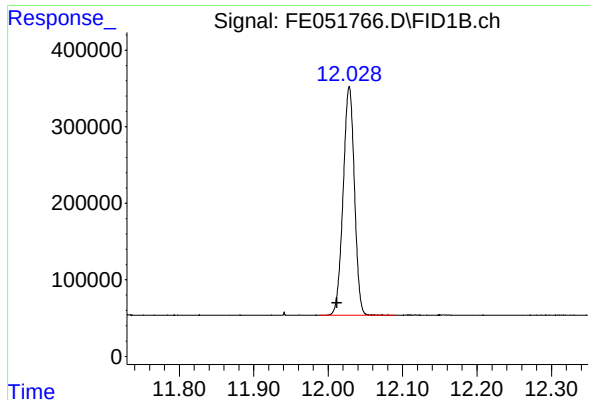
#7 n-Hexadecane (C16)

R.T.: 10.271 min
Delta R.T.: 0.014 min
Response: 2838343
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.706 min
Delta R.T.: 0.016 min
Response: 2922091
Conc: 19.82 ug/ml



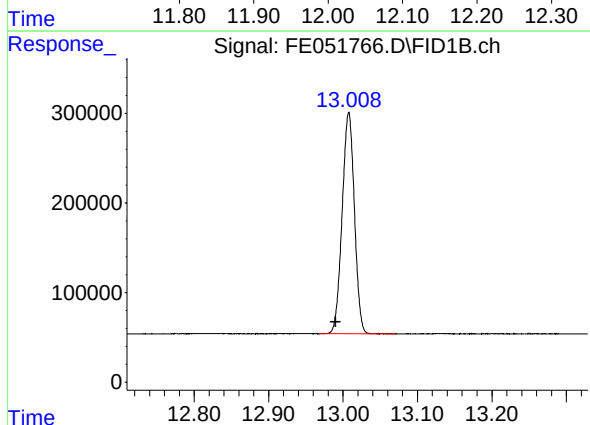
#9 ortho-Terphenyl (SURR)

R.T.: 12.028 min
Delta R.T.: 0.017 min
Response: 3149226
Conc: 19.62 ug/ml

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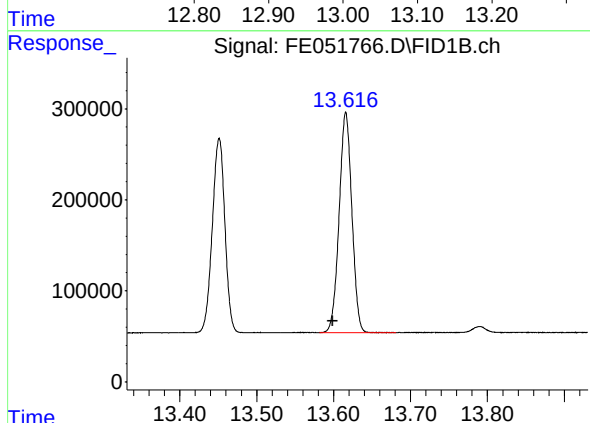
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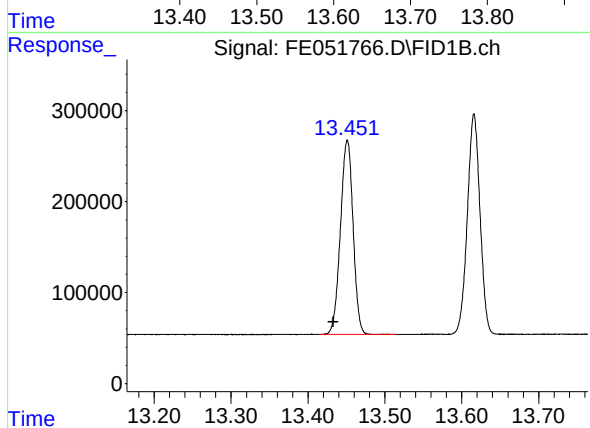
#10 n-Eicosane (C20)

R.T.: 13.008 min
Delta R.T.: 0.018 min
Response: 2827670
Conc: 19.65 ug/ml



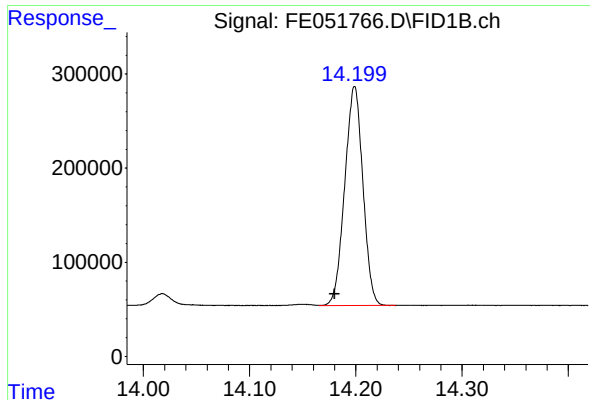
#11 n-Heneicosane (C21)

R.T.: 13.616 min
Delta R.T.: 0.018 min
Response: 2779162
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.451 min
Delta R.T.: 0.018 min
Response: 2433029
Conc: 19.29 ug/ml



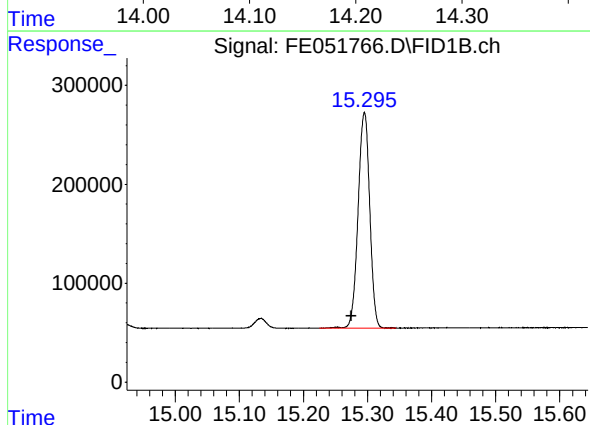
#13 n-Docosane (C22)

R.T.: 14.199 min
Delta R.T.: 0.019 min
Response: 2763617
Conc: 19.60 ug/ml

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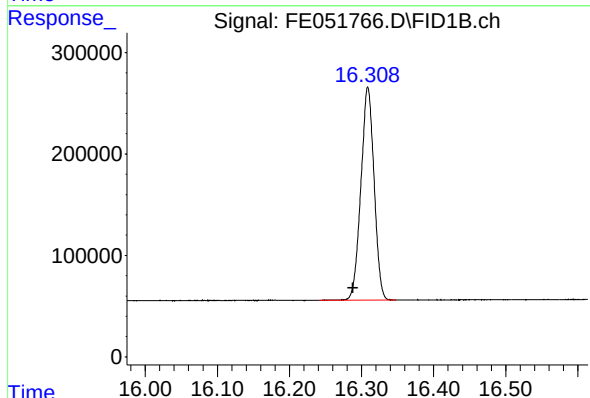
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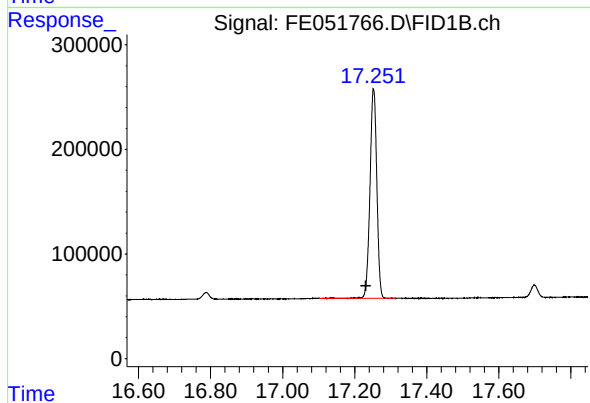
#14 n-Tetracosane (C24)

R.T.: 15.295 min
Delta R.T.: 0.020 min
Response: 2752122
Conc: 19.73 ug/ml



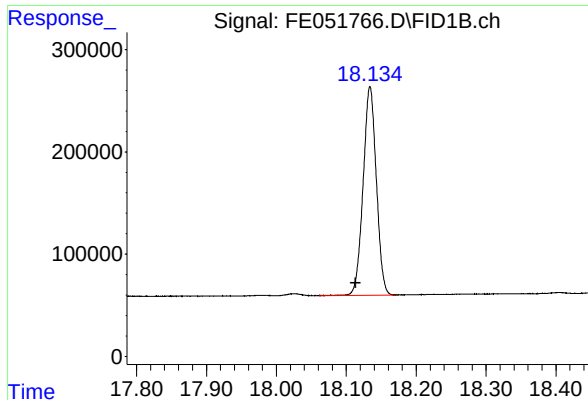
#15 n-Hexacosane (C26)

R.T.: 16.309 min
Delta R.T.: 0.021 min
Response: 2667923
Conc: 19.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.252 min
Delta R.T.: 0.021 min
Response: 2634614
Conc: 20.25 ug/ml



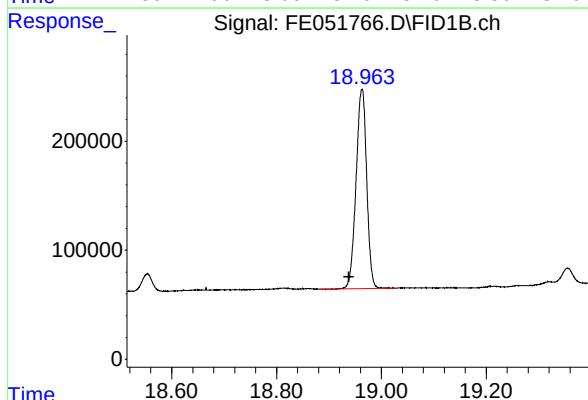
#17 n-Tricontane (C30)

R.T.: 18.134 min
Delta R.T.: 0.021 min
Response: 2673048
Conc: 20.20 ug/ml

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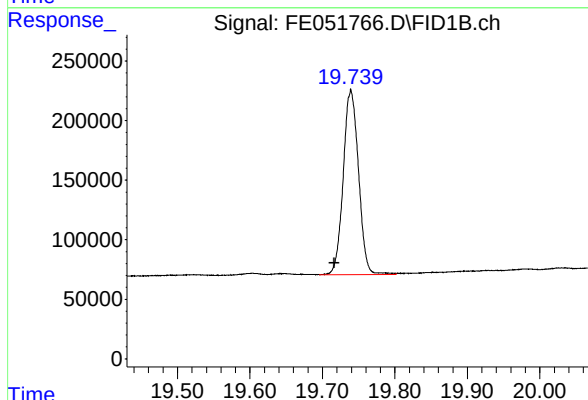
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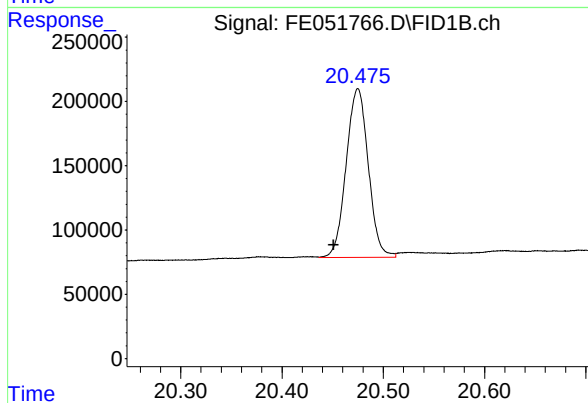
#18 n-Dotriacontane (C32)

R.T.: 18.963 min
Delta R.T.: 0.025 min
Response: 2583375
Conc: 20.61 ug/ml



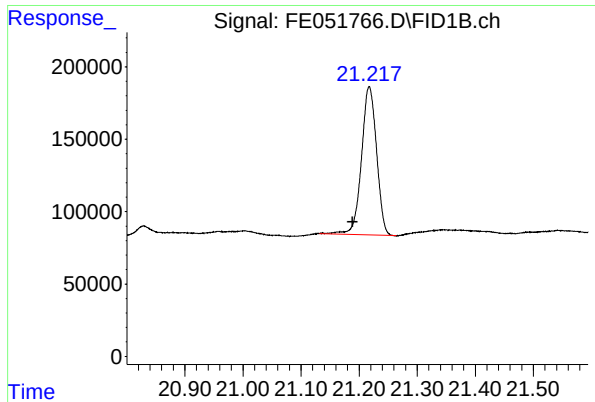
#19 n-Tetatriacontane (C34)

R.T.: 19.739 min
Delta R.T.: 0.022 min
Response: 2271953
Conc: 20.65 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.475 min
Delta R.T.: 0.024 min
Response: 1991310
Conc: 20.74 ug/ml m



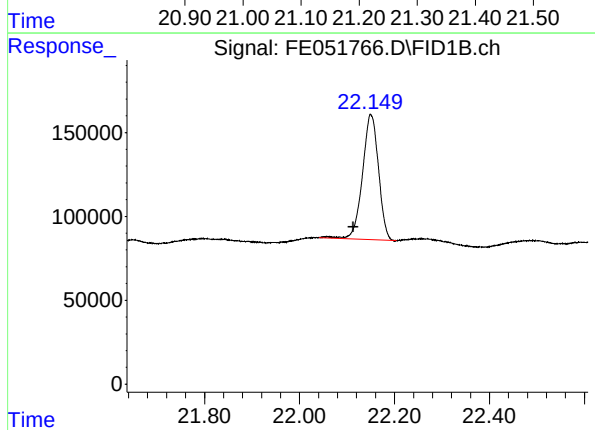
#21 n-Octatriacontane (C38)

R.T.: 21.218 min
Delta R.T.: 0.029 min
Response: 1847934
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.150 min
Delta R.T.: 0.037 min
Response: 1747232
Conc: 17.90 ug/ml