

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101224AL\
 Data File : FE050631.D
 Signal(s) : FID1B.ch
 Acq On : 11 Oct 2024 21:34
 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 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 04:40:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.858	2956172	18.751 ug/ml
Spiked Amount 50.000		Recovery =	37.50%
12) S 1-chlorooctadecane (S...	13.292	2243412	18.965 ug/ml
Spiked Amount 50.000		Recovery =	37.93%
Target Compounds			
1) T n-Nonane (C9)	3.249	2589832	18.330 ug/ml
2) T n-Decane (C10)	4.499	2667457	18.592 ug/ml
3) T A~Naphthalene (C11.7)	6.209	2678206	18.730 ug/ml
4) T n-Dodecane (C12)	6.666	2681156	18.628 ug/ml
5) T A~2-methylnaphthalene...	7.305	2488263	18.782 ug/ml
6) T n-Tetradecane (C14)	8.492	2668088	18.649 ug/ml
7) T n-Hexadecane (C16)	10.097	2767591	18.805 ug/ml
8) T n-Octadecane (C18)	11.538	2804450	18.775 ug/ml
10) T n-Eicosane (C20)	12.846	2697522	18.811 ug/ml
11) T n-Heneicosane (C21)	13.457	2633339	18.752 ug/ml
13) T n-Docosane (C22)	14.042	2633267	18.769 ug/ml
14) T n-Tetracosane (C24)	15.144	2634201	18.646 ug/ml
15) T n-Hexacosane (C26)	16.162	2628591	18.680 ug/ml
16) T n-Octacosane (C28)	17.110	2733114	18.678 ug/ml
17) T n-Tricontane (C30)	17.998	3025791	19.030 ug/ml
18) T n-Dotriacontane (C32)	18.829	3114491	19.212 ug/ml
19) T n-Tetratriacontane (C34)	19.612	2829577	19.263 ug/ml
20) T n-Hexatriacontane (C36)	20.351	2449309	19.314 ug/ml
21) T n-Octatriacontane (C38)	21.074	2306975	18.658 ug/ml
22) T n-Tetracontane (C40)	21.959	1944491	17.463 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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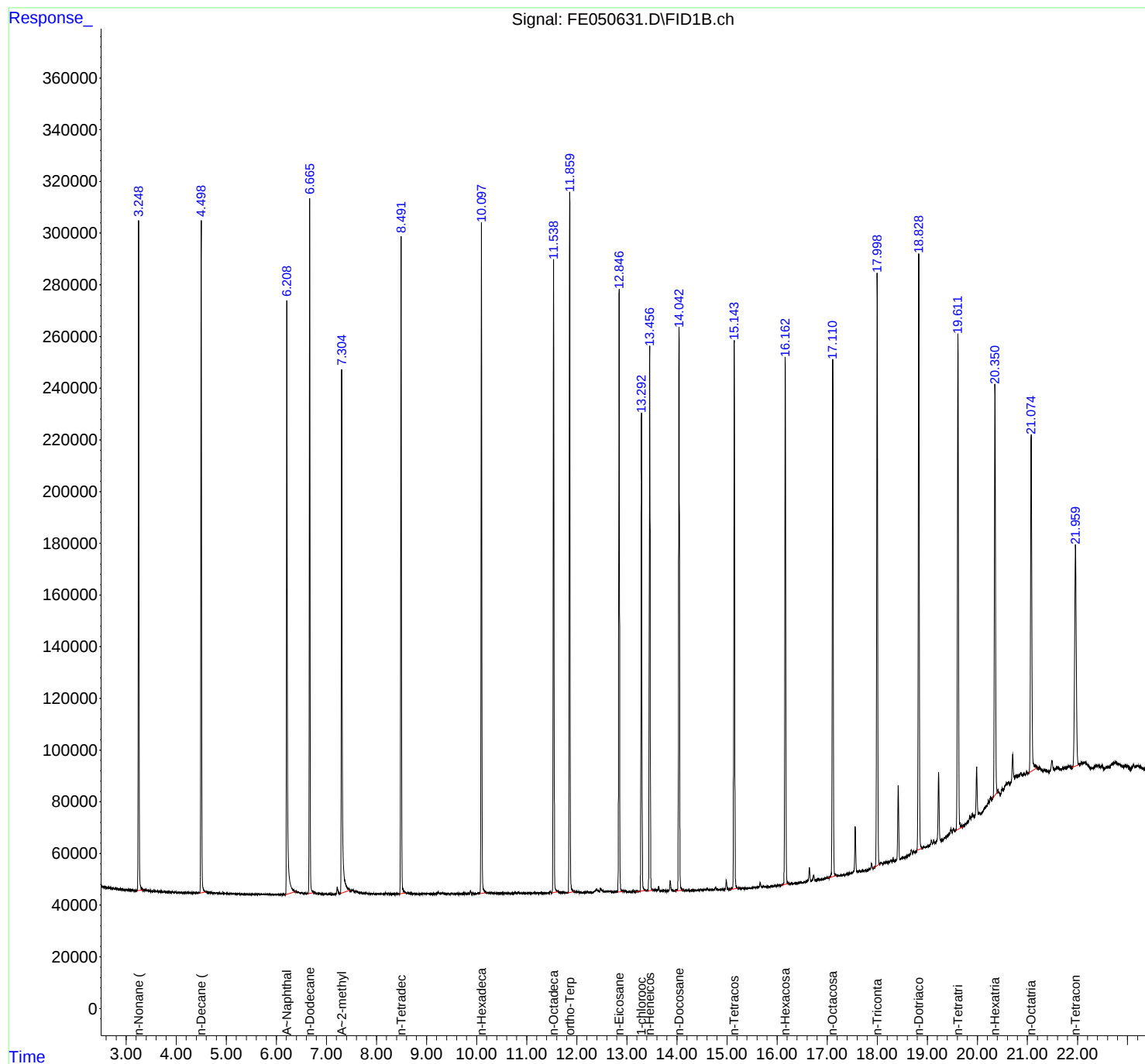
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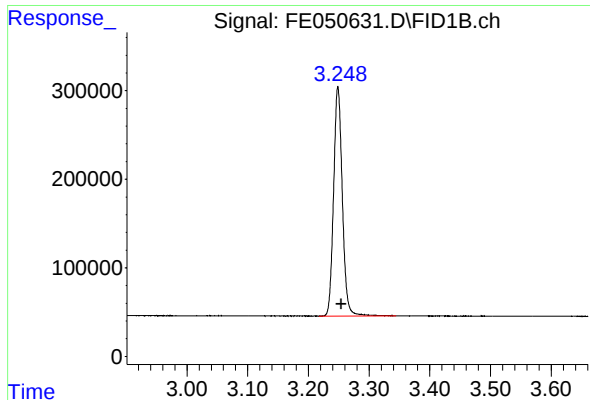
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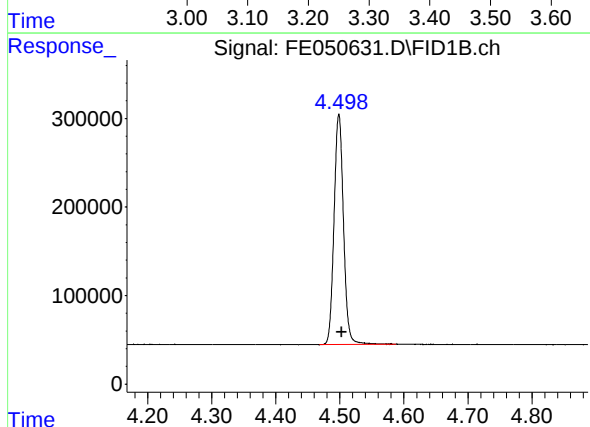
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: -0.005 min
Response: 2589832
Conc: 18.33 ug/ml

Instrument :
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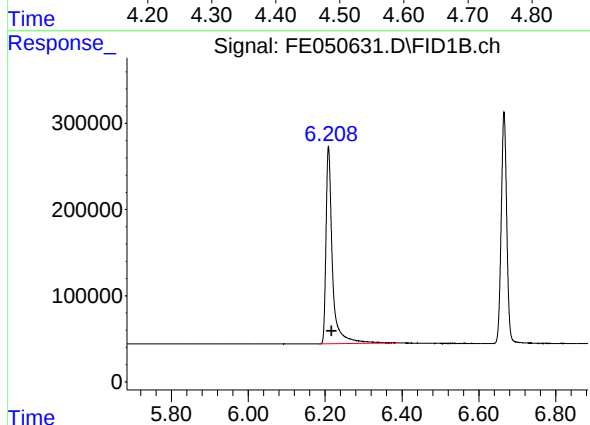
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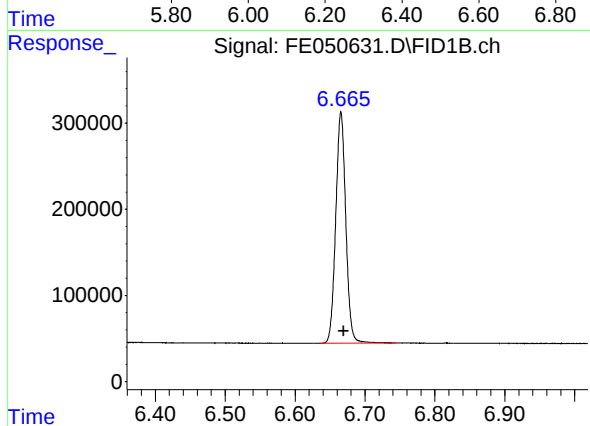
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.004 min
Response: 2667457
Conc: 18.59 ug/ml



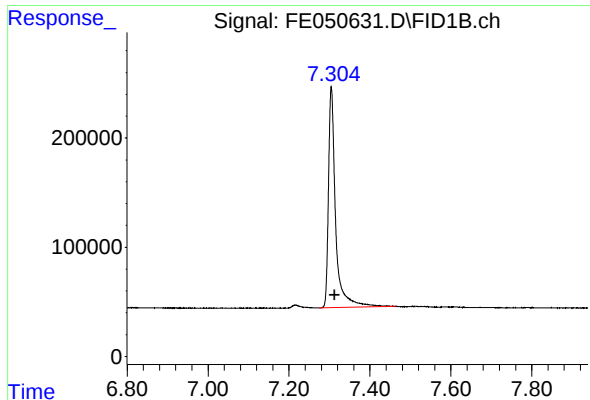
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: -0.008 min
Response: 2678206
Conc: 18.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.666 min
Delta R.T.: -0.004 min
Response: 2681156
Conc: 18.63 ug/ml



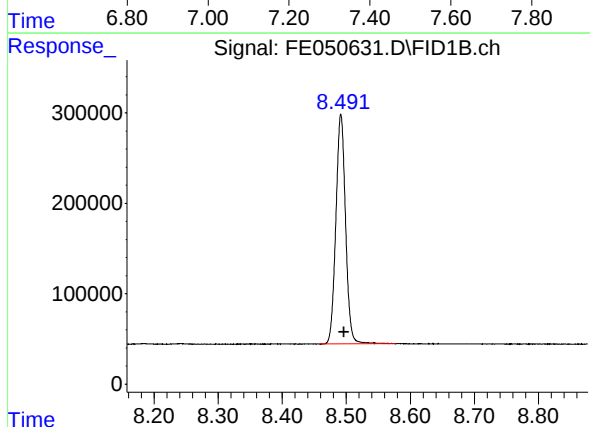
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.305 min
Delta R.T.: -0.008 min
Response: 2488263
Conc: 18.78 ug/ml

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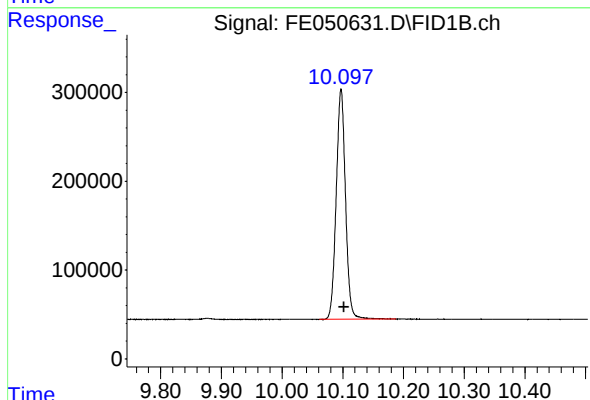
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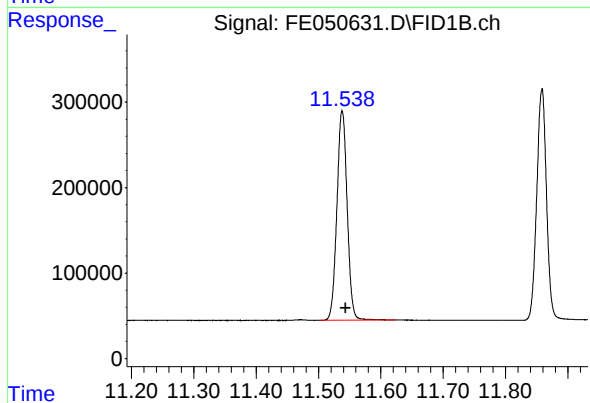
#6 n-Tetradecane (C14)

R.T.: 8.492 min
Delta R.T.: -0.005 min
Response: 2668088
Conc: 18.65 ug/ml



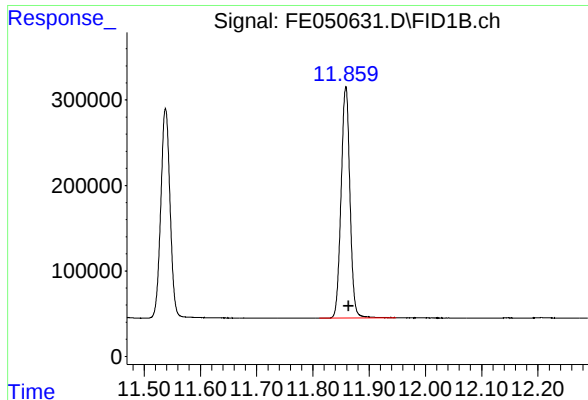
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.005 min
Response: 2767591
Conc: 18.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.538 min
Delta R.T.: -0.006 min
Response: 2804450
Conc: 18.78 ug/ml



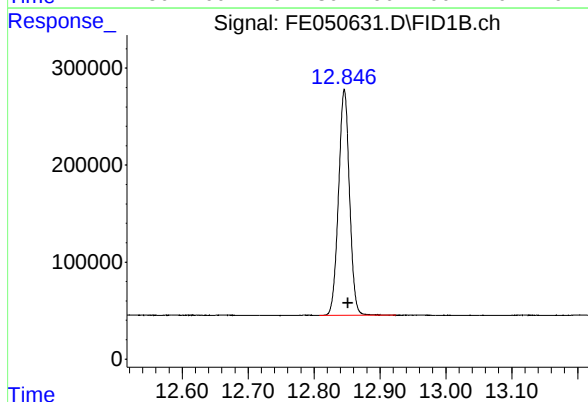
#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: -0.005 min
Response: 2956172
Conc: 18.75 ug/ml

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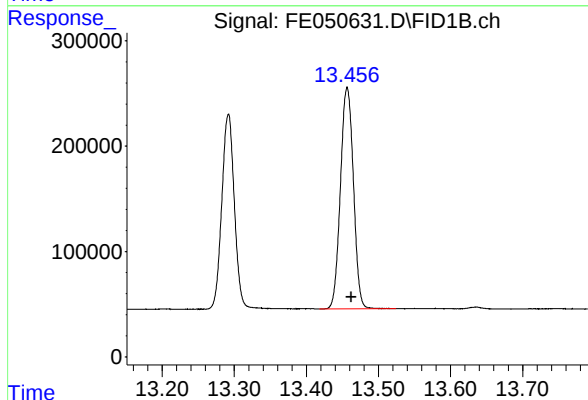
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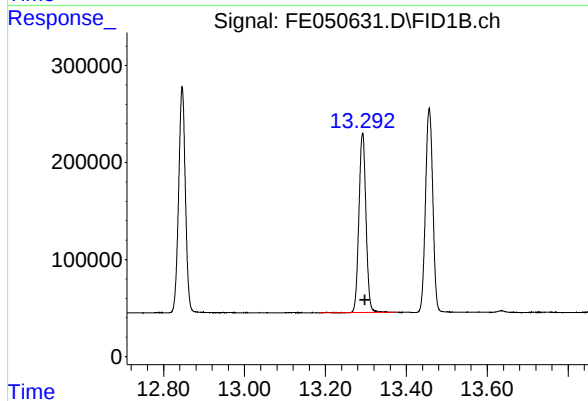
#10 n-Eicosane (C20)

R.T.: 12.846 min
Delta R.T.: -0.006 min
Response: 2697522
Conc: 18.81 ug/ml



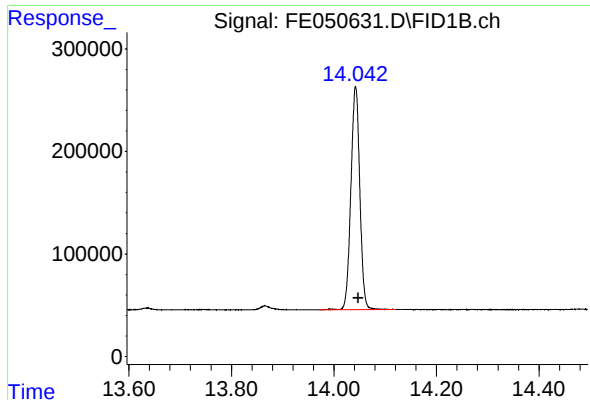
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.006 min
Response: 2633339
Conc: 18.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.292 min
Delta R.T.: -0.006 min
Response: 2243412
Conc: 18.96 ug/ml



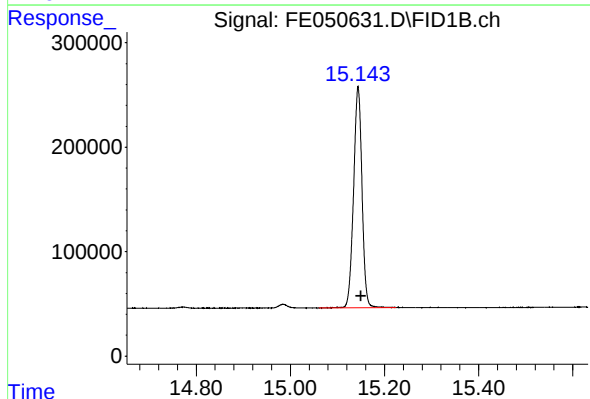
#13 n-Docosane (C22)

R.T.: 14.042 min
Delta R.T.: -0.006 min
Response: 2633267
Conc: 18.77 ug/ml

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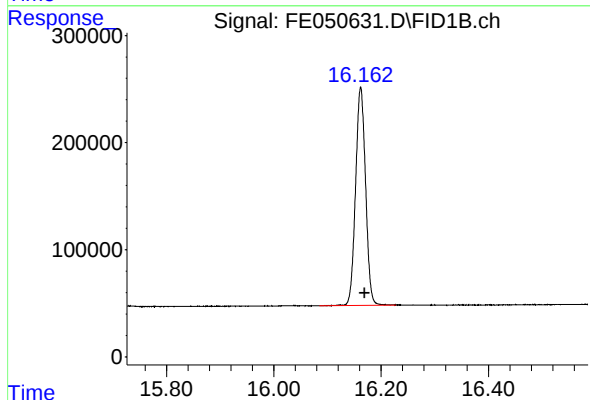
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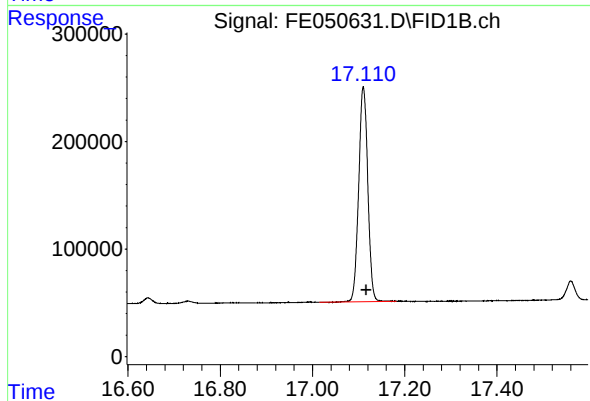
#14 n-Tetracosane (C24)

R.T.: 15.144 min
Delta R.T.: -0.006 min
Response: 2634201
Conc: 18.65 ug/ml



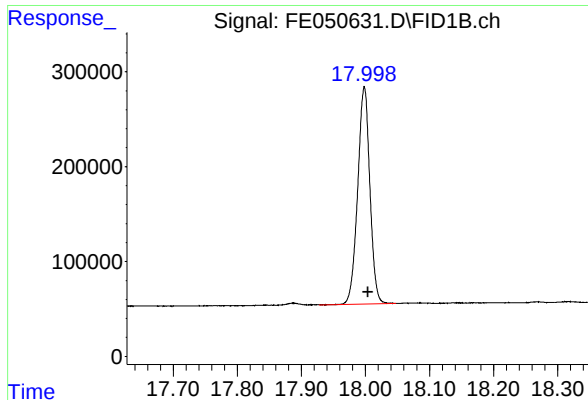
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.007 min
Response: 2628591
Conc: 18.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.110 min
Delta R.T.: -0.007 min
Response: 2733114
Conc: 18.68 ug/ml



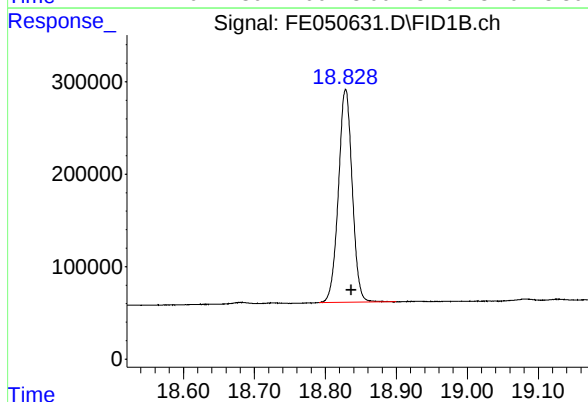
#17 n-Tricontane (C30)

R.T.: 17.998 min
Delta R.T.: -0.006 min
Response: 3025791
Conc: 19.03 ug/ml

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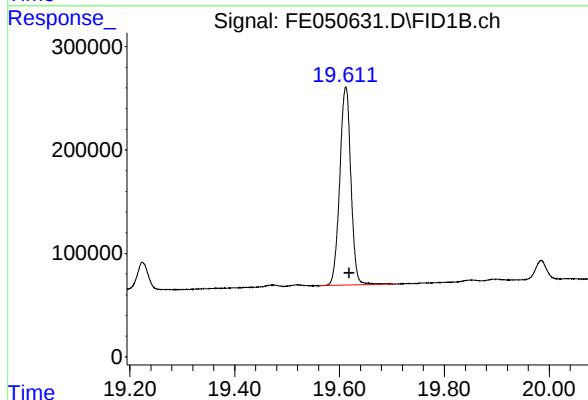
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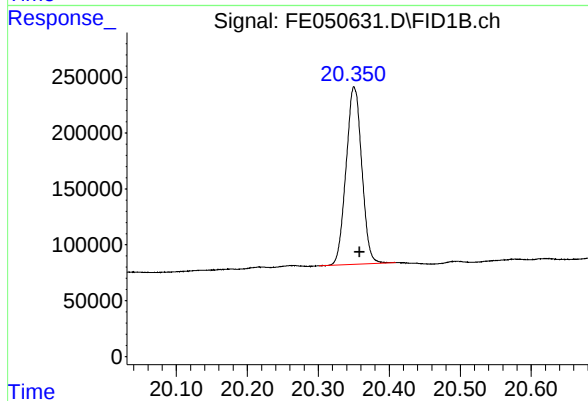
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.008 min
Response: 3114491
Conc: 19.21 ug/ml



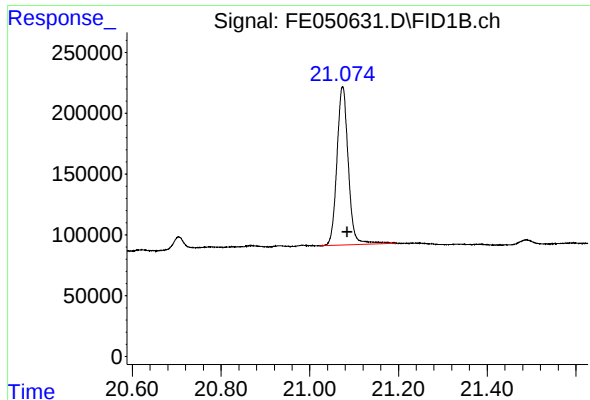
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.007 min
Response: 2829577
Conc: 19.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.008 min
Response: 2449309
Conc: 19.31 ug/ml



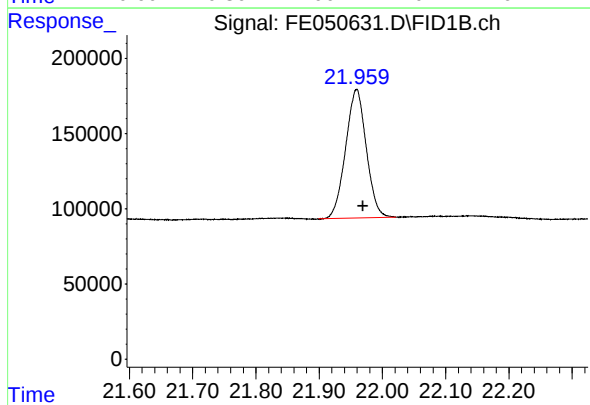
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.010 min
Response: 2306975
Conc: 18.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: -0.010 min
Response: 1944491
Conc: 17.46 ug/ml m