

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012224AL\
 Data File : FE046346.D
 Signal(s) : FID1B.ch
 Acq On : 22 Jan 2024 19:04
 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 :Ankita Jodhani 01/23/2024
 Supervised By :Sohil Jodhani 01/23/2024

Integration File: autoint1.e
 Quant Time: Jan 23 00:35:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 29 03:49:54 2023
 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)	11.825	3883735	21.371 ug/ml
Spiked Amount 50.000		Recovery =	42.74%
12) S 1-chlorooctadecane (S...	13.267	2854831	21.367 ug/ml
Spiked Amount 50.000		Recovery =	42.73%
Target Compounds			
1) T n-Nonane (C9)	3.211	3113946	20.347 ug/mlm
2) T n-Decane (C10)	4.463	3174159	20.452 ug/ml
3) T A~Naphthalene (C11.7)	6.166	3346530	20.123 ug/ml
4) T n-Dodecane (C12)	6.630	3201282	20.503 ug/ml
5) T A~2-methylnaphthalene...	7.263	3194946	20.067 ug/ml
6) T n-Tetradecane (C14)	8.456	3184433	20.443 ug/ml
7) T n-Hexadecane (C16)	10.064	3267115	20.631 ug/ml
8) T n-Octadecane (C18)	11.509	3293383	20.925 ug/ml
10) T n-Eicosane (C20)	12.821	3211521	21.229 ug/ml
11) T n-Heneicosane (C21)	13.434	3145593	21.391 ug/ml
13) T n-Docosane (C22)	14.021	3132841	21.433 ug/ml
14) T n-Tetracosane (C24)	15.125	3111782	21.456 ug/ml
15) T n-Hexacosane (C26)	16.150	3024655	21.097 ug/ml
16) T n-Octacosane (C28)	17.101	2981947	20.792 ug/ml
17) T n-Tricontane (C30)	17.991	3094778	20.821 ug/ml
18) T n-Dotriacontane (C32)	18.825	3091346	20.669 ug/ml
19) T n-Tetratriacontane (C34)	19.611	3022269	21.097 ug/ml
20) T n-Hexatriacontane (C36)	20.353	3007937	20.630 ug/mlm
21) T n-Octatriacontane (C38)	21.084	2987836	20.262 ug/ml
22) T n-Tetracontane (C40)	21.976	3248030	20.751 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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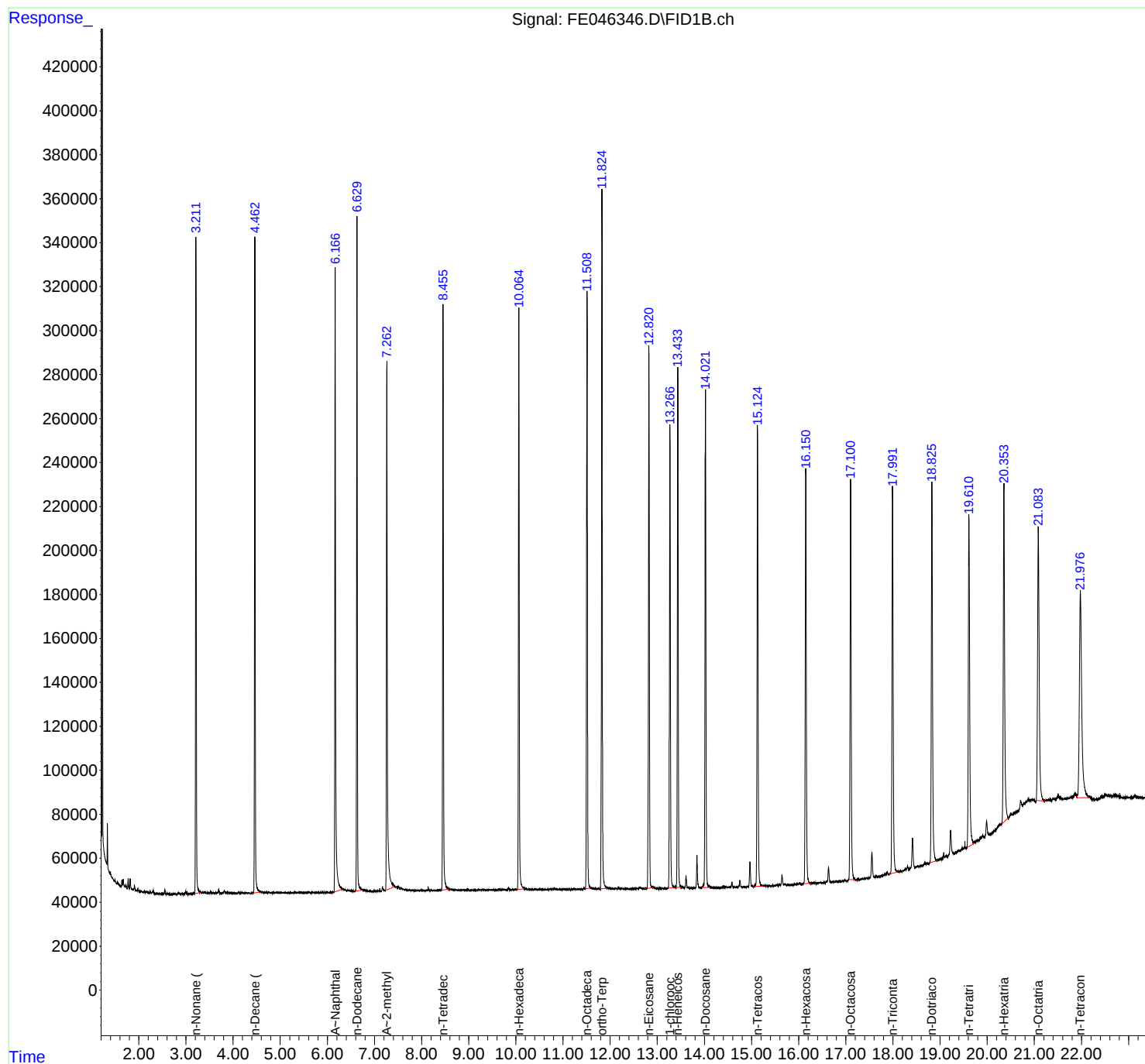
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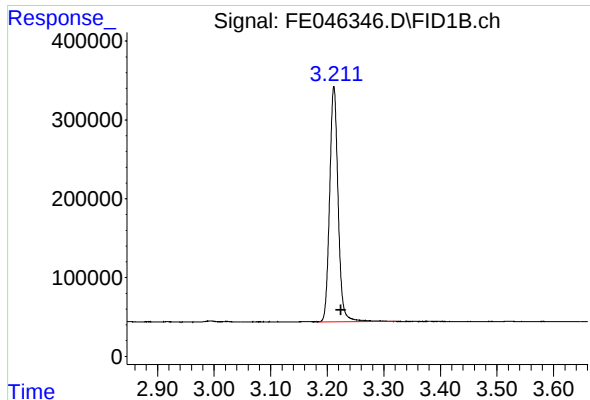
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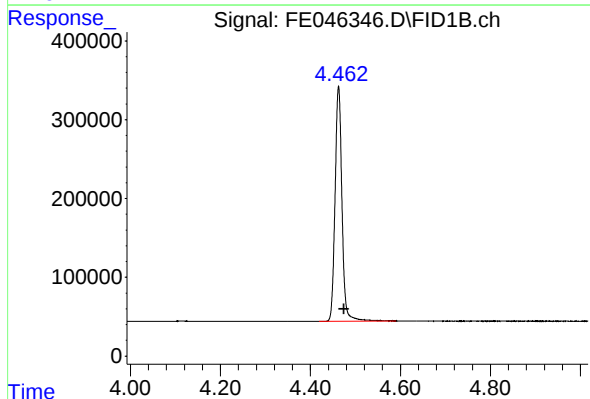
#1 n-Nonane (C9)

R.T.: 3.211 min
Delta R.T.: -0.013 min
Response: 3113946
Conc: 20.35 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

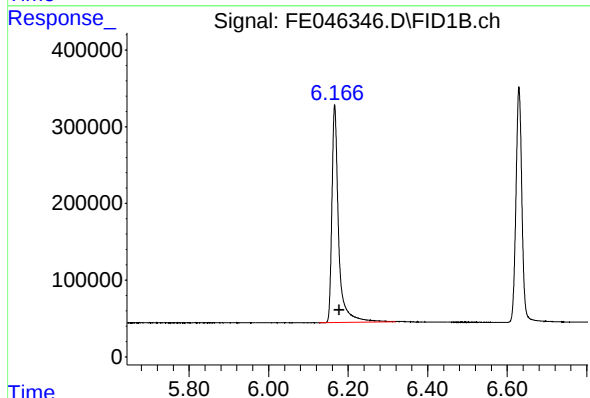
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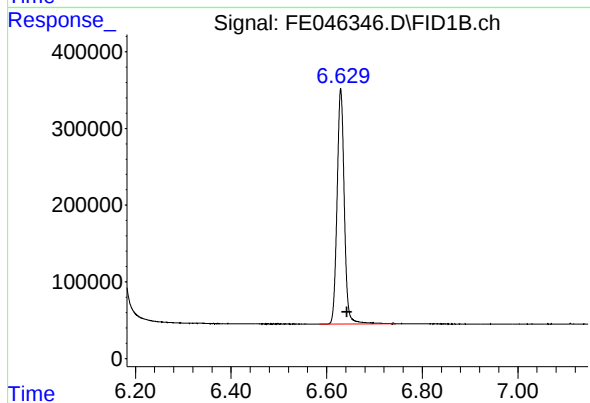
#2 n-Decane (C10)

R.T.: 4.463 min
Delta R.T.: -0.012 min
Response: 3174159
Conc: 20.45 ug/ml



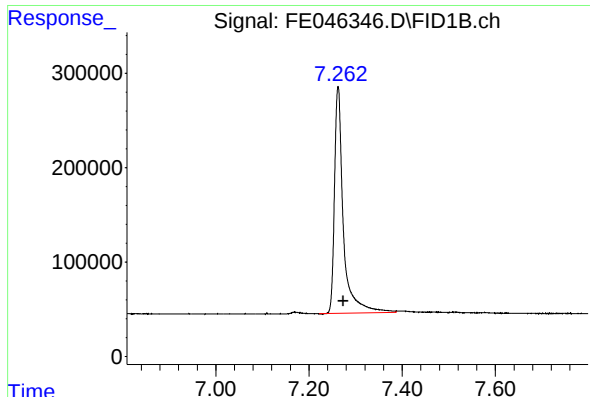
#3 A~Naphthalene (C11.7)

R.T.: 6.166 min
Delta R.T.: -0.011 min
Response: 3346530
Conc: 20.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.013 min
Response: 3201282
Conc: 20.50 ug/ml



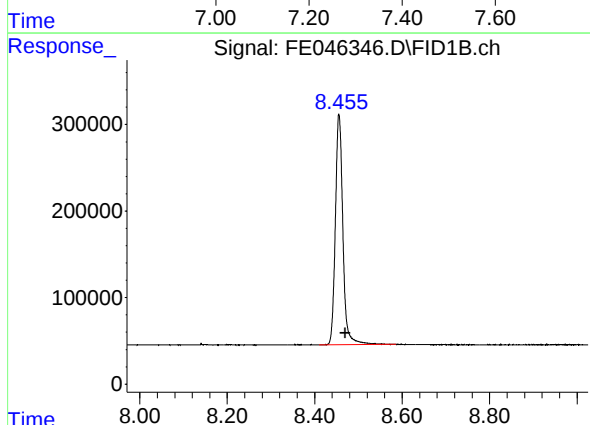
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.263 min
Delta R.T.: -0.011 min
Response: 3194946
Conc: 20.07 ug/ml

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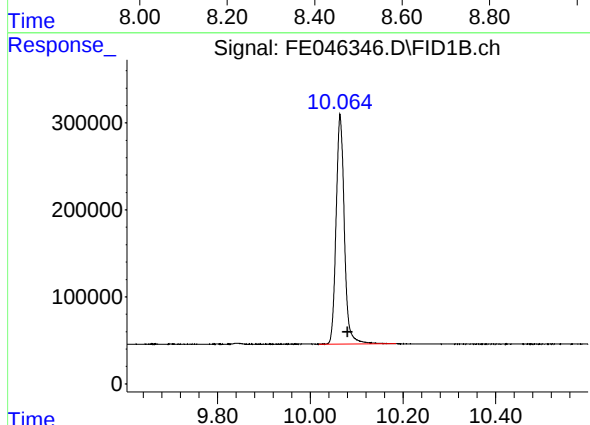
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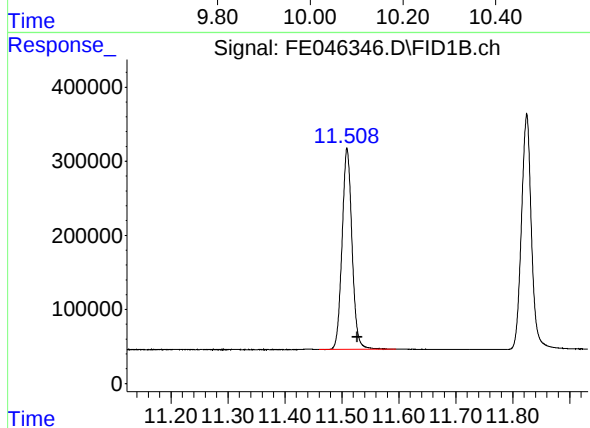
#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.014 min
Response: 3184433
Conc: 20.44 ug/ml



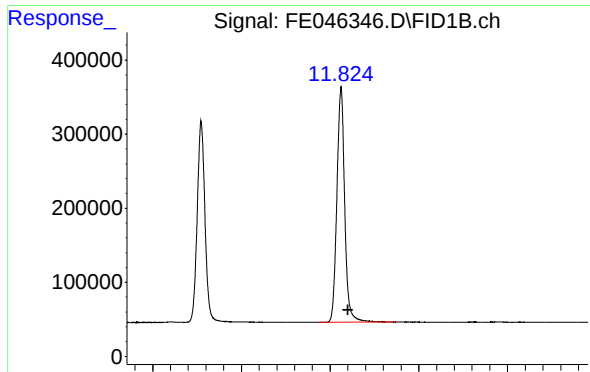
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.016 min
Response: 3267115
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: -0.018 min
Response: 3293383
Conc: 20.92 ug/ml



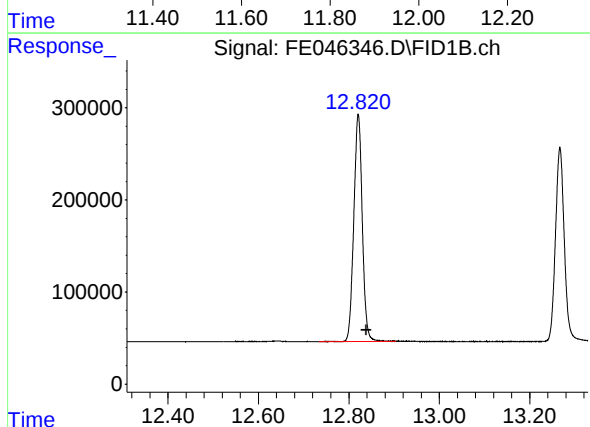
#9 ortho-Terphenyl (SURR)

R.T.: 11.825 min
Delta R.T.: -0.016 min
Response: 3883735
Conc: 21.37 ug/ml

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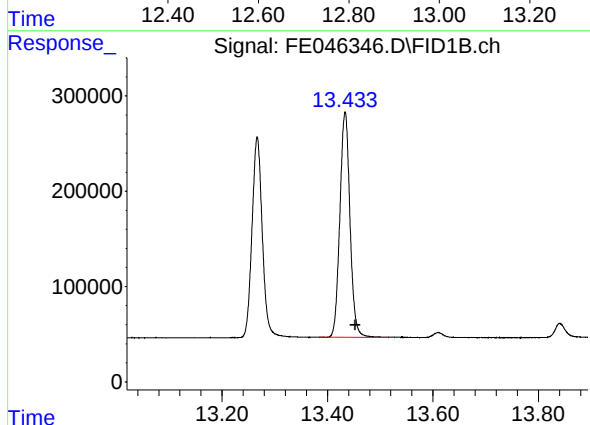
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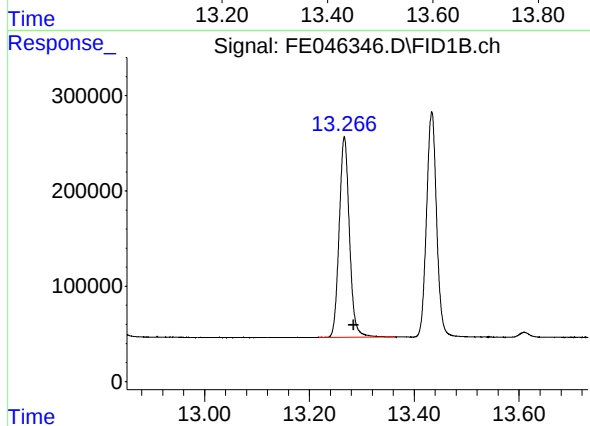
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.018 min
Response: 3211521
Conc: 21.23 ug/ml



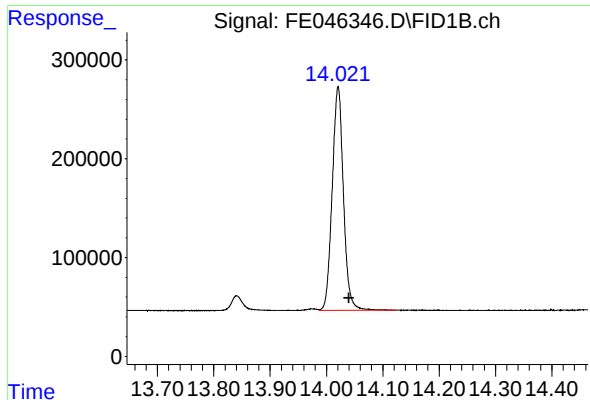
#11 n-Heneicosane (C21)

R.T.: 13.434 min
Delta R.T.: -0.019 min
Response: 3145593
Conc: 21.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.267 min
Delta R.T.: -0.018 min
Response: 2854831
Conc: 21.37 ug/ml



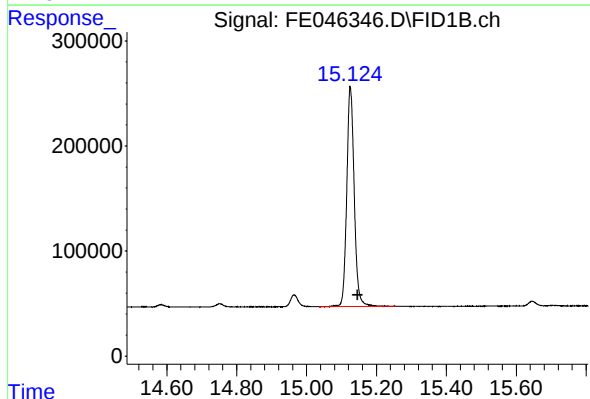
#13 n-Docosane (C22)

R.T.: 14.021 min
Delta R.T.: -0.019 min
Response: 3132841
Conc: 21.43 ug/ml

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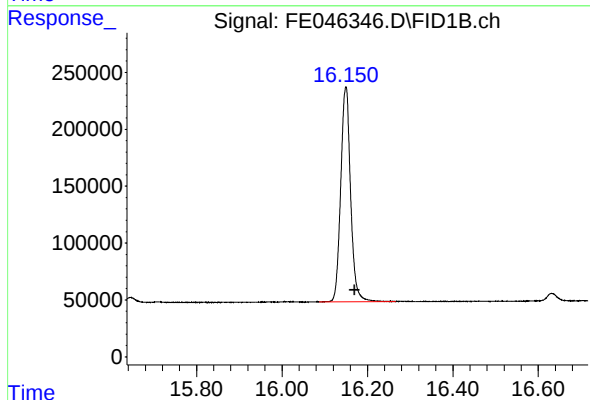
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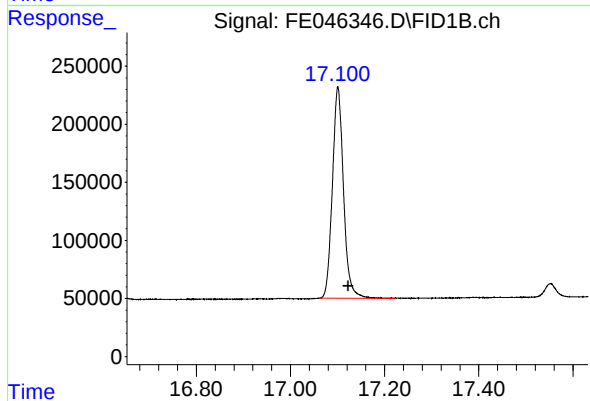
#14 n-Tetracosane (C24)

R.T.: 15.125 min
Delta R.T.: -0.020 min
Response: 3111782
Conc: 21.46 ug/ml



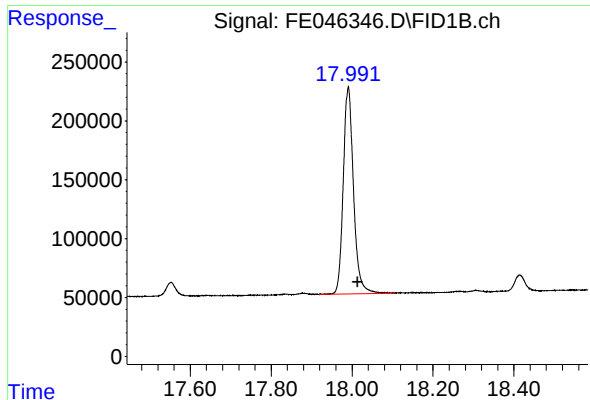
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.020 min
Response: 3024655
Conc: 21.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.022 min
Response: 2981947
Conc: 20.79 ug/ml



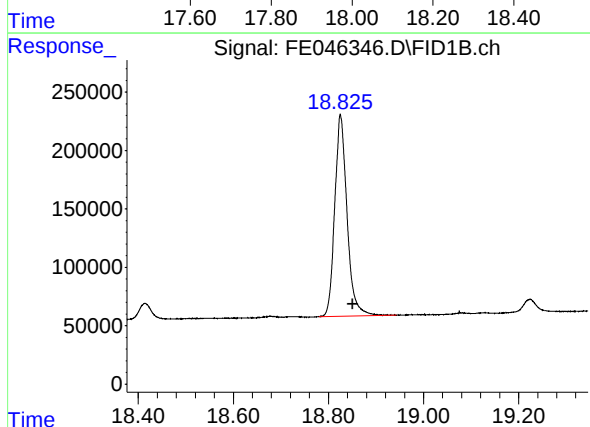
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.023 min
Response: 3094778
Conc: 20.82 ug/ml

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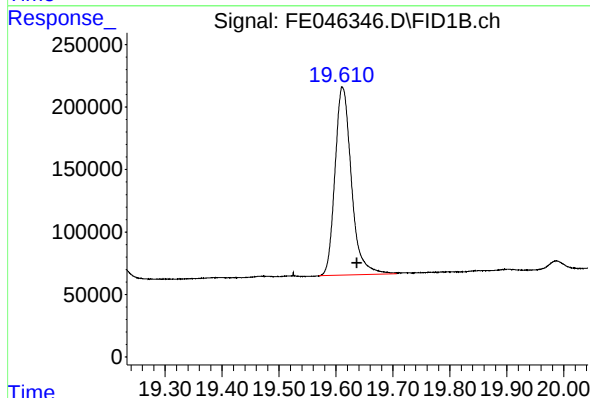
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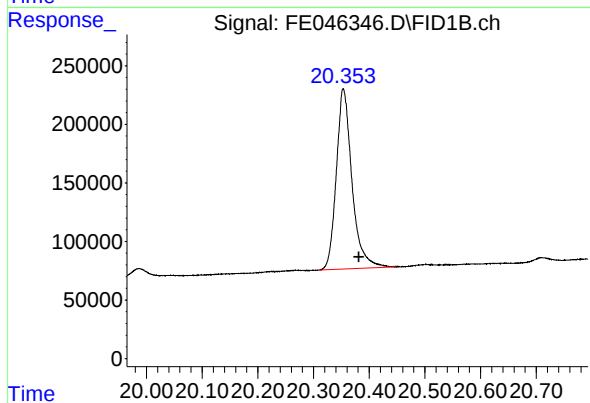
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.026 min
Response: 3091346
Conc: 20.67 ug/ml



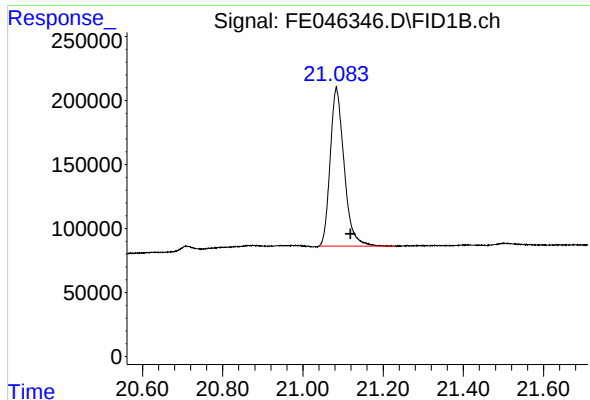
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.025 min
Response: 3022269
Conc: 21.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.029 min
Response: 3007937
Conc: 20.63 ug/ml m



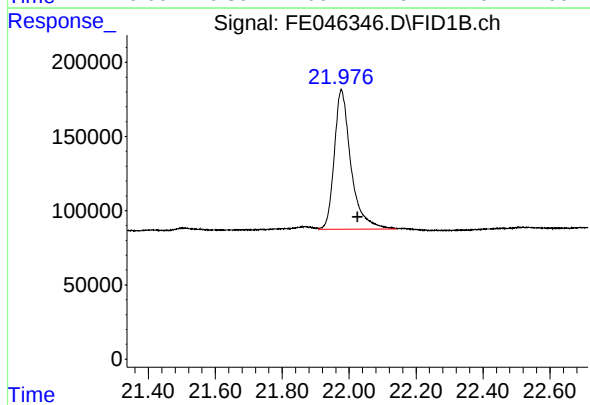
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: -0.036 min
Response: 2987836
Conc: 20.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.976 min
Delta R.T.: -0.050 min
Response: 3248030
Conc: 20.75 ug/ml m