

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060925AL\
 Data File : FE054241.D
 Signal(s) : FID1B.ch
 Acq On : 09 Jun 2025 10:16
 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 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 03:06:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.835	3323219	20.449 ug/ml
Spiked Amount 50.000		Recovery =	40.90%
12) S 1-chlorooctadecane (S...	13.280	2417711	20.394 ug/ml
Spiked Amount 50.000		Recovery =	40.79%
Target Compounds			
1) T n-Nonane (C9)	3.182	2391741	17.697 ug/ml
2) T n-Decane (C10)	4.445	2492295	18.444 ug/ml
3) T A~Naphthalene (C11.7)	6.160	2760287	19.207 ug/ml
4) T n-Dodecane (C12)	6.627	2590902	18.994 ug/ml
5) T A~2-methylnaphthalene...	7.262	2738728	19.745 ug/ml
6) T n-Tetradecane (C14)	8.462	2627955	19.474 ug/ml
7) T n-Hexadecane (C16)	10.074	2692214	19.952 ug/ml
8) T n-Octadecane (C18)	11.521	2739298	20.342 ug/ml
10) T n-Eicosane (C20)	12.834	2714098	20.651 ug/ml
11) T n-Heneicosane (C21)	13.448	2709266	20.898 ug/ml
13) T n-Docosane (C22)	14.036	2703932	21.195 ug/ml
14) T n-Tetracosane (C24)	15.142	2743342	21.926 ug/ml
15) T n-Hexacosane (C26)	16.165	2695957	22.017 ug/ml
16) T n-Octacosane (C28)	17.117	2652302	21.818 ug/ml
17) T n-Tricontane (C30)	18.008	2687997	21.579 ug/ml
18) T n-Dotriacontane (C32)	18.843	2574308	20.585 ug/ml
19) T n-Tetratriacontane (C34)	19.628	2212805	18.576 ug/ml
20) T n-Hexatriacontane (C36)	20.370	1920028	16.582 ug/ml
21) T n-Octatriacontane (C38)	21.098	1797886	16.521 ug/ml
22) T n-Tetracontane (C40)	21.994	1641212	16.539 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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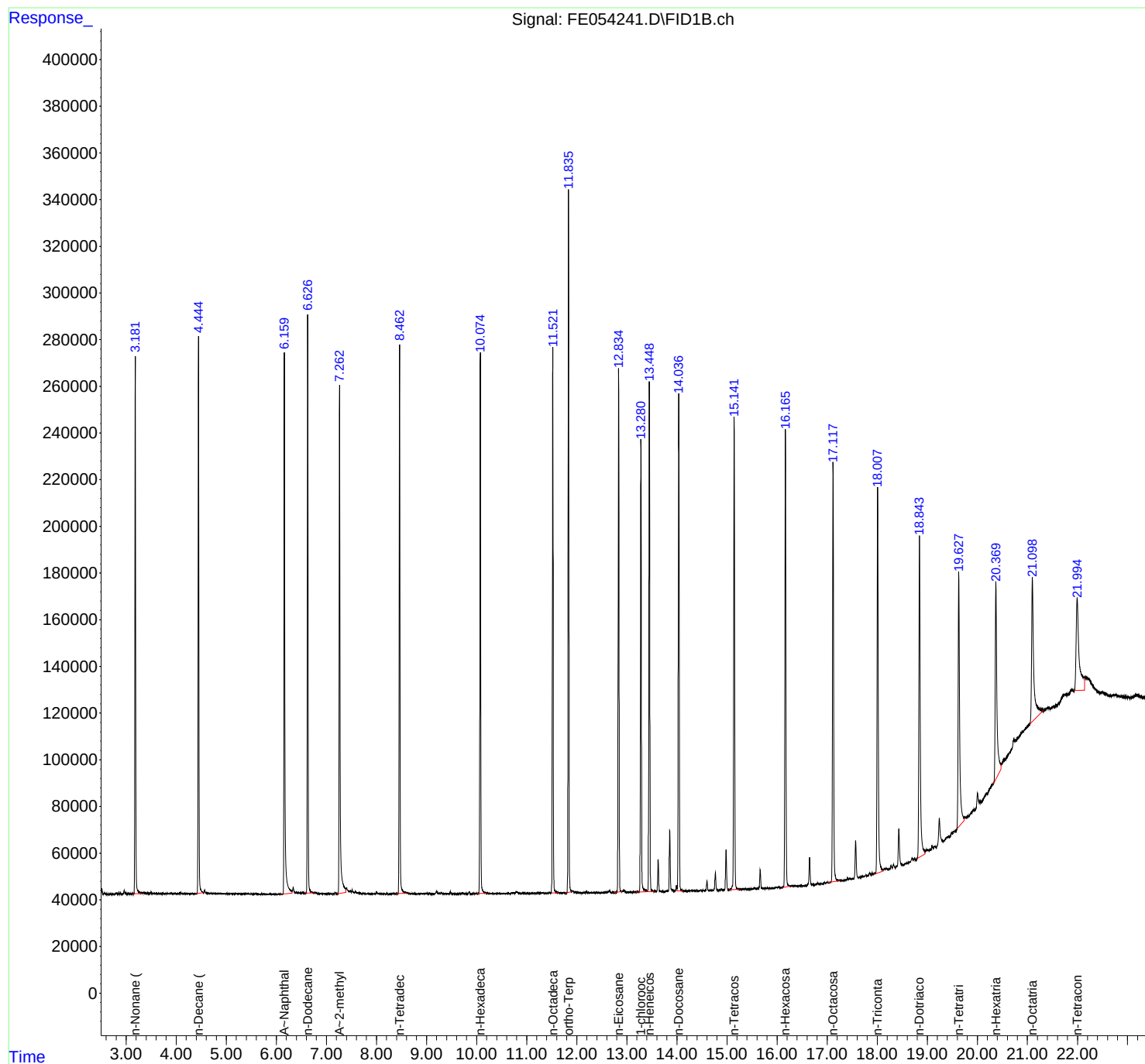
Instrument :
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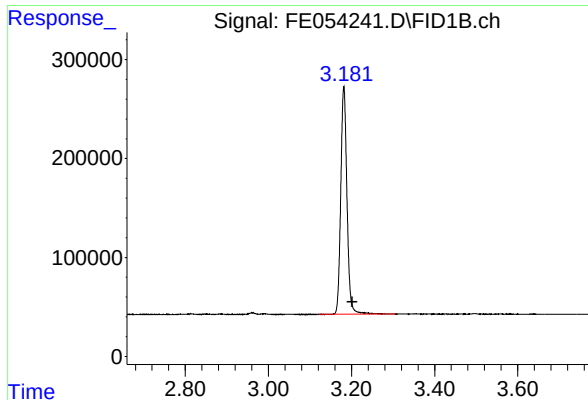
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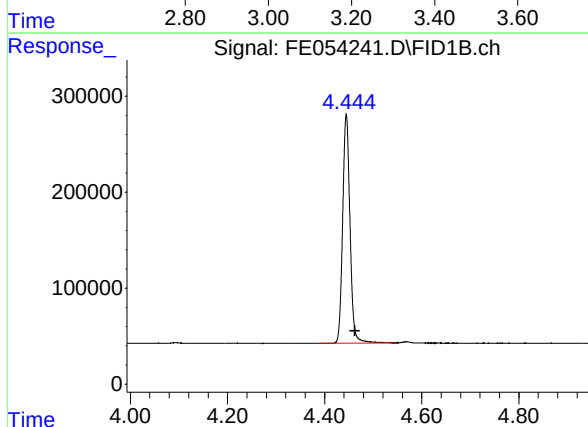
#1 n-Nonane (C9)

R.T.: 3.182 min
Delta R.T.: -0.020 min
Response: 2391741
Conc: 17.70 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

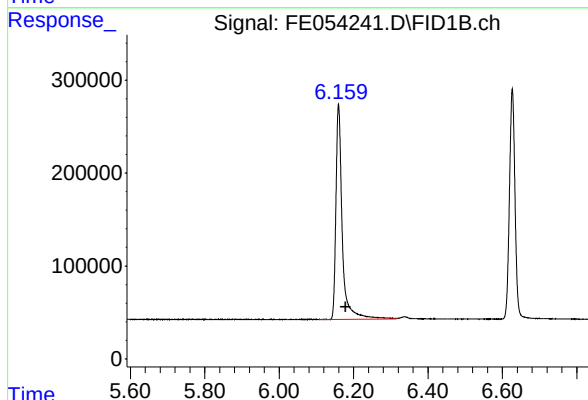
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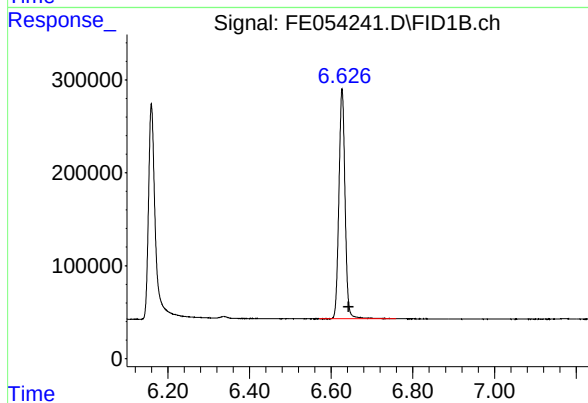
#2 n-Decane (C10)

R.T.: 4.445 min
Delta R.T.: -0.018 min
Response: 2492295
Conc: 18.44 ug/ml



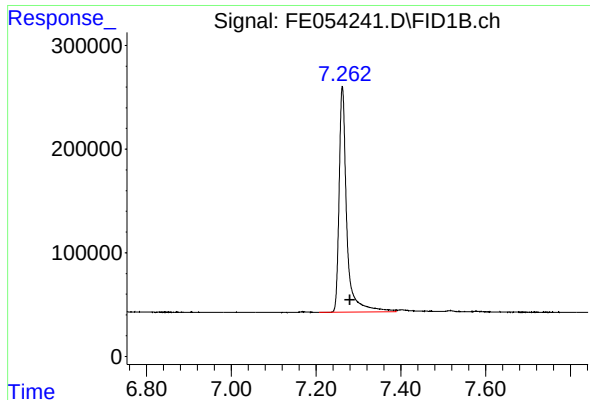
#3 A~Naphthalene (C11.7)

R.T.: 6.160 min
Delta R.T.: -0.019 min
Response: 2760287
Conc: 19.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.627 min
Delta R.T.: -0.016 min
Response: 2590902
Conc: 18.99 ug/ml



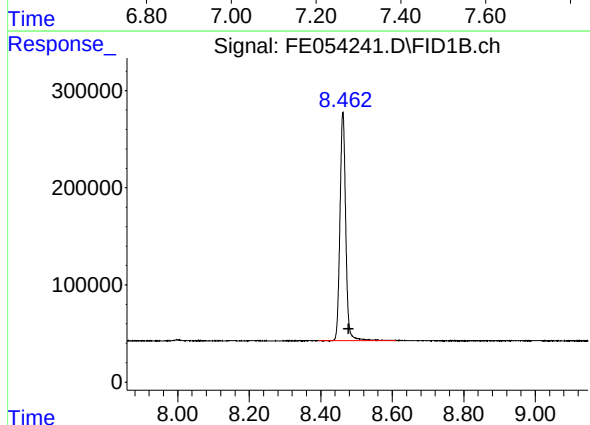
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.262 min
Delta R.T.: -0.018 min
Response: 2738728
Conc: 19.74 ug/ml

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20 PPM ALIPHATIC HC STD

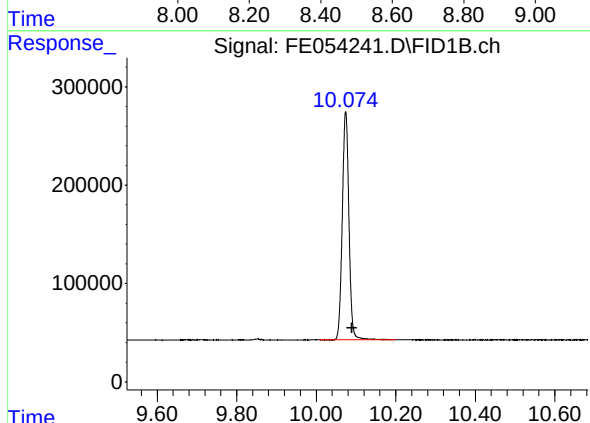
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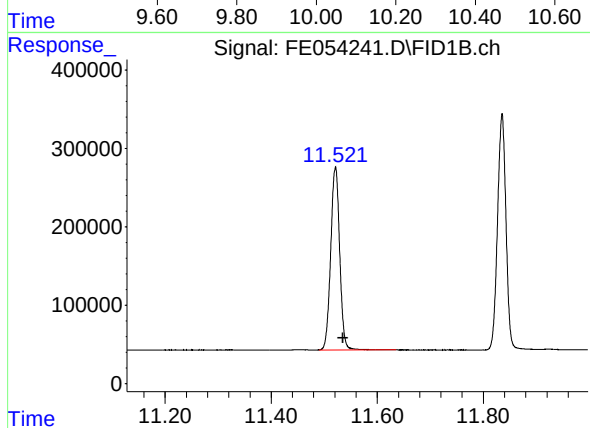
#6 n-Tetradecane (C14)

R.T.: 8.462 min
Delta R.T.: -0.015 min
Response: 2627955
Conc: 19.47 ug/ml



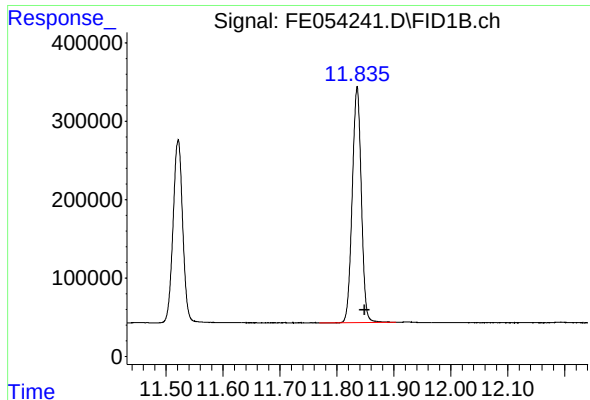
#7 n-Hexadecane (C16)

R.T.: 10.074 min
Delta R.T.: -0.016 min
Response: 2692214
Conc: 19.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.015 min
Response: 2739298
Conc: 20.34 ug/ml



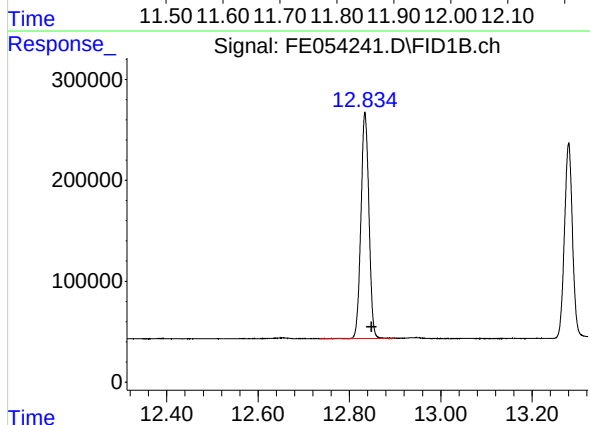
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min
Delta R.T.: -0.013 min
Response: 3323219
Conc: 20.45 ug/ml

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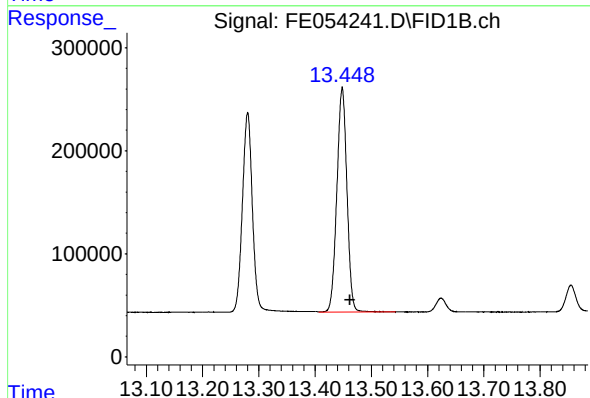
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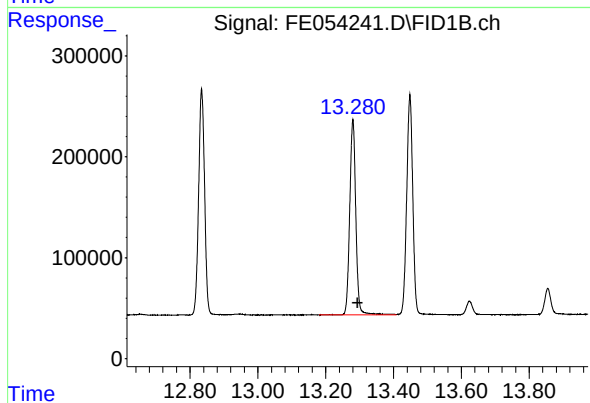
#10 n-Eicosane (C20)

R.T.: 12.834 min
Delta R.T.: -0.014 min
Response: 2714098
Conc: 20.65 ug/ml



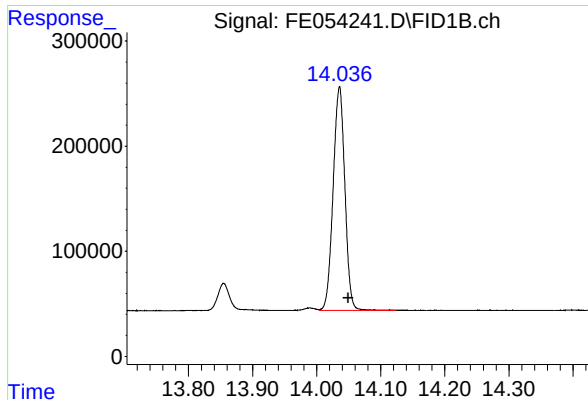
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: -0.014 min
Response: 2709266
Conc: 20.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.280 min
Delta R.T.: -0.014 min
Response: 2417711
Conc: 20.39 ug/ml



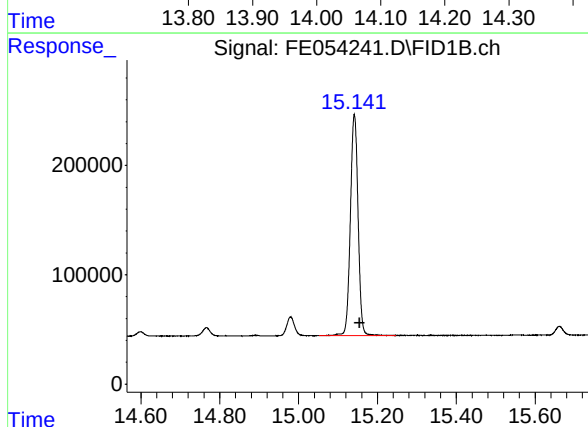
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: -0.014 min
Response: 2703932
Conc: 21.19 ug/ml

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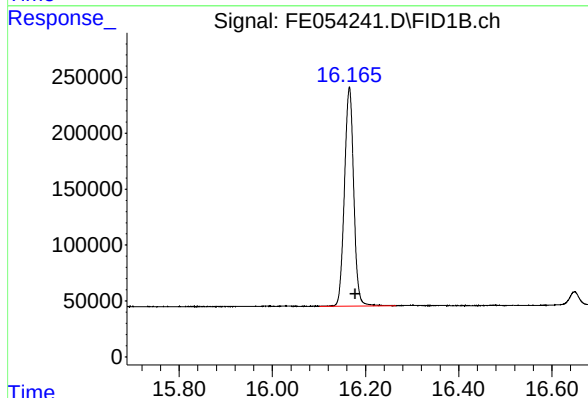
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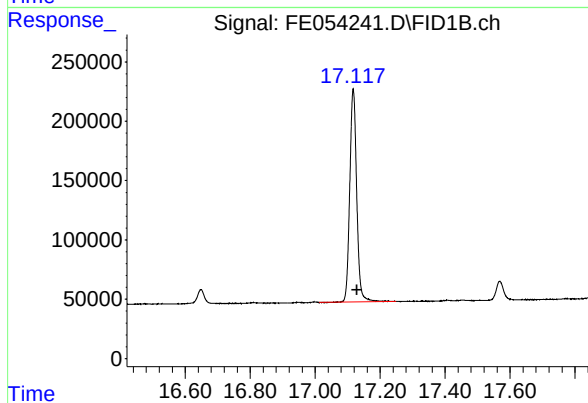
#14 n-Tetracosane (C24)

R.T.: 15.142 min
Delta R.T.: -0.013 min
Response: 2743342
Conc: 21.93 ug/ml



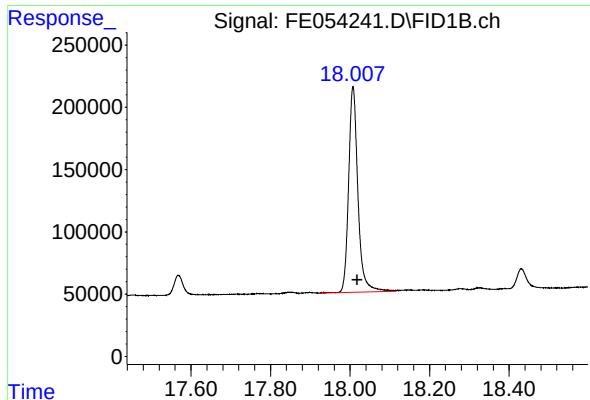
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.012 min
Response: 2695957
Conc: 22.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.011 min
Response: 2652302
Conc: 21.82 ug/ml



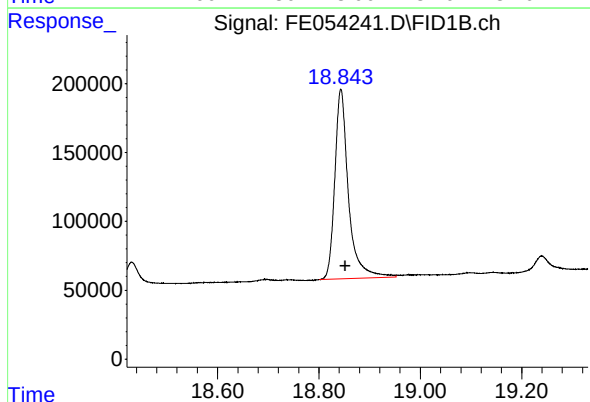
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.010 min
Response: 2687997
Conc: 21.58 ug/ml

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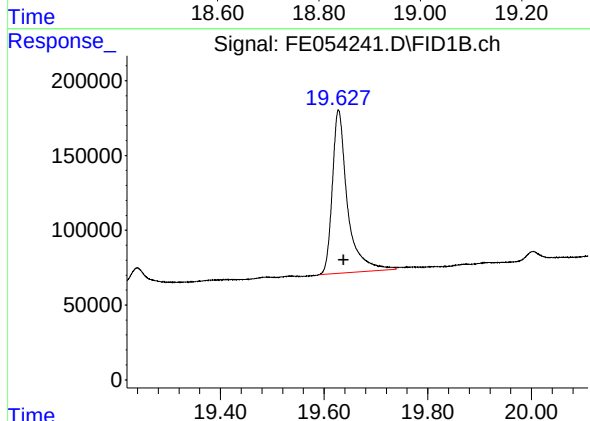
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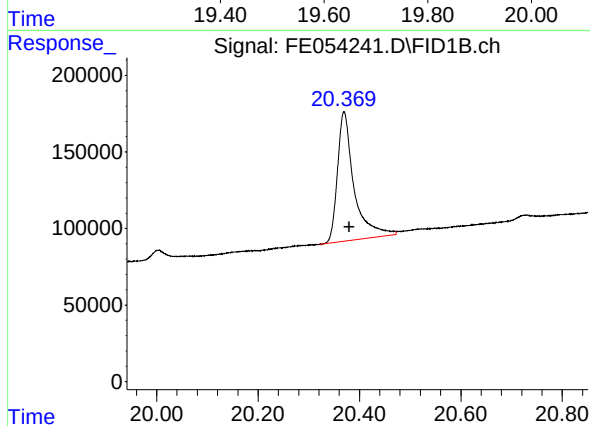
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.009 min
Response: 2574308
Conc: 20.59 ug/ml



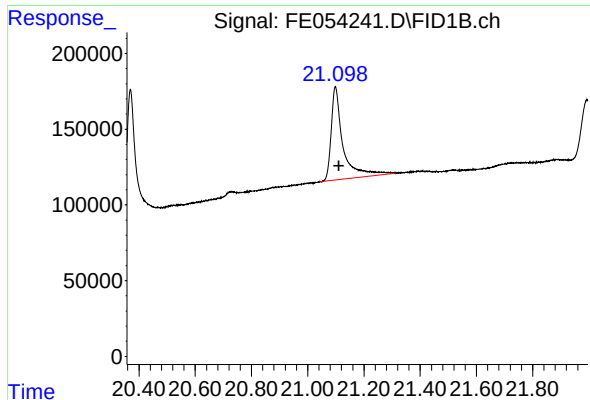
#19 n-Tetatriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.010 min
Response: 2212805
Conc: 18.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.011 min
Response: 1920028
Conc: 16.58 ug/ml



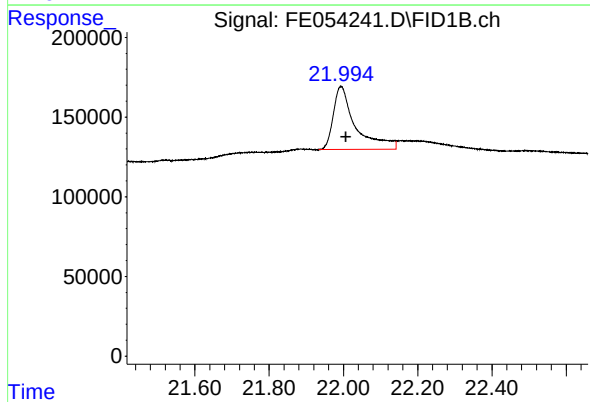
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.012 min
Response: 1797886
Conc: 16.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.013 min
Response: 1641212
Conc: 16.54 ug/ml m