

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060625AL\
 Data File : FE054215.D
 Signal(s) : FID1B.ch
 Acq On : 06 Jun 2025 11:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 00:53:05 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)	11.833	2892319	17.798 ug/ml
Spiked Amount 50.000		Recovery =	35.60%
12) S 1-chlorooctadecane (S...	13.279	2167615	18.284 ug/ml
Spiked Amount 50.000		Recovery =	36.57%
Target Compounds			
1) T n-Nonane (C9)	3.180	2198035	16.263 ug/mlm
2) T n-Decane (C10)	4.443	2196072	16.251 ug/mlm
3) T A~Naphthalene (C11.7)	6.158	2444714	17.011 ug/mlm
4) T n-Dodecane (C12)	6.625	2182077	15.997 ug/ml
5) T A~2-methylnaphthalene...	7.261	2263318	16.317 ug/ml
6) T n-Tetradecane (C14)	8.460	2273552	16.848 ug/ml
7) T n-Hexadecane (C16)	10.072	2303594	17.072 ug/ml
8) T n-Octadecane (C18)	11.519	2353292	17.476 ug/ml
10) T n-Eicosane (C20)	12.833	2344918	17.842 ug/ml
11) T n-Heneicosane (C21)	13.447	2340404	18.053 ug/ml
13) T n-Docosane (C22)	14.034	2316329	18.156 ug/ml
14) T n-Tetracosane (C24)	15.140	2291775	18.317 ug/ml
15) T n-Hexacosane (C26)	16.162	2239931	18.292 ug/ml
16) T n-Octacosane (C28)	17.114	2209891	18.179 ug/ml
17) T n-Tricontane (C30)	18.003	2261954	18.159 ug/ml
18) T n-Dotriacontane (C32)	18.838	2294923	18.351 ug/ml
19) T n-Tetratriacontane (C34)	19.620	2242954	18.829 ug/mlm
20) T n-Hexatriacontane (C36)	20.364	2320362	20.040 ug/ml
21) T n-Octatriacontane (C38)	21.091	2291123	21.053 ug/ml
22) T n-Tetracontane (C40)	21.984	2296747	23.145 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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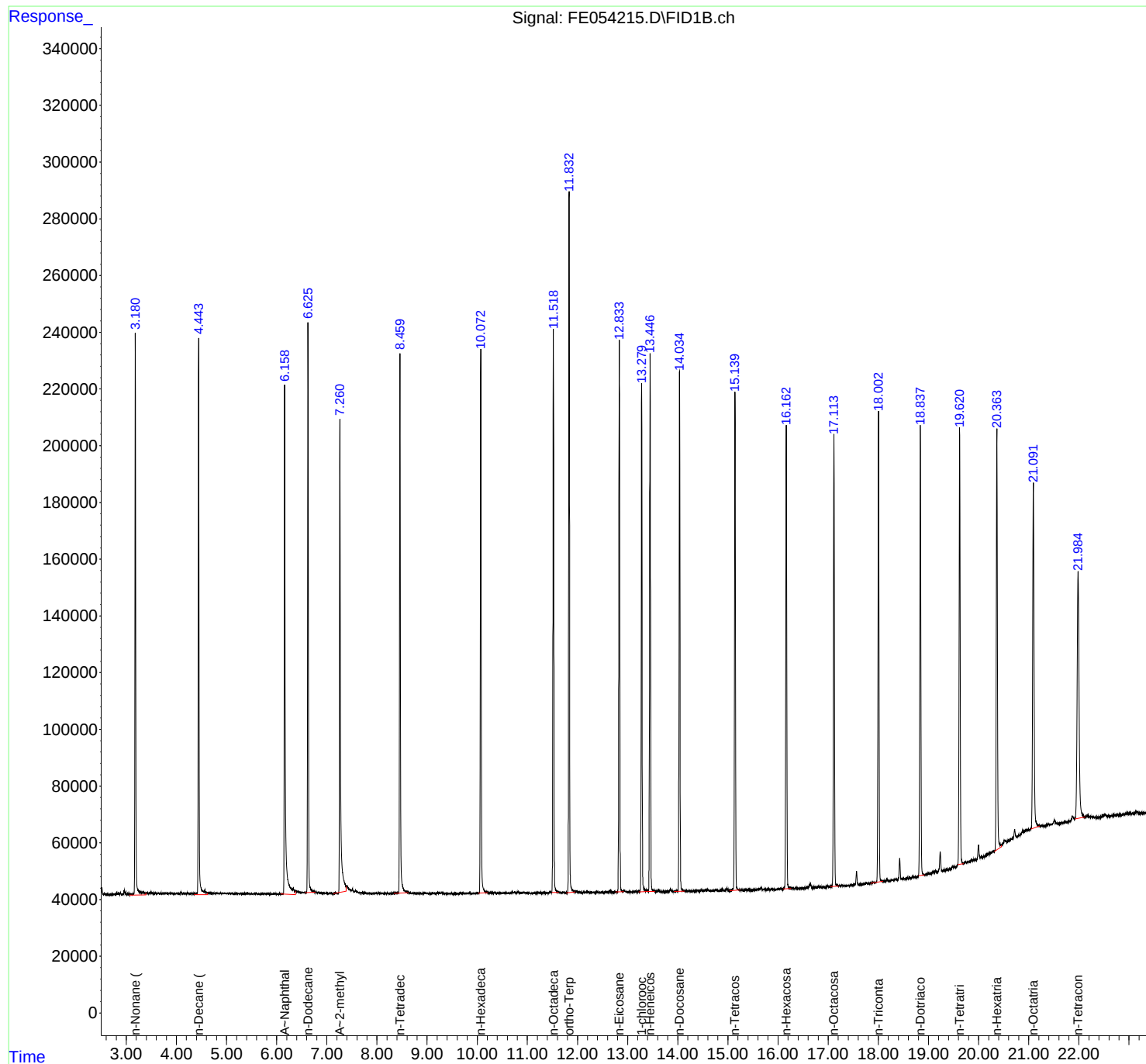
Instrument :
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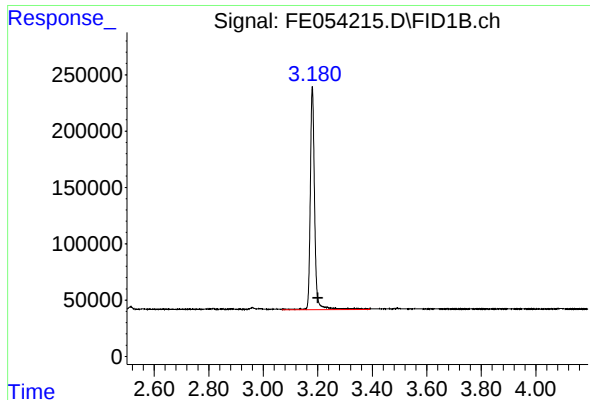
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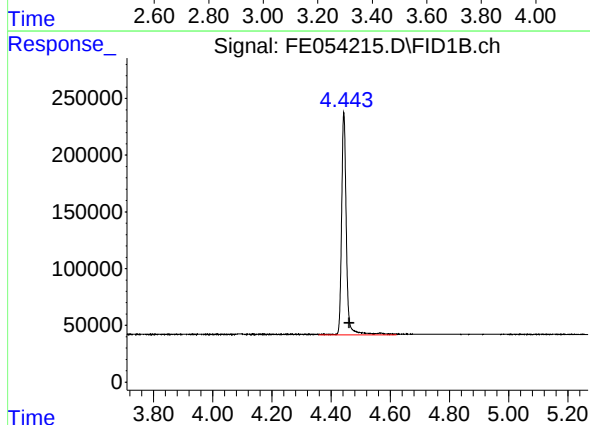
#1 n-Nonane (C9)

R.T.: 3.180 min
Delta R.T.: -0.022 min
Response: 2198035
Conc: 16.26 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

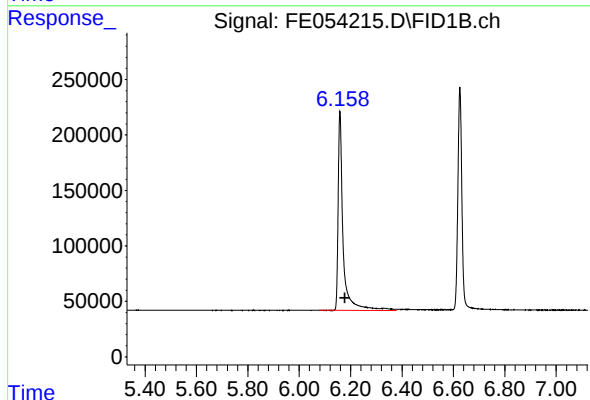
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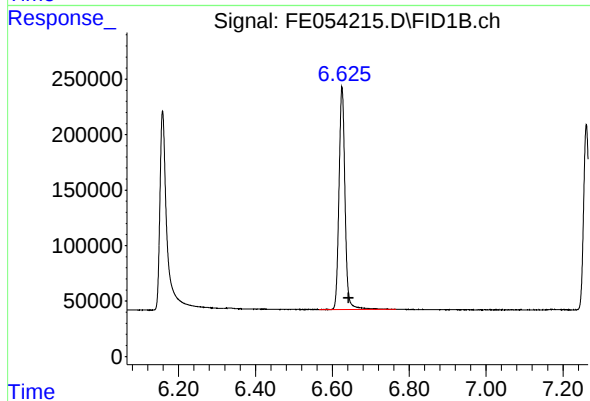
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: -0.020 min
Response: 2196072
Conc: 16.25 ug/ml m



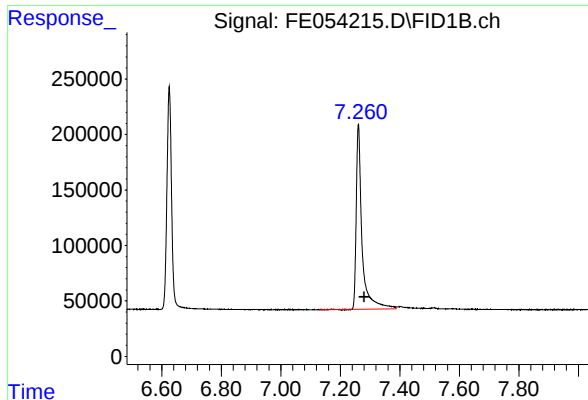
#3 A~Naphthalene (C11.7)

R.T.: 6.158 min
Delta R.T.: -0.020 min
Response: 2444714
Conc: 17.01 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.625 min
Delta R.T.: -0.017 min
Response: 2182077
Conc: 16.00 ug/ml



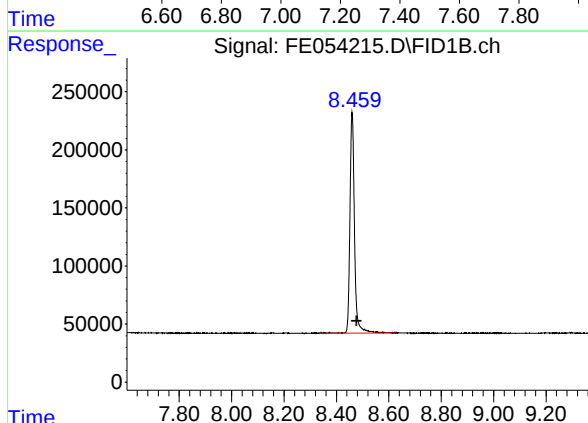
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.261 min
Delta R.T.: -0.019 min
Response: 2263318
Conc: 16.32 ug/ml

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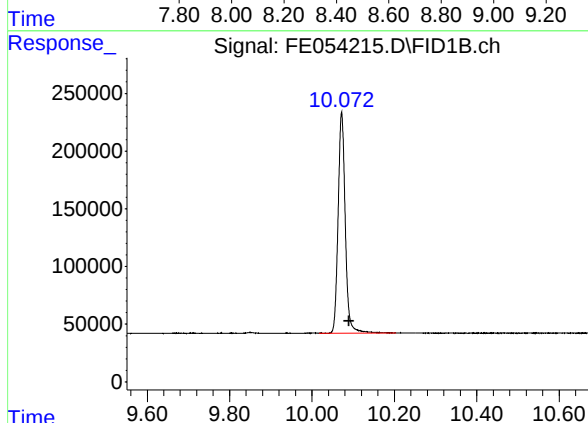
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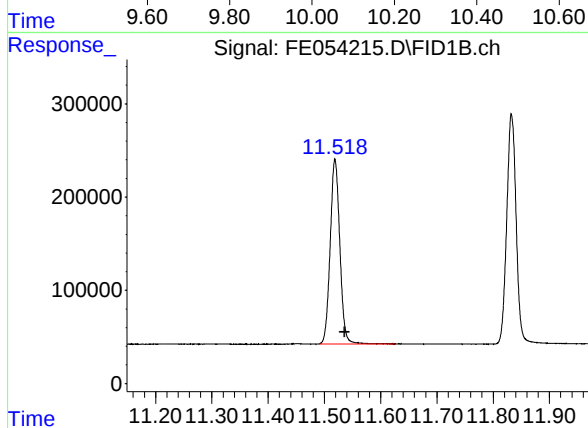
#6 n-Tetradecane (C14)

R.T.: 8.460 min
Delta R.T.: -0.017 min
Response: 2273552
Conc: 16.85 ug/ml



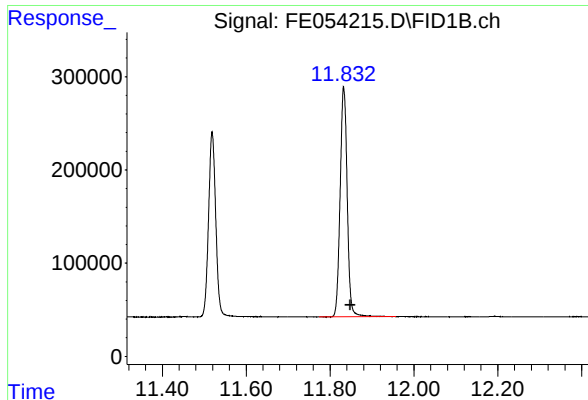
#7 n-Hexadecane (C16)

R.T.: 10.072 min
Delta R.T.: -0.018 min
Response: 2303594
Conc: 17.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.519 min
Delta R.T.: -0.017 min
Response: 2353292
Conc: 17.48 ug/ml



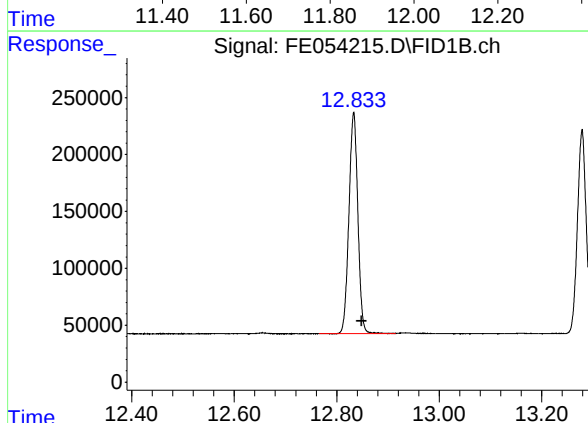
#9 ortho-Terphenyl (SURR)

R.T.: 11.833 min
Delta R.T.: -0.016 min
Response: 2892319
Conc: 17.80 ug/ml

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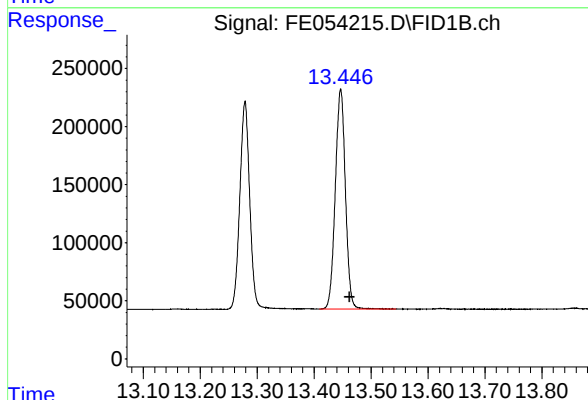
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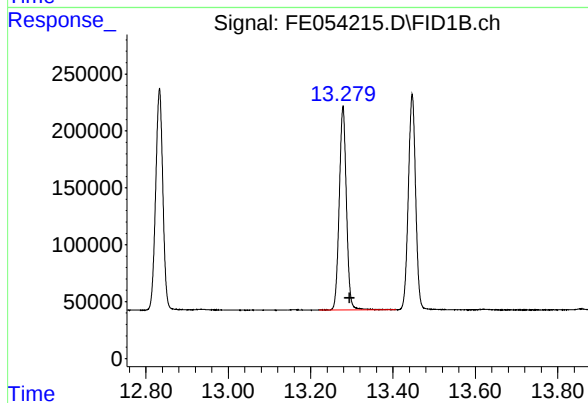
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.016 min
Response: 2344918
Conc: 17.84 ug/ml



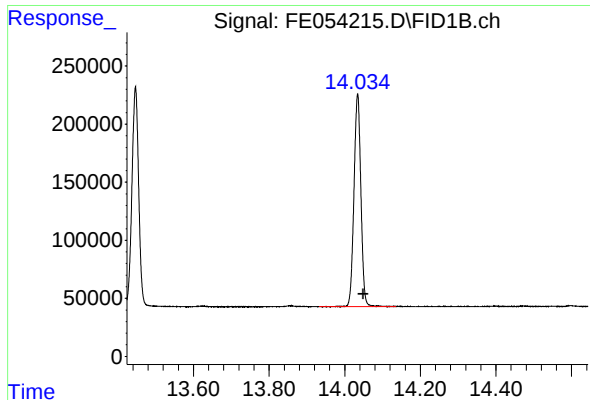
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: -0.016 min
Response: 2340404
Conc: 18.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.279 min
Delta R.T.: -0.016 min
Response: 2167615
Conc: 18.28 ug/ml



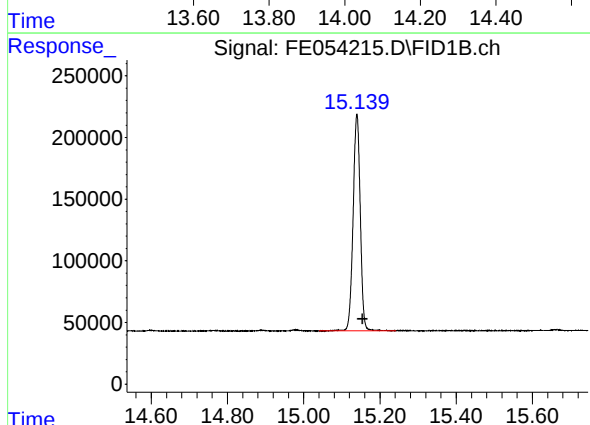
#13 n-Docosane (C22)

R.T.: 14.034 min
Delta R.T.: -0.015 min
Response: 2316329
Conc: 18.16 ug/ml

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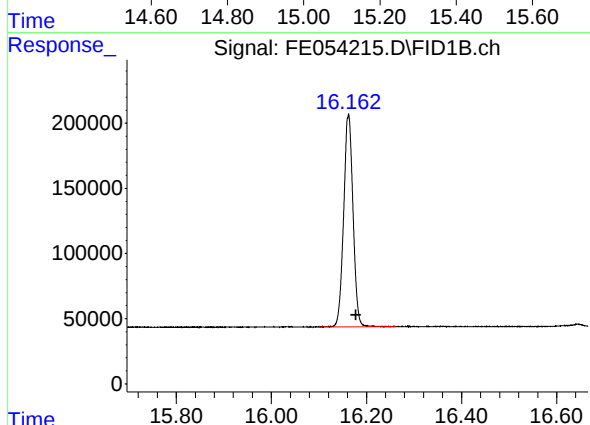
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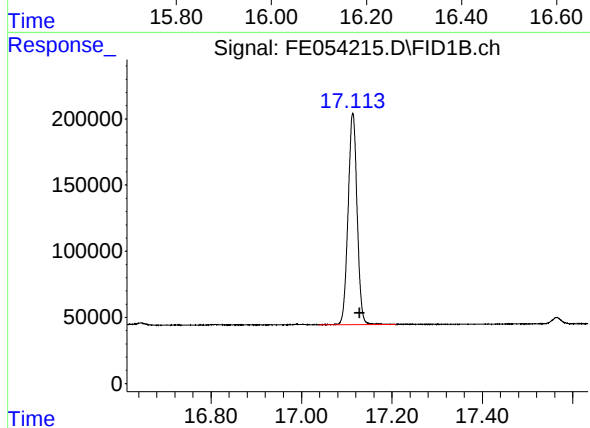
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.015 min
Response: 2291775
Conc: 18.32 ug/ml



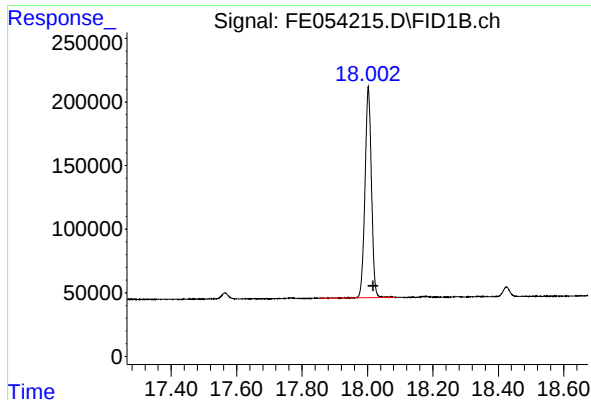
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.016 min
Response: 2239931
Conc: 18.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.015 min
Response: 2209891
Conc: 18.18 ug/ml



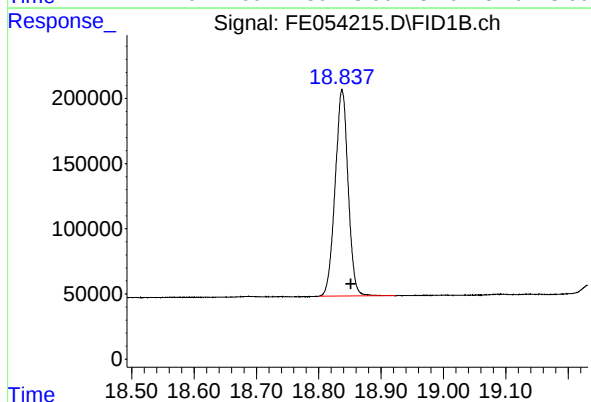
#17 n-Tricontane (C30)

R.T.: 18.003 min
Delta R.T.: -0.015 min
Response: 2261954
Conc: 18.16 ug/ml

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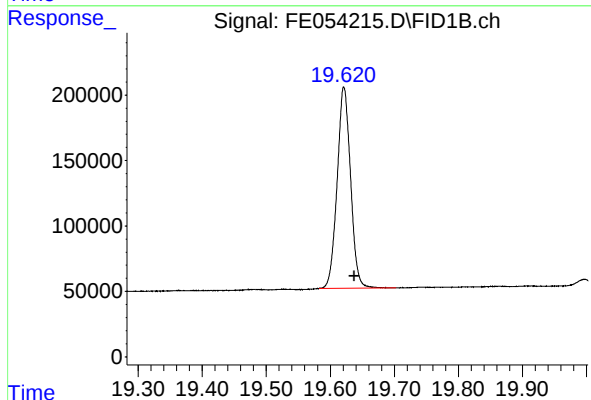
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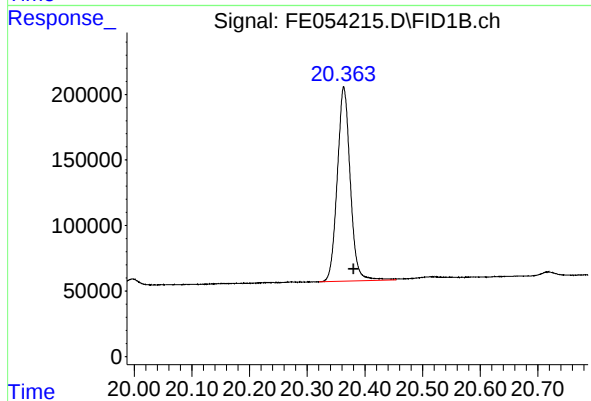
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.015 min
Response: 2294923
Conc: 18.35 ug/ml



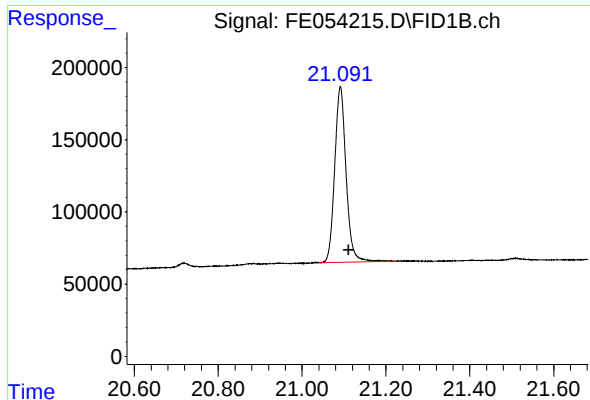
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.017 min
Response: 2242954
Conc: 18.83 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.017 min
Response: 2320362
Conc: 20.04 ug/ml



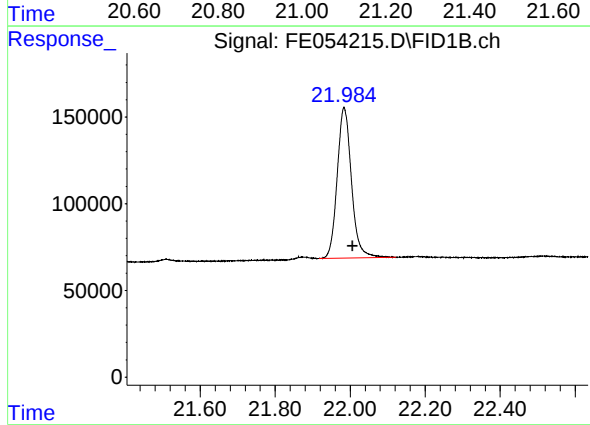
#21 n-Octatriacontane (C38)

R.T.: 21.091 min
Delta R.T.: -0.020 min
Response: 2291123
Conc: 21.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: -0.023 min
Response: 2296747
Conc: 23.15 ug/ml