

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042925AL\
 Data File : FE053565.D
 Signal(s) : FID1B.ch
 Acq On : 29 Apr 2025 12:01
 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 04/30/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: Apr 30 02:40:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.871	3379717	18.739 ug/ml
Spiked Amount 50.000		Recovery =	37.48%
12) S 1-chlorooctadecane (S...	13.315	2472781	18.293 ug/ml
Spiked Amount 50.000		Recovery =	36.59%
Target Compounds			
1) T n-Nonane (C9)	3.216	2602437	18.982 ug/ml
2) T n-Decane (C10)	4.478	2684364	19.405 ug/ml
3) T A~Naphthalene (C11.7)	6.190	2966726	19.654 ug/ml
4) T n-Dodecane (C12)	6.659	2726977	19.444 ug/ml
5) T A~2-methylnaphthalene...	7.293	2942978	19.711 ug/ml
6) T n-Tetradecane (C14)	8.495	2734141	19.489 ug/ml
7) T n-Hexadecane (C16)	10.108	2768691	19.318 ug/ml
8) T n-Octadecane (C18)	11.556	2721467	18.674 ug/ml
10) T n-Eicosane (C20)	12.870	2726433	18.737 ug/ml
11) T n-Heneicosane (C21)	13.483	2691016	18.579 ug/ml
13) T n-Docosane (C22)	14.072	2679192	18.566 ug/ml
14) T n-Tetracosane (C24)	15.177	2647155	18.429 ug/ml
15) T n-Hexacosane (C26)	16.200	2586566	18.263 ug/ml
16) T n-Octacosane (C28)	17.153	2598926	18.680 ug/ml
17) T n-Tricontane (C30)	18.042	2723857	19.569 ug/ml
18) T n-Dotriacontane (C32)	18.876	2761574	20.112 ug/ml
19) T n-Tetratriacontane (C34)	19.663	2587176	19.856 ug/ml
20) T n-Hexatriacontane (C36)	20.405	2554391	20.233 ug/ml
21) T n-Octatriacontane (C38)	21.139	2394570	19.655 ug/ml
22) T n-Tetracontane (C40)	22.044	2452948	20.540 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

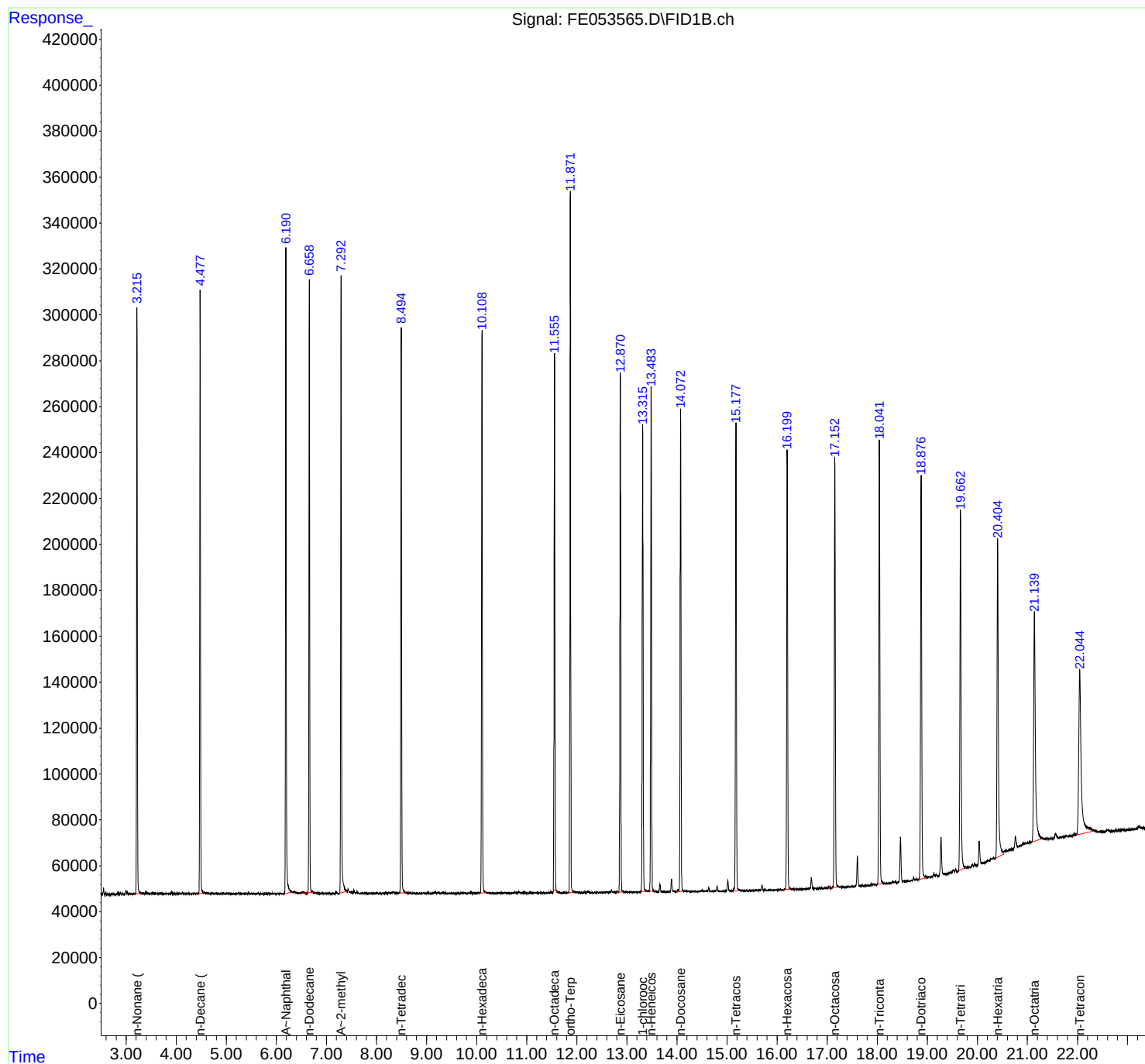
Instrument :
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20 PPM ALIPHATIC HC STD

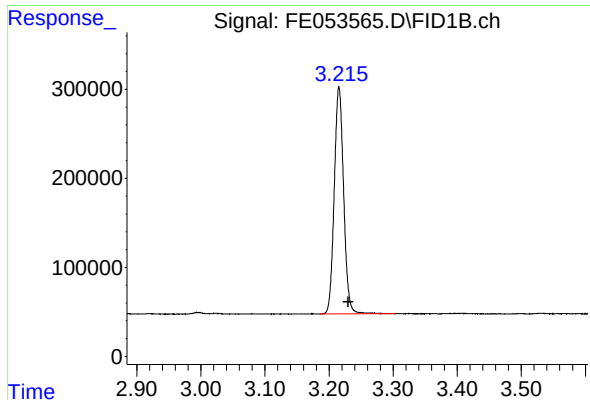
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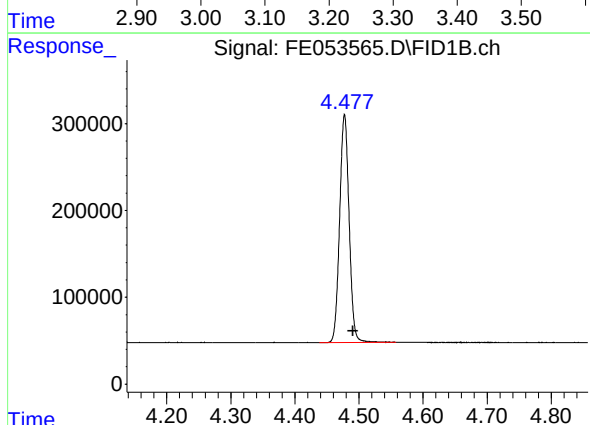
#1 n-Nonane (C9)

R.T.: 3.216 min
Delta R.T.: -0.014 min
Response: 2602437
Conc: 18.98 ug/ml

Instrument :
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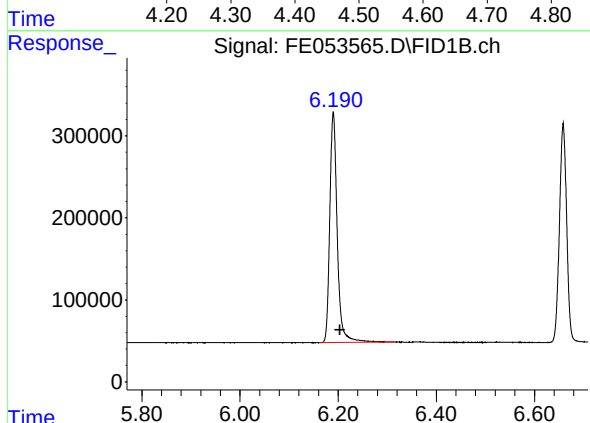
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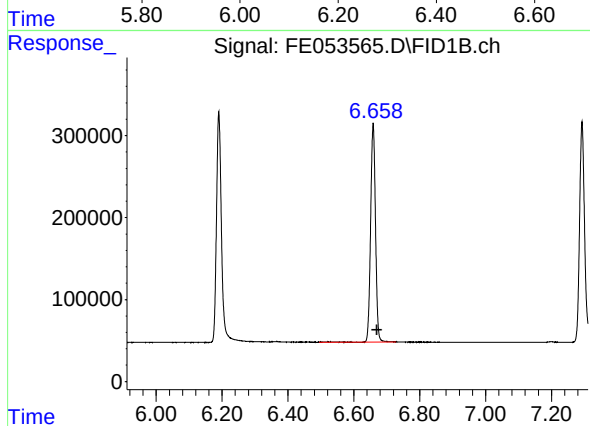
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.013 min
Response: 2684364
Conc: 19.40 ug/ml



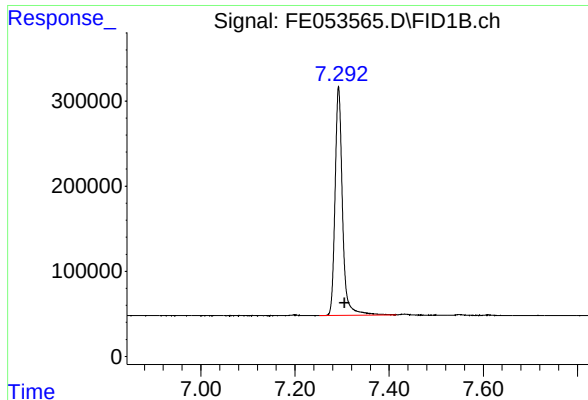
#3 A~Naphthalene (C11.7)

R.T.: 6.190 min
Delta R.T.: -0.013 min
Response: 2966726
Conc: 19.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min
Delta R.T.: -0.012 min
Response: 2726977
Conc: 19.44 ug/ml



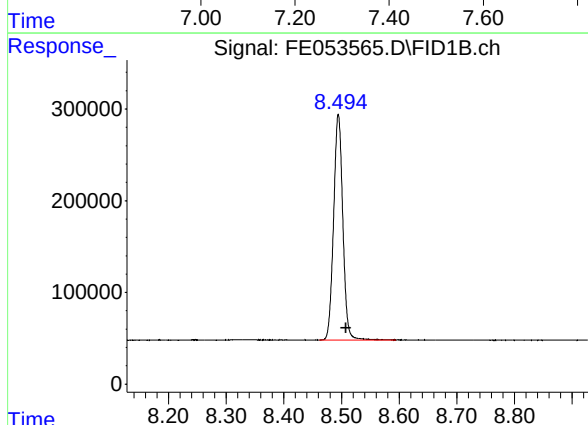
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.293 min
Delta R.T.: -0.013 min
Response: 2942978
Conc: 19.71 ug/ml

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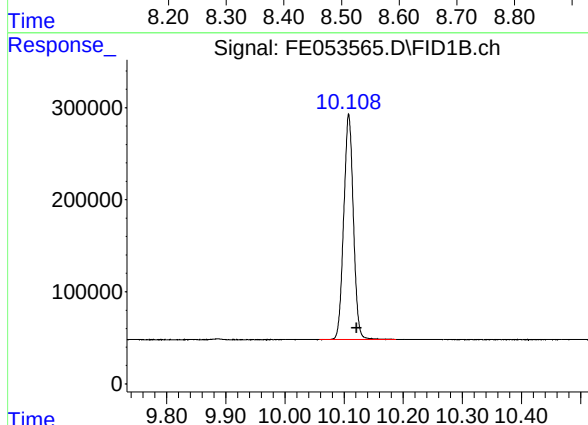
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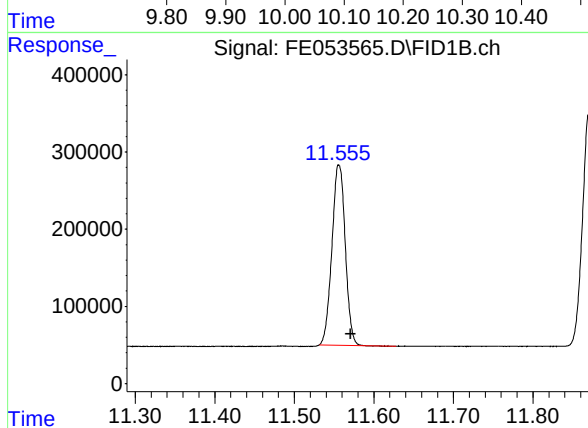
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.013 min
Response: 2734141
Conc: 19.49 ug/ml



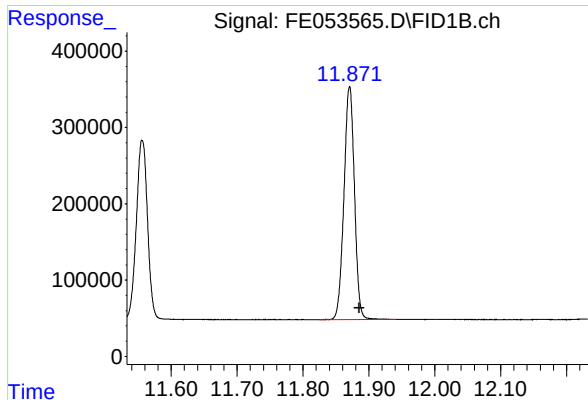
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.013 min
Response: 2768691
Conc: 19.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.015 min
Response: 2721467
Conc: 18.67 ug/ml



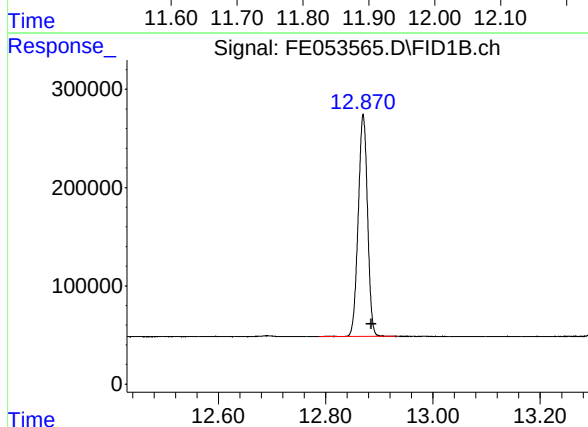
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.015 min
Response: 3379717
Conc: 18.74 ug/ml

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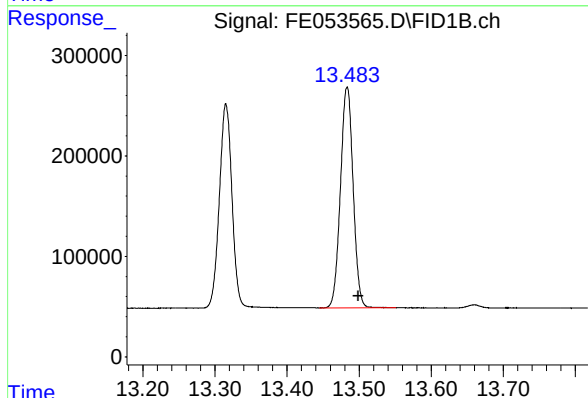
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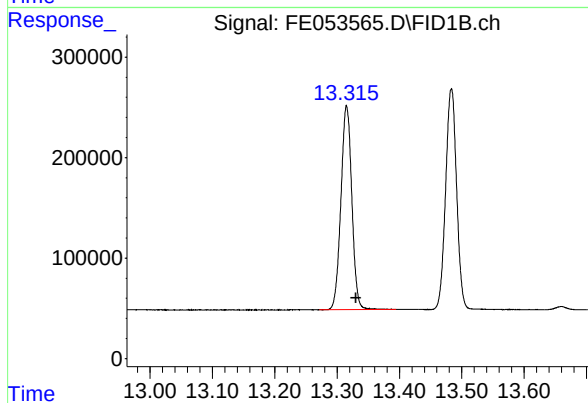
#10 n-Eicosane (C20)

R.T.: 12.870 min
Delta R.T.: -0.015 min
Response: 2726433
Conc: 18.74 ug/ml



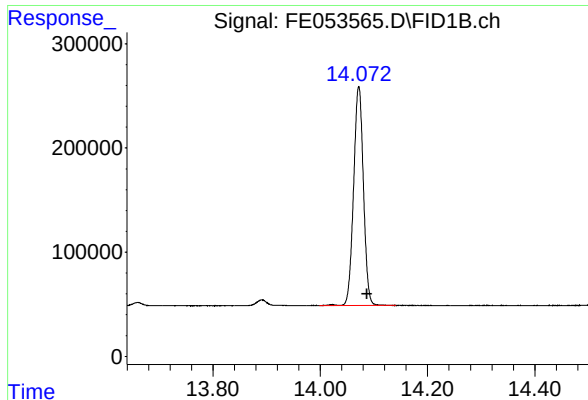
#11 n-Heneicosane (C21)

R.T.: 13.483 min
Delta R.T.: -0.016 min
Response: 2691016
Conc: 18.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.315 min
Delta R.T.: -0.015 min
Response: 2472781
Conc: 18.29 ug/ml



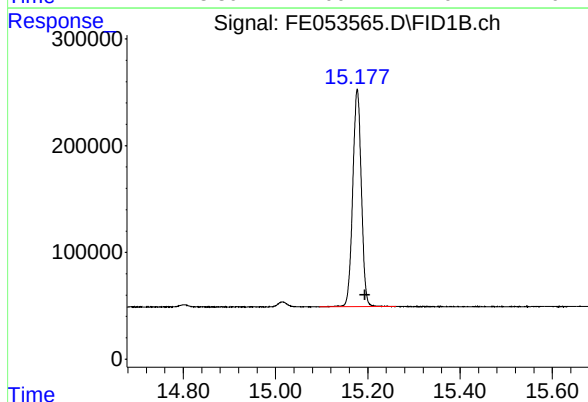
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.016 min
Response: 2679192
Conc: 18.57 ug/ml

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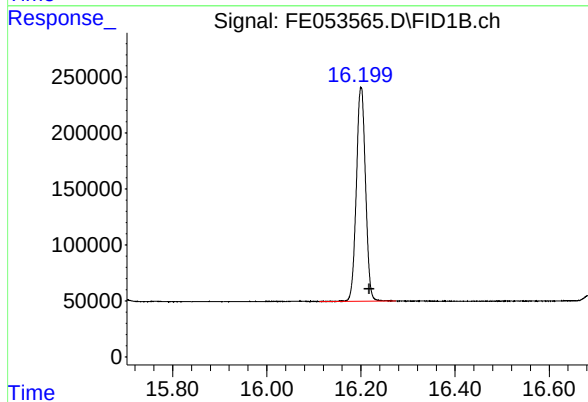
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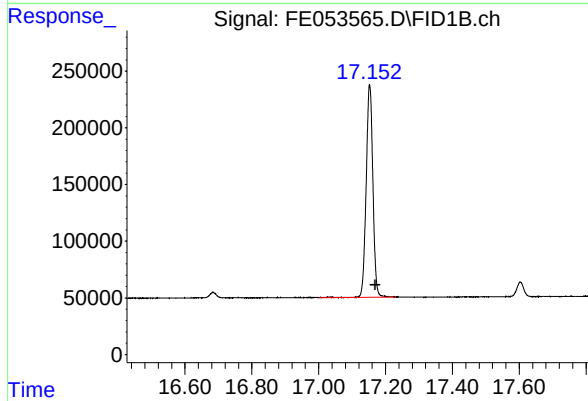
#14 n-Tetracosane (C24)

R.T.: 15.177 min
Delta R.T.: -0.016 min
Response: 2647155
Conc: 18.43 ug/ml



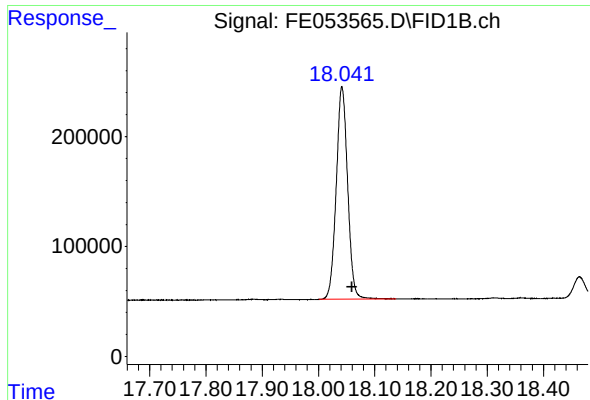
#15 n-Hexacosane (C26)

R.T.: 16.200 min
Delta R.T.: -0.017 min
Response: 2586566
Conc: 18.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.153 min
Delta R.T.: -0.017 min
Response: 2598926
Conc: 18.68 ug/ml



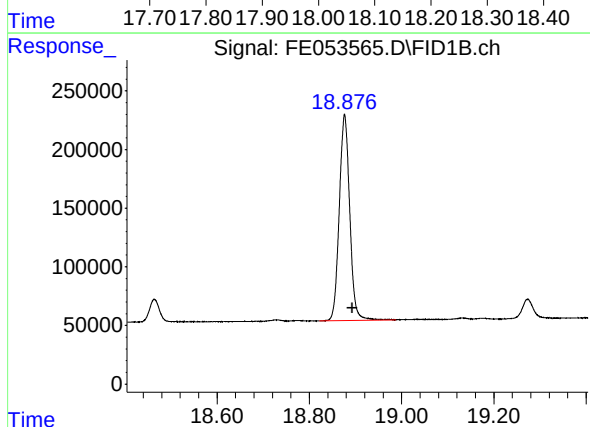
#17 n-Tricontane (C30)

R.T.: 18.042 min
Delta R.T.: -0.018 min
Response: 2723857
Conc: 19.57 ug/ml

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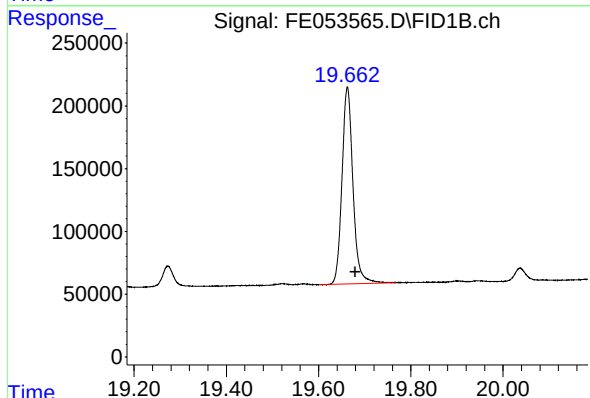
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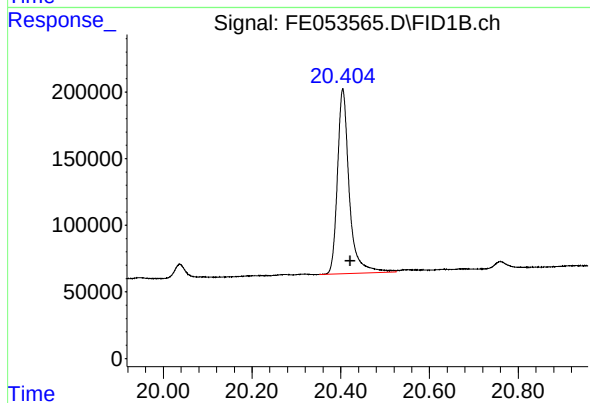
#18 n-Dotriacontane (C32)

R.T.: 18.876 min
Delta R.T.: -0.017 min
Response: 2761574
Conc: 20.11 ug/ml



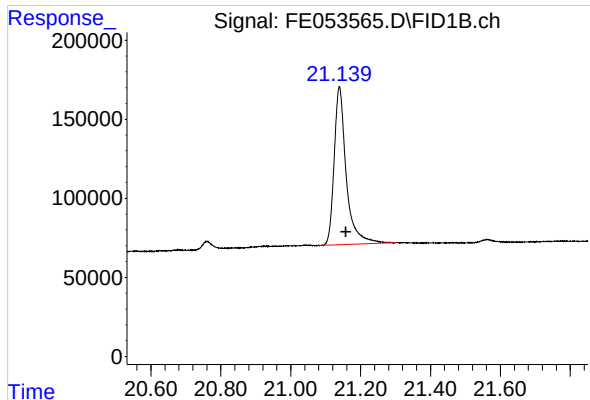
#19 n-Tetratriacontane (C34)

R.T.: 19.663 min
Delta R.T.: -0.017 min
Response: 2587176
Conc: 19.86 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.405 min
Delta R.T.: -0.017 min
Response: 2554391
Conc: 20.23 ug/ml



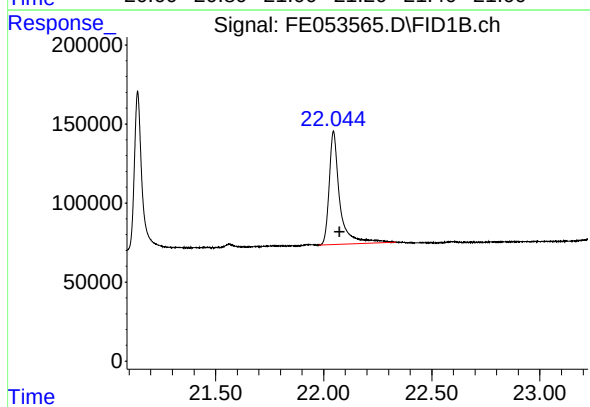
#21 n-Octatriacontane (C38)

R.T.: 21.139 min
Delta R.T.: -0.019 min
Response: 2394570
Conc: 19.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.044 min
Delta R.T.: -0.029 min
Response: 2452948
Conc: 20.54 ug/ml m