

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091324AL\
 Data File : FE050066.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2024 13:00
 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 09/13/2024
 Supervised By :Ankita Jodhani 09/13/2024

Integration File: autoint1.e
 Quant Time: Sep 13 01:19:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.875	3161099	21.247 ug/ml
Spiked Amount 50.000		Recovery =	42.49%
12) S 1-chlorooctadecane (S...	13.308	2414144	21.492 ug/ml
Spiked Amount 50.000		Recovery =	42.98%
Target Compounds			
1) T n-Nonane (C9)	3.264	2864022	21.130 ug/ml
2) T n-Decane (C10)	4.515	2936833	21.280 ug/ml
3) T A~Naphthalene (C11.7)	6.223	3027565	21.630 ug/ml
4) T n-Dodecane (C12)	6.682	2946175	21.305 ug/ml
5) T A~2-methylnaphthalene...	7.319	2838713	21.597 ug/ml
6) T n-Tetradecane (C14)	8.509	2908062	21.356 ug/ml
7) T n-Hexadecane (C16)	10.115	2982438	21.471 ug/ml
8) T n-Octadecane (C18)	11.556	3005564	21.453 ug/ml
10) T n-Eicosane (C20)	12.864	2863735	21.348 ug/ml
11) T n-Heneicosane (C21)	13.475	2807508	21.367 ug/ml
13) T n-Docosane (C22)	14.061	2779029	21.341 ug/ml
14) T n-Tetracosane (C24)	15.162	2782294	21.305 ug/ml
15) T n-Hexacosane (C26)	16.181	2738031	21.401 ug/ml
16) T n-Octacosane (C28)	17.130	2767332	21.484 ug/ml
17) T n-Tricontane (C30)	18.017	2892966	21.634 ug/ml
18) T n-Dotriacontane (C32)	18.849	2878882	21.604 ug/ml
19) T n-Tetratriacontane (C34)	19.630	2673041	21.633 ug/ml
20) T n-Hexatriacontane (C36)	20.371	2419644	21.808 ug/mlm
21) T n-Octatriacontane (C38)	21.098	2334436	21.168 ug/ml
22) T n-Tetracontane (C40)	21.988	2247779	20.657 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

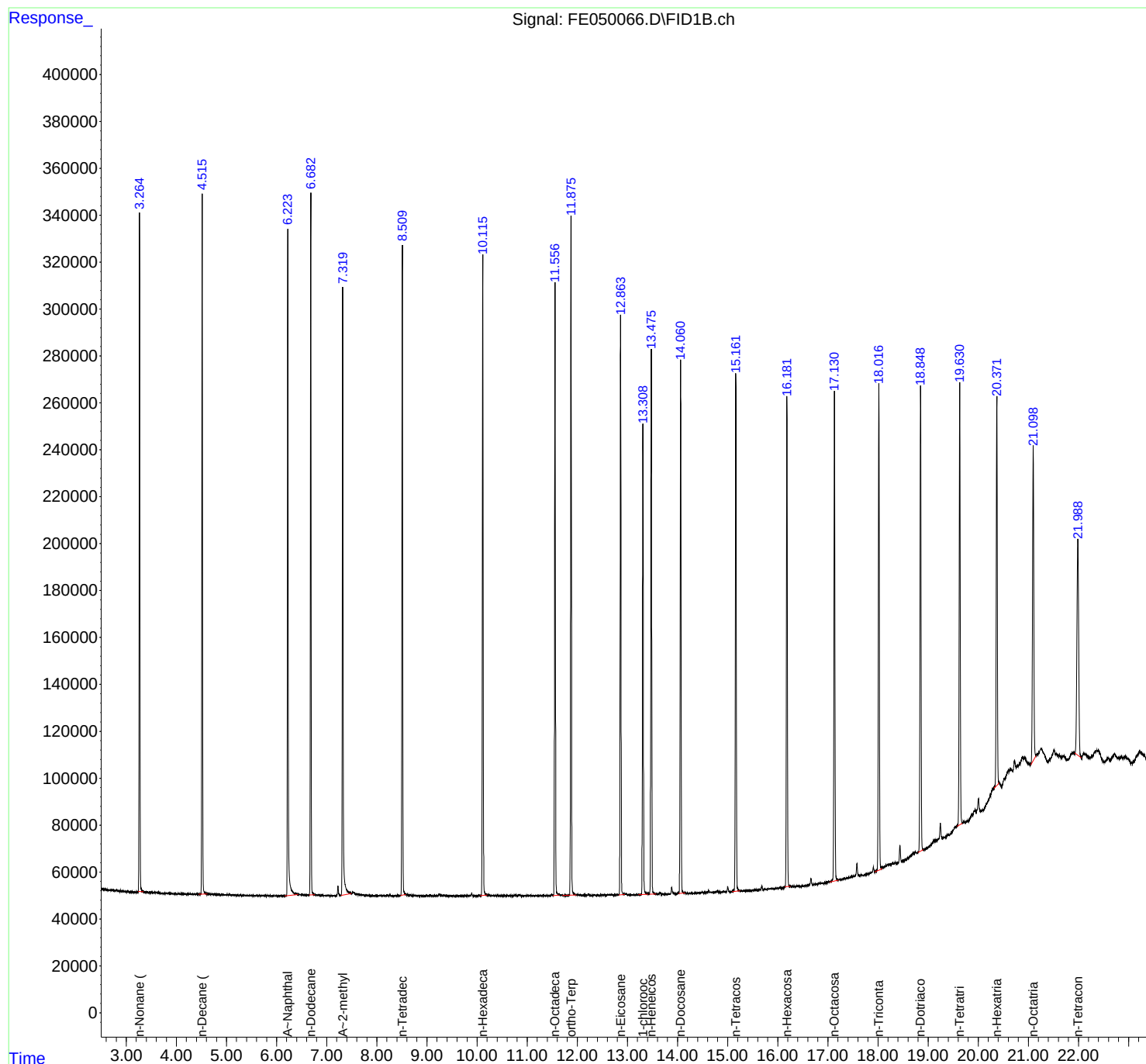
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

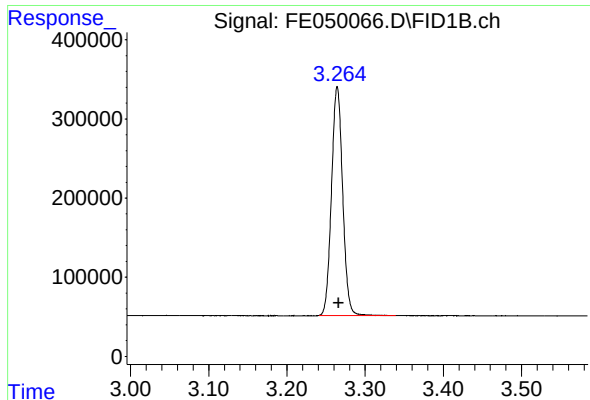
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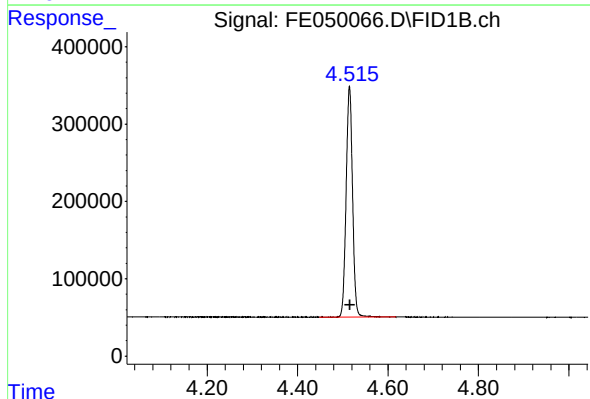
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2864022
Conc: 21.13 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

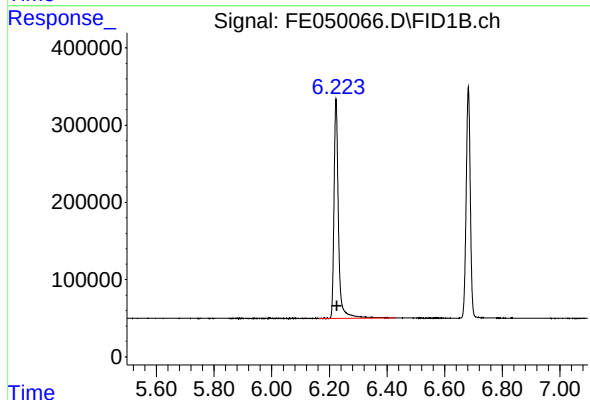
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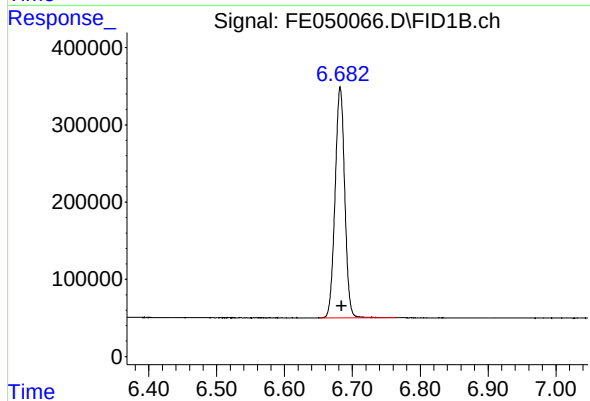
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2936833
Conc: 21.28 ug/ml



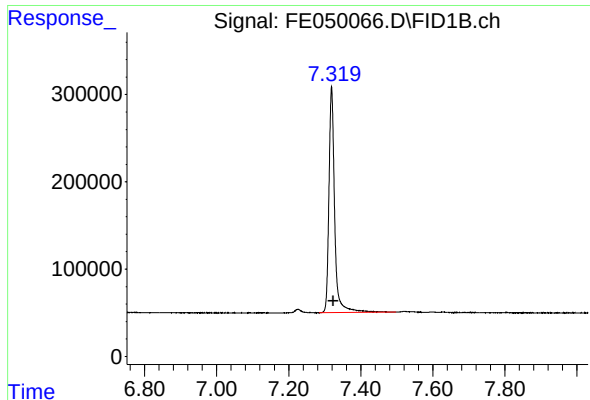
#3 A~Naphthalene (C11.7)

R.T.: 6.223 min
Delta R.T.: -0.004 min
Response: 3027565
Conc: 21.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 2946175
Conc: 21.31 ug/ml



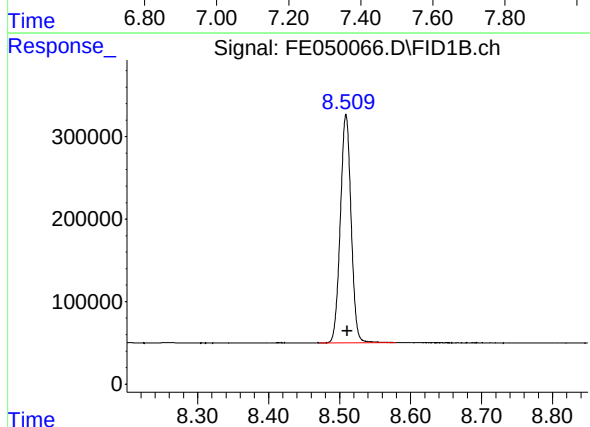
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: -0.004 min
Response: 2838713
Conc: 21.60 ug/ml

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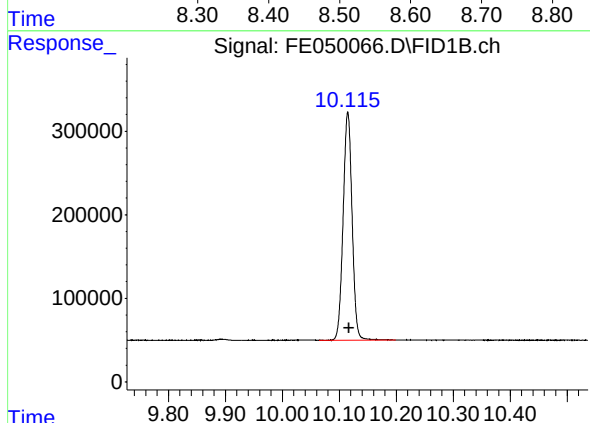
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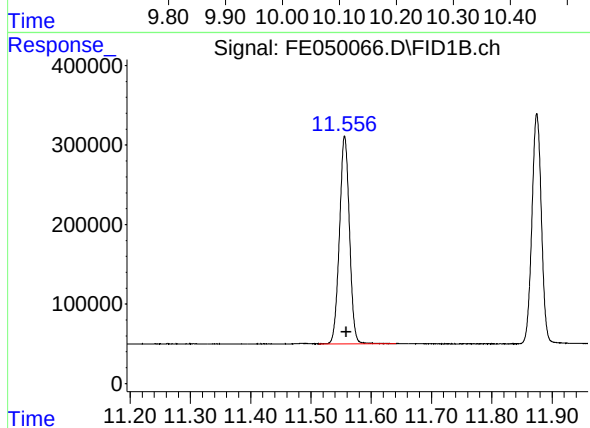
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2908062
Conc: 21.36 ug/ml



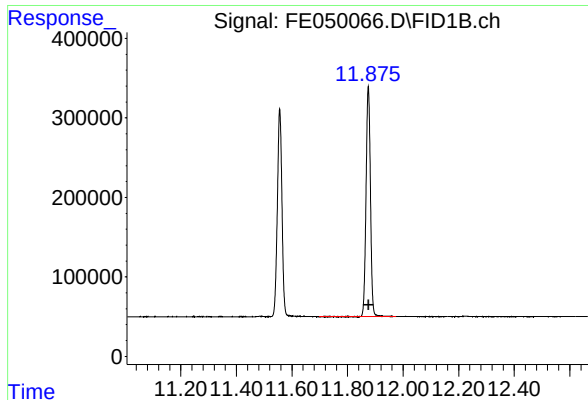
#7 n-Hexadecane (C16)

R.T.: 10.115 min
Delta R.T.: -0.002 min
Response: 2982438
Conc: 21.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.002 min
Response: 3005564
Conc: 21.45 ug/ml



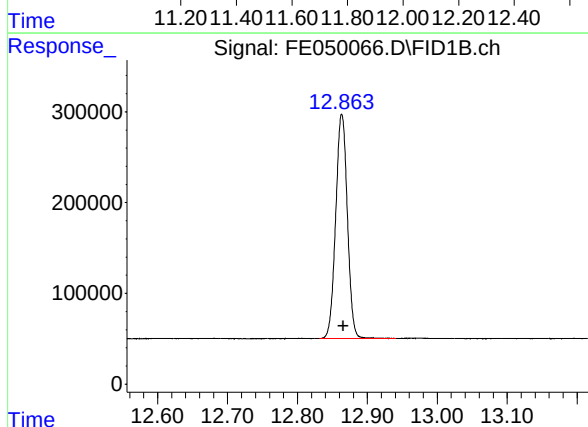
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.002 min
Response: 3161099
Conc: 21.25 ug/ml

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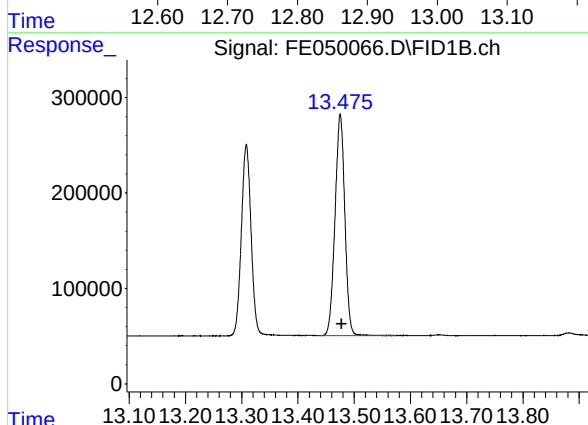
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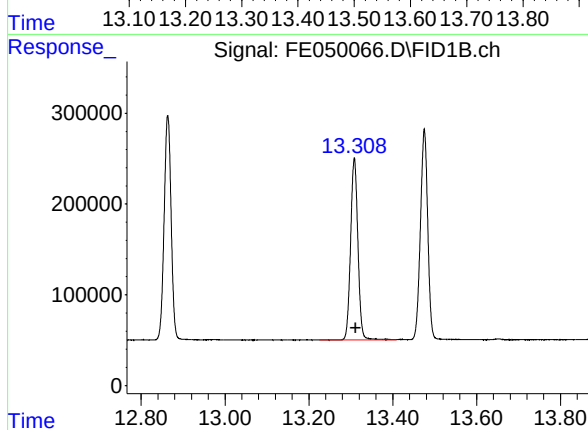
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.002 min
Response: 2863735
Conc: 21.35 ug/ml



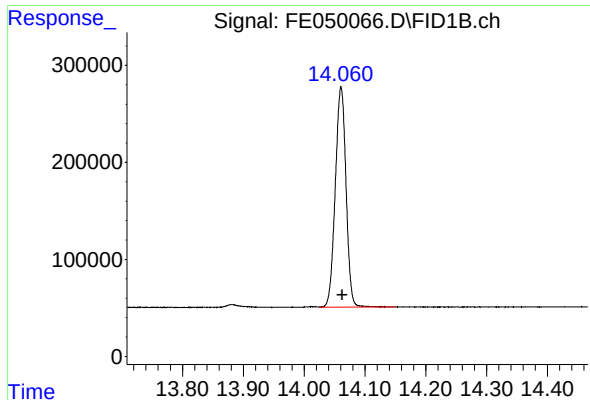
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: -0.002 min
Response: 2807508
Conc: 21.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.003 min
Response: 2414144
Conc: 21.49 ug/ml



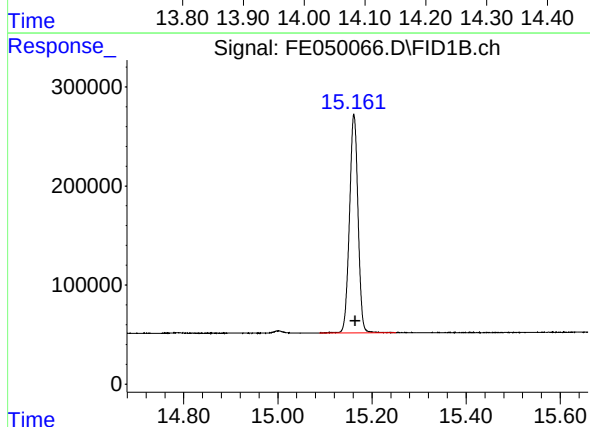
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.002 min
Response: 2779029
Conc: 21.34 ug/ml

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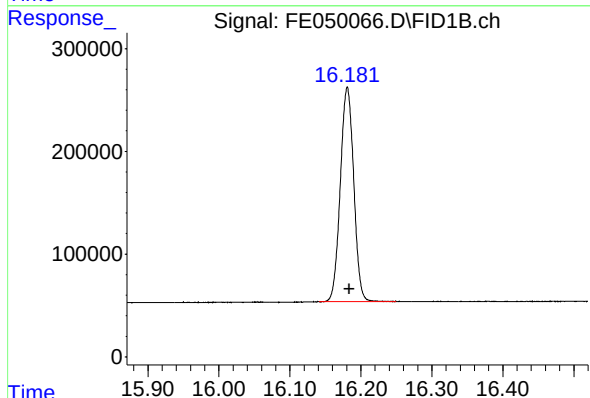
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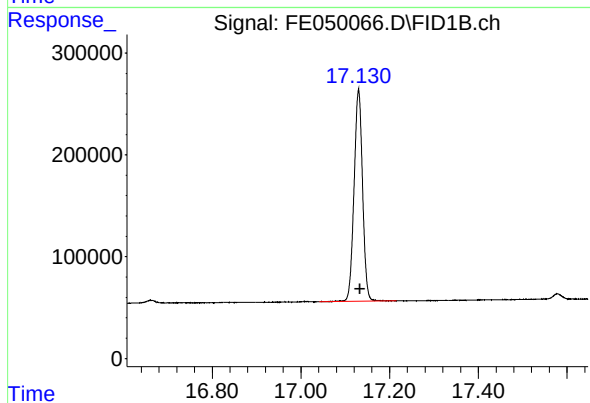
#14 n-Tetracosane (C24)

R.T.: 15.162 min
Delta R.T.: -0.003 min
Response: 2782294
Conc: 21.31 ug/ml



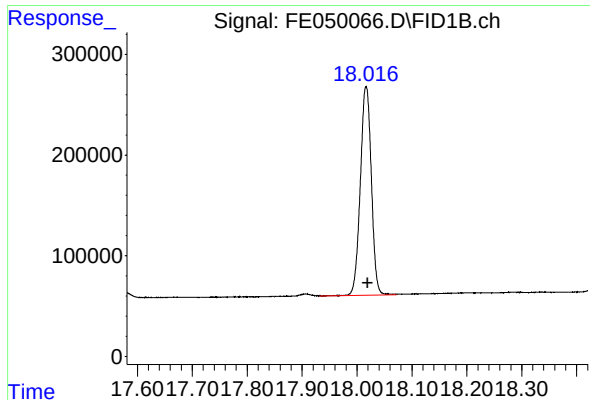
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: -0.003 min
Response: 2738031
Conc: 21.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: -0.003 min
Response: 2767332
Conc: 21.48 ug/ml



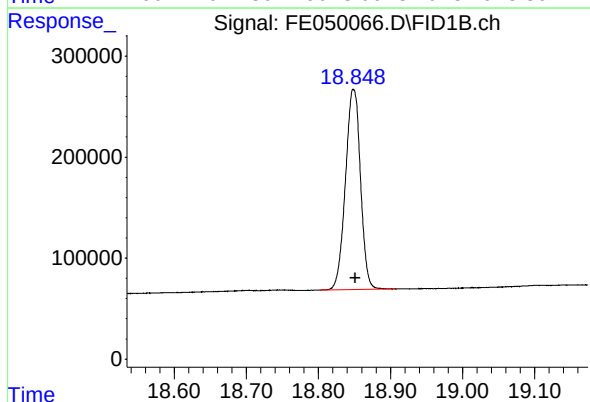
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: -0.003 min
Response: 2892966
Conc: 21.63 ug/ml

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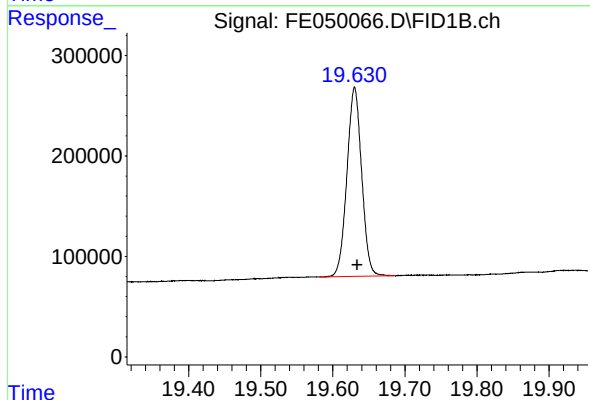
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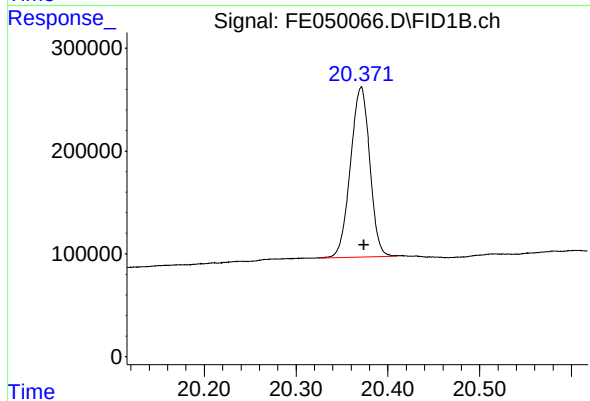
#18 n-Dotriacontane (C32)

R.T.: 18.849 min
Delta R.T.: -0.002 min
Response: 2878882
Conc: 21.60 ug/ml



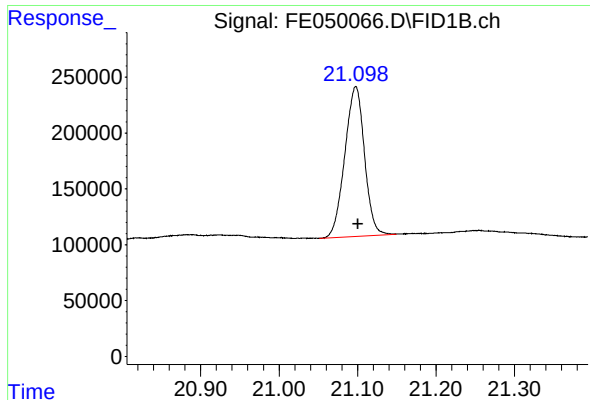
#19 n-Tetratriacontane (C34)

R.T.: 19.630 min
Delta R.T.: -0.003 min
Response: 2673041
Conc: 21.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.371 min
Delta R.T.: -0.003 min
Response: 2419644
Conc: 21.81 ug/ml m



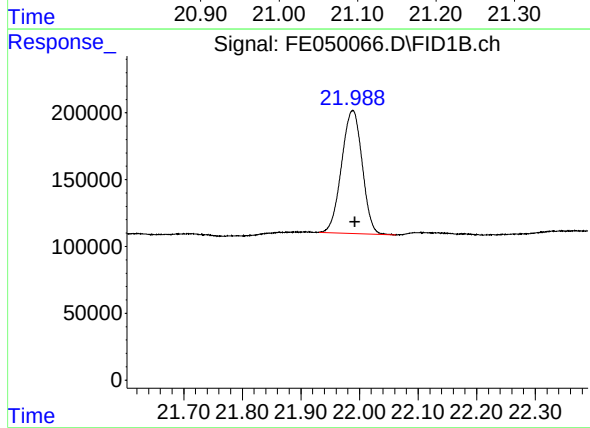
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.003 min
Response: 2334436
Conc: 21.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: -0.004 min
Response: 2247779
Conc: 20.66 ug/ml