

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122724AL\
 Data File : FE051796.D
 Signal(s) : FID1B.ch
 Acq On : 27 Dec 2024 22:01
 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 12/30/2024
 Supervised By :Ankita Jodhani 12/30/2024

Integration File: autoint1.e
 Quant Time: Dec 27 22:47:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122724.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 27 13:22:17 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)	12.040	2824036	18.645 ug/ml
Spiked Amount 50.000		Recovery =	37.29%
12) S 1-chlorooctadecane (S...	13.462	2173712	18.685 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.498	2169898	18.708 ug/ml
2) T n-Decane (C10)	4.733	2258115	18.766 ug/ml
3) T A~Naphthalene (C11.7)	6.426	2619608	18.847 ug/ml
4) T n-Dodecane (C12)	6.873	2363187	18.809 ug/ml
5) T A~2-methylnaphthalene...	7.510	2576360	18.822 ug/ml
6) T n-Tetradecane (C14)	8.687	2418732	18.809 ug/ml
7) T n-Hexadecane (C16)	10.283	2558985	18.804 ug/ml
8) T n-Octadecane (C18)	11.717	2614196	18.670 ug/ml
10) T n-Eicosane (C20)	13.018	2523369	18.644 ug/ml
11) T n-Heneicosane (C21)	13.626	2479153	18.611 ug/ml
13) T n-Docosane (C22)	14.209	2450494	18.564 ug/ml
14) T n-Tetracosane (C24)	15.306	2398571	18.485 ug/ml
15) T n-Hexacosane (C26)	16.320	2322795	18.495 ug/ml
16) T n-Octacosane (C28)	17.265	2243655	18.585 ug/ml
17) T n-Tricontane (C30)	18.148	2244007	18.646 ug/ml
18) T n-Dotriacontane (C32)	18.976	2149817	18.785 ug/ml
19) T n-Tetratriacontane (C34)	19.755	1923420	19.070 ug/ml
20) T n-Hexatriacontane (C36)	20.490	1803627	20.236 ug/mlm
21) T n-Octatriacontane (C38)	21.237	1791450	20.865 ug/mlm
22) T n-Tetracontane (C40)	22.179	2047754	23.218 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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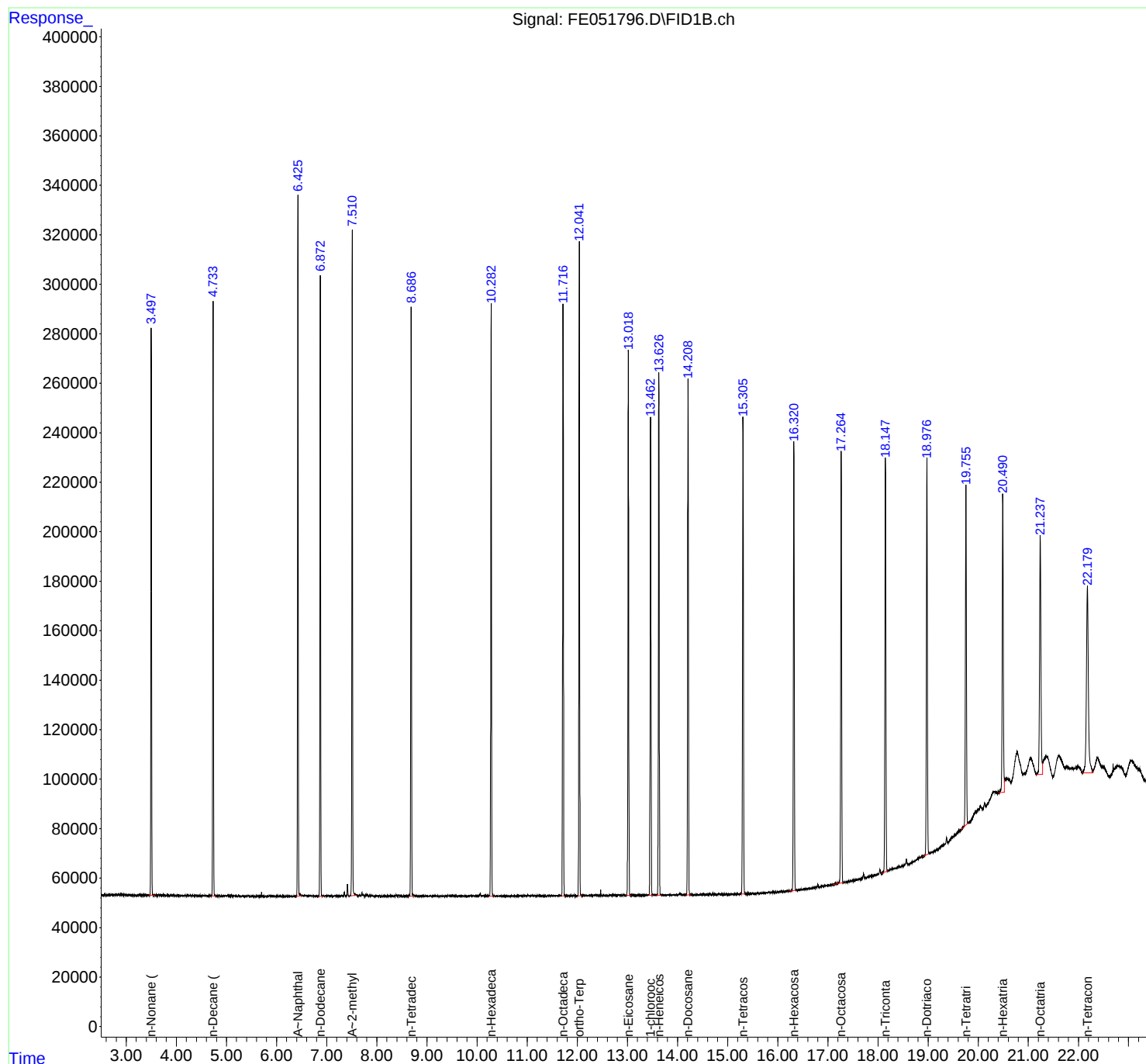
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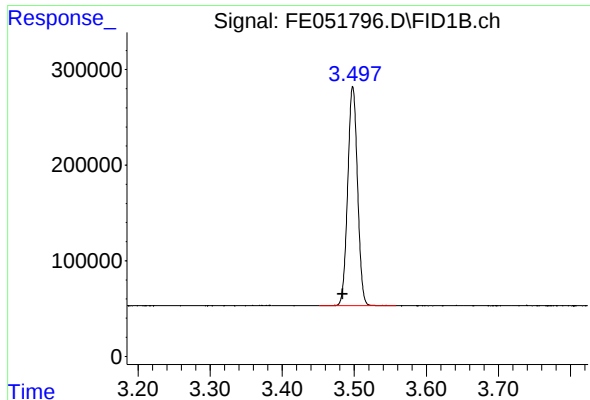
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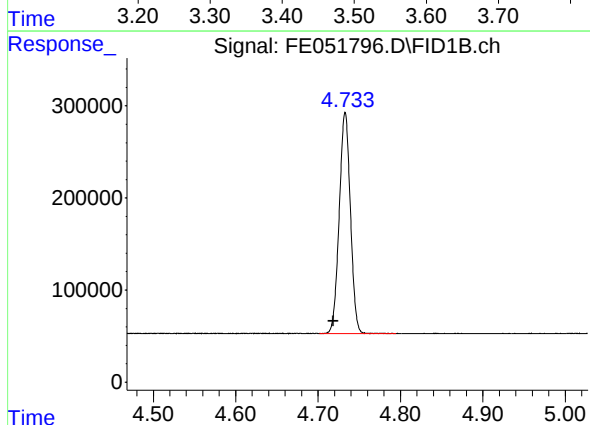
#1 n-Nonane (C9)

R.T.: 3.498 min
Delta R.T.: 0.014 min
Response: 2169898
Conc: 18.71 ug/ml

Instrument : FID_E
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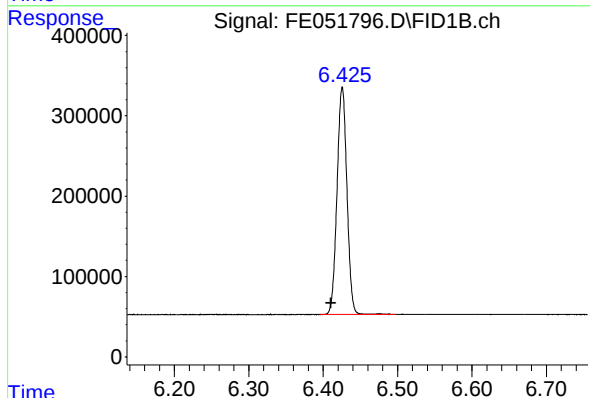
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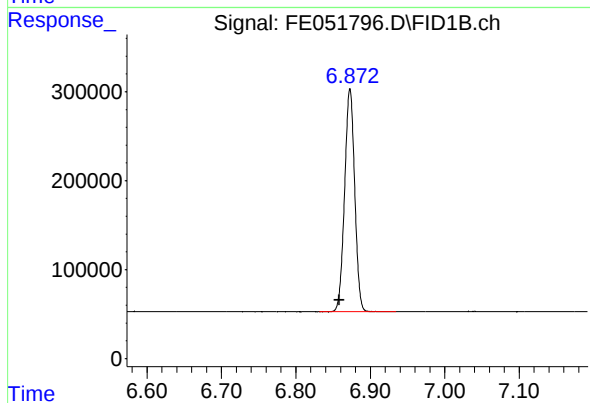
#2 n-Decane (C10)

R.T.: 4.733 min
Delta R.T.: 0.015 min
Response: 2258115
Conc: 18.77 ug/ml



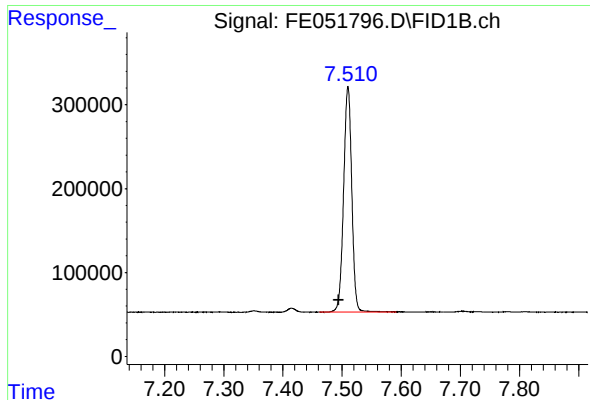
#3 A~Naphthalene (C11.7)

R.T.: 6.426 min
Delta R.T.: 0.015 min
Response: 2619608
Conc: 18.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.873 min
Delta R.T.: 0.014 min
Response: 2363187
Conc: 18.81 ug/ml



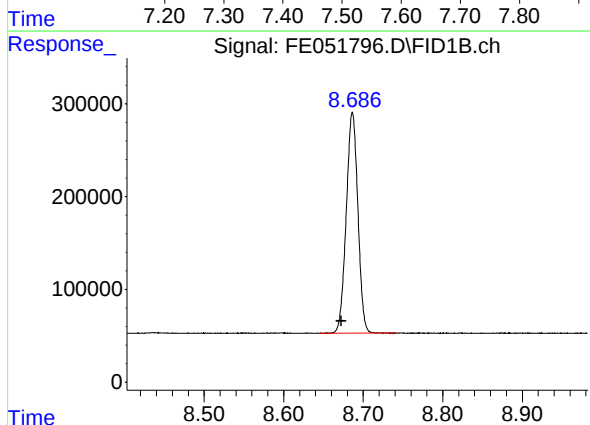
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.510 min
Delta R.T.: 0.016 min
Response: 2576360
Conc: 18.82 ug/ml

Instrument :
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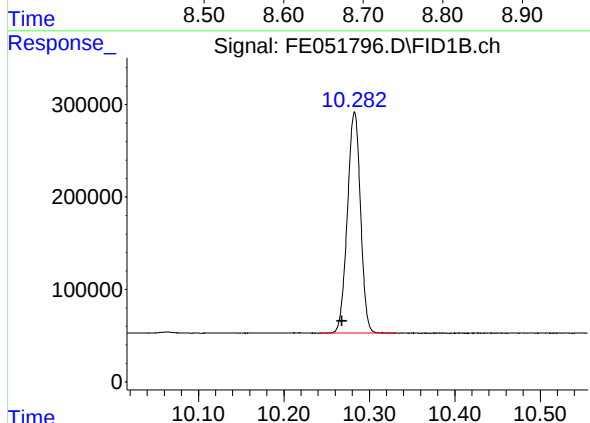
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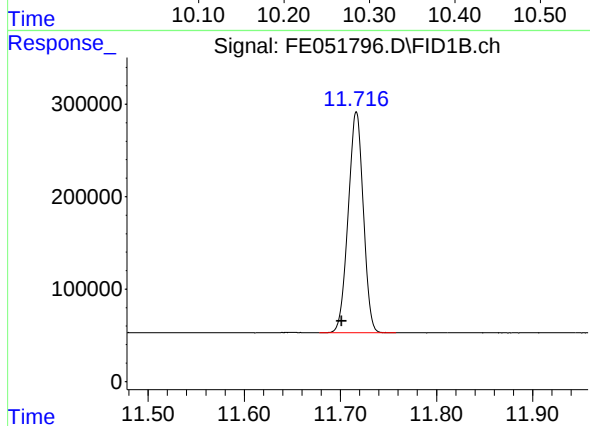
#6 n-Tetradecane (C14)

R.T.: 8.687 min
Delta R.T.: 0.014 min
Response: 2418732
Conc: 18.81 ug/ml



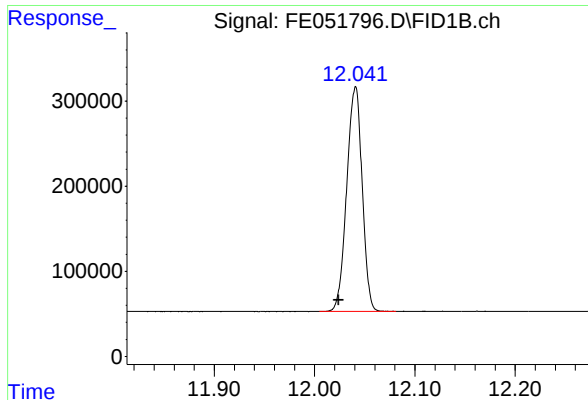
#7 n-Hexadecane (C16)

R.T.: 10.283 min
Delta R.T.: 0.015 min
Response: 2558985
Conc: 18.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.717 min
Delta R.T.: 0.015 min
Response: 2614196
Conc: 18.67 ug/ml



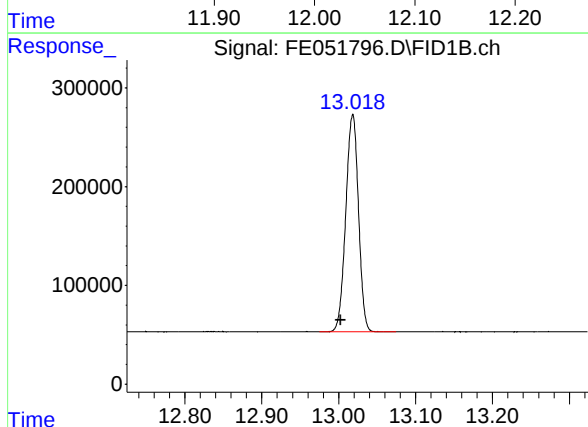
#9 ortho-Terphenyl (SURR)

R.T.: 12.040 min
Delta R.T.: 0.017 min
Response: 2824036
Conc: 18.64 ug/ml

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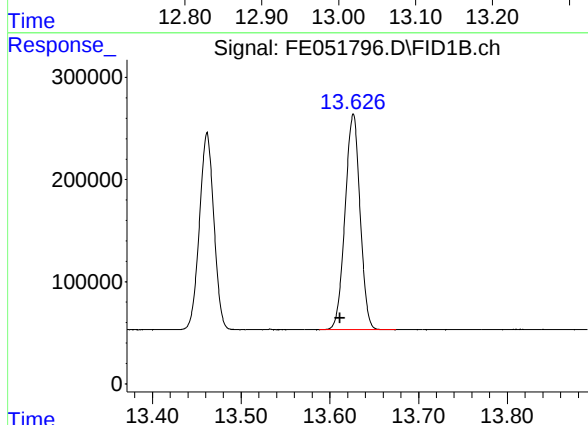
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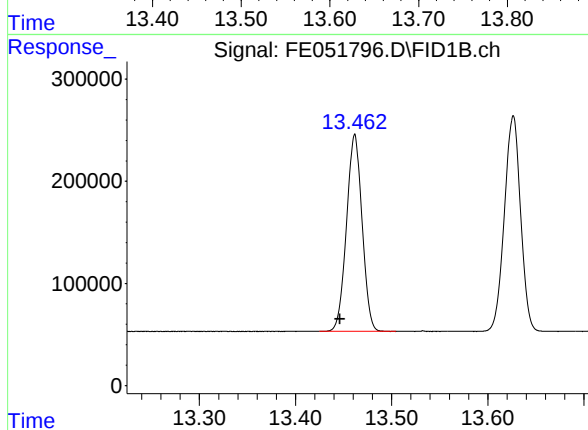
#10 n-Eicosane (C20)

R.T.: 13.018 min
Delta R.T.: 0.016 min
Response: 2523369
Conc: 18.64 ug/ml



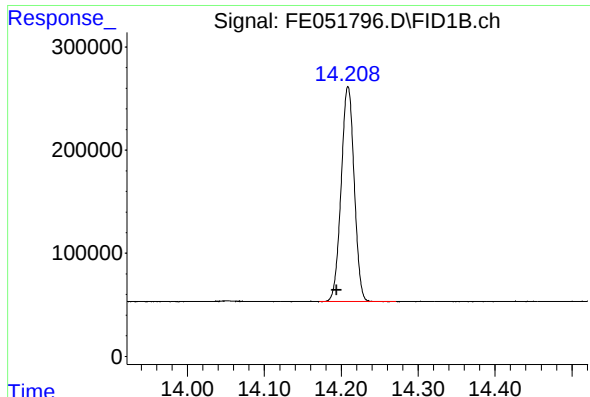
#11 n-Heneicosane (C21)

R.T.: 13.626 min
Delta R.T.: 0.015 min
Response: 2479153
Conc: 18.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.462 min
Delta R.T.: 0.015 min
Response: 2173712
Conc: 18.69 ug/ml



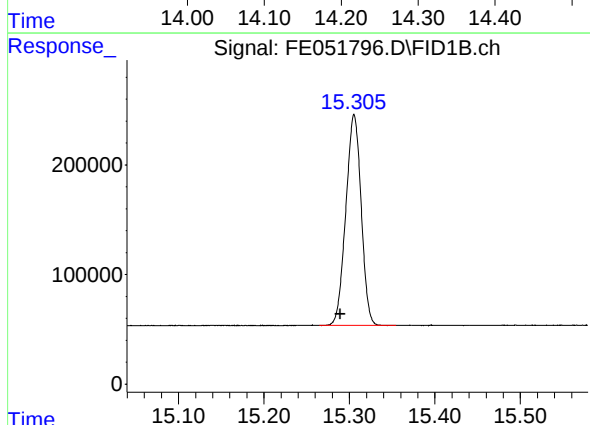
#13 n-Docosane (C22)

R.T.: 14.209 min
Delta R.T.: 0.015 min
Response: 2450494
Conc: 18.56 ug/ml

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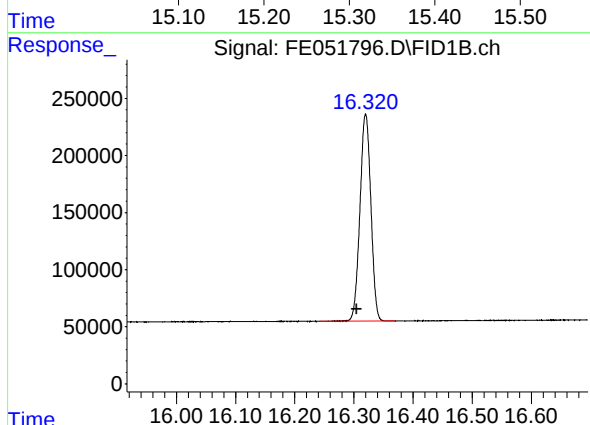
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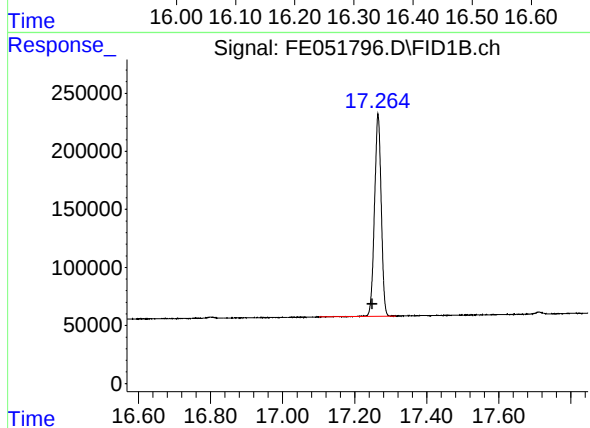
#14 n-Tetracosane (C24)

R.T.: 15.306 min
Delta R.T.: 0.016 min
Response: 2398571
Conc: 18.48 ug/ml



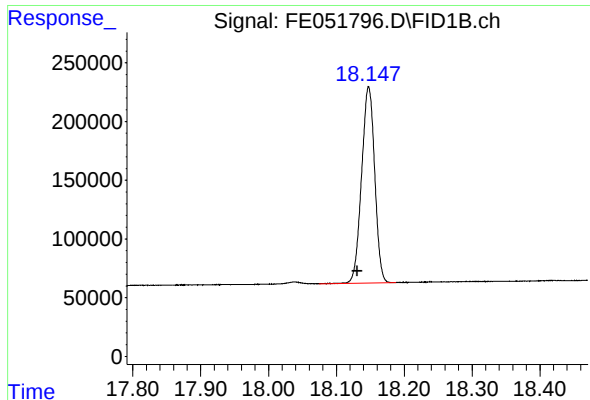
#15 n-Hexacosane (C26)

R.T.: 16.320 min
Delta R.T.: 0.016 min
Response: 2322795
Conc: 18.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.265 min
Delta R.T.: 0.016 min
Response: 2243655
Conc: 18.58 ug/ml



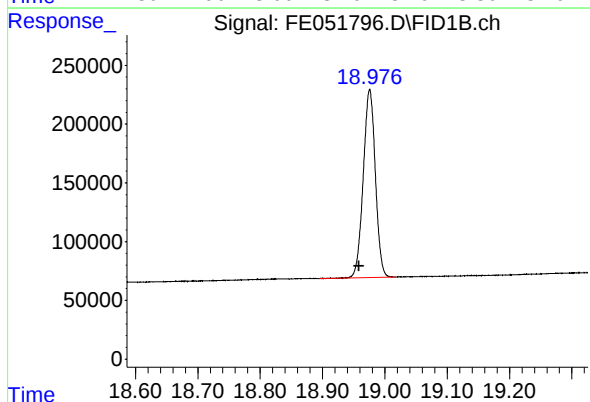
#17 n-Tricontane (C30)

R.T.: 18.148 min
Delta R.T.: 0.017 min
Response: 2244007
Conc: 18.65 ug/ml

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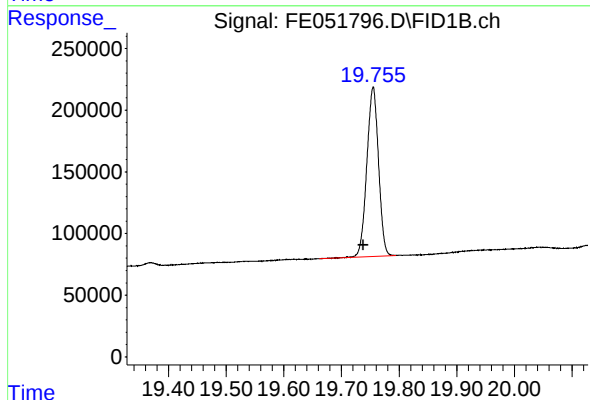
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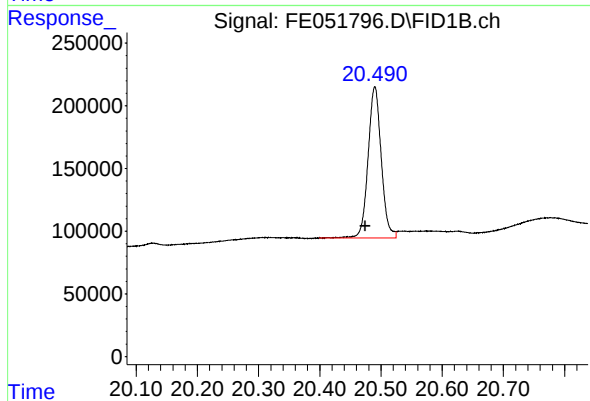
#18 n-Dotriacontane (C32)

R.T.: 18.976 min
Delta R.T.: 0.017 min
Response: 2149817
Conc: 18.78 ug/ml



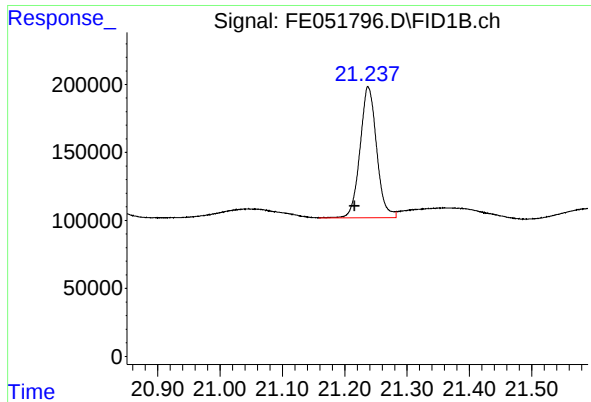
#19 n-Tetratriacontane (C34)

R.T.: 19.755 min
Delta R.T.: 0.017 min
Response: 1923420
Conc: 19.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.490 min
Delta R.T.: 0.016 min
Response: 1803627
Conc: 20.24 ug/ml m



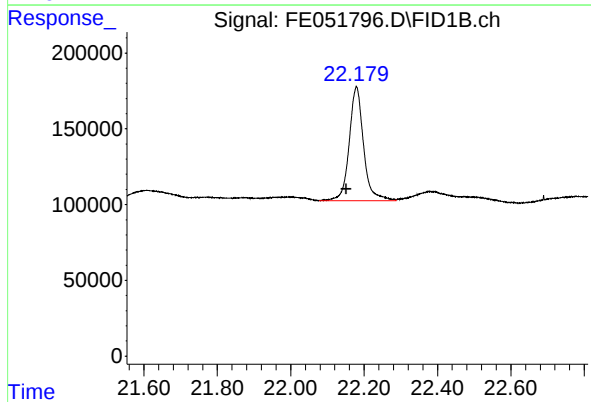
#21 n-Octatriacontane (C38)

R.T.: 21.237 min
Delta R.T.: 0.021 min
Response: 1791450
Conc: 20.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.179 min
Delta R.T.: 0.027 min
Response: 2047754
Conc: 23.22 ug/ml m