

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031825AL\
 Data File : FE052849.D
 Signal(s) : FID1B.ch
 Acq On : 18 Mar 2025 20:44
 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 03/19/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 19 02:38:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.908	3151252	18.692 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
12) S 1-chlorooctadecane (S...	13.353	2371204	19.528 ug/ml
Spiked Amount 50.000		Recovery =	39.06%
Target Compounds			
1) T n-Nonane (C9)	3.247	2965912	19.129 ug/ml
2) T n-Decane (C10)	4.509	3096825	19.713 ug/ml
3) T A~Naphthalene (C11.7)	6.224	3307808	19.505 ug/ml
4) T n-Dodecane (C12)	6.691	3079876	19.781 ug/ml
5) T A~2-methylnaphthalene...	7.327	3167067	19.543 ug/ml
6) T n-Tetradecane (C14)	8.528	3003972	19.853 ug/ml
7) T n-Hexadecane (C16)	10.143	3051925	19.962 ug/ml
8) T n-Octadecane (C18)	11.592	2993303	19.675 ug/ml
10) T n-Eicosane (C20)	12.907	2832920	19.514 ug/ml
11) T n-Heneicosane (C21)	13.521	2758122	19.379 ug/ml
13) T n-Docosane (C22)	14.109	2763743	19.421 ug/ml
14) T n-Tetracosane (C24)	15.217	2821212	19.714 ug/ml
15) T n-Hexacosane (C26)	16.241	2822870	19.852 ug/ml
16) T n-Octacosane (C28)	17.194	2957224	20.797 ug/ml
17) T n-Tricontane (C30)	18.085	3238244	21.924 ug/ml
18) T n-Dotriacontane (C32)	18.919	3307734	22.784 ug/ml
19) T n-Tetratriacontane (C34)	19.704	2934884	21.775 ug/ml
20) T n-Hexatriacontane (C36)	20.447	2554842	21.501 ug/ml
21) T n-Octatriacontane (C38)	21.188	2473442	22.296 ug/ml
22) T n-Tetracontane (C40)	22.110	2447835	22.641 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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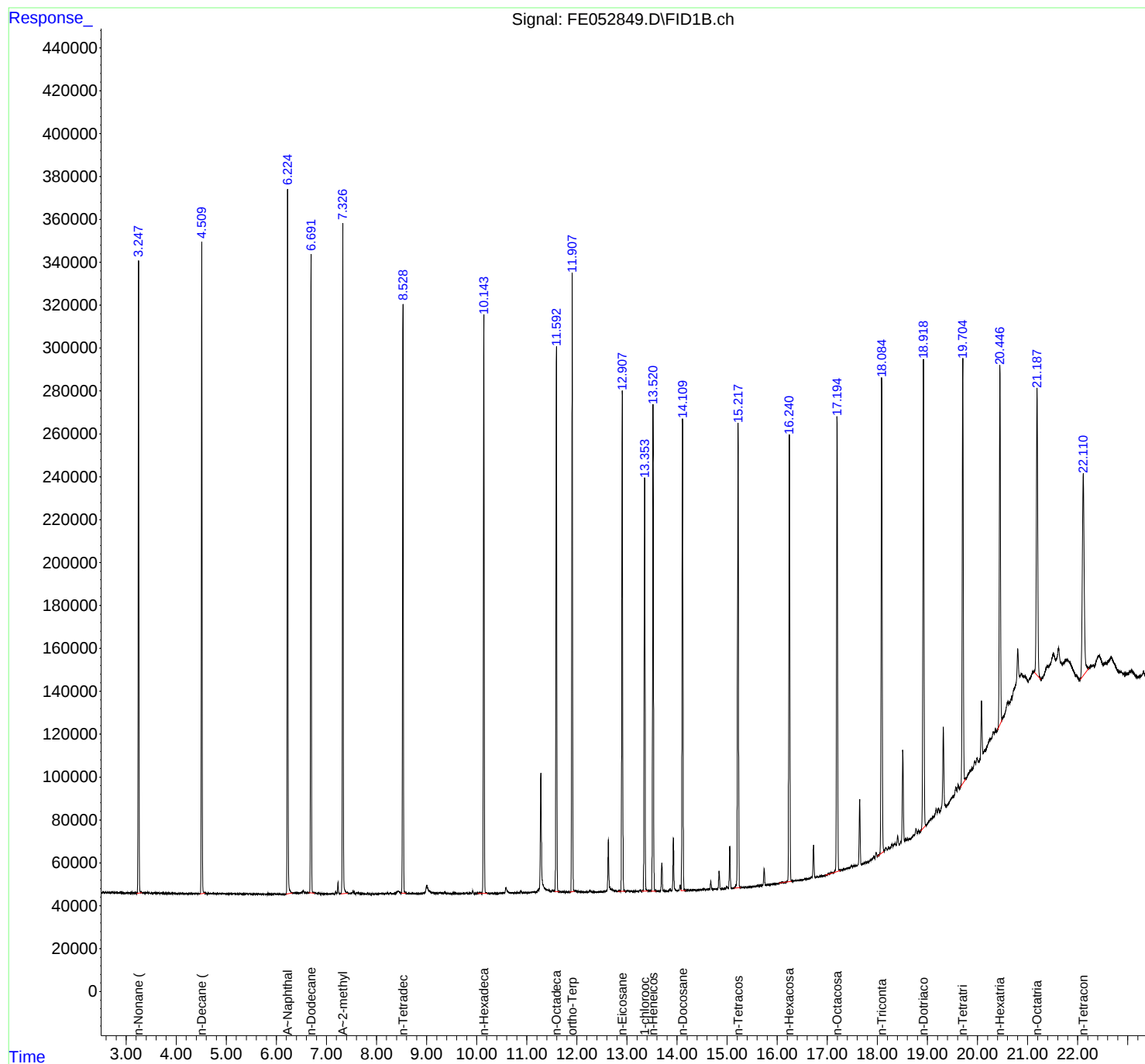
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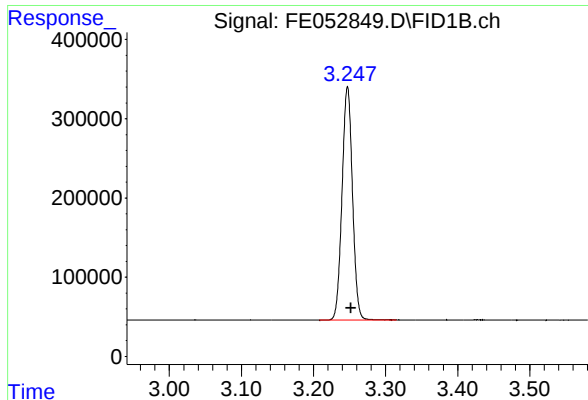
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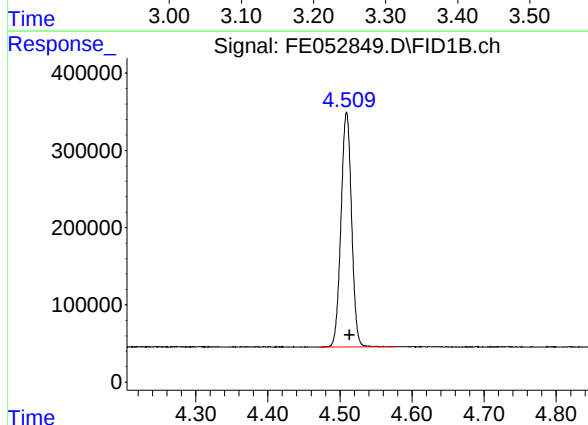
#1 n-Nonane (C9)

R.T.: 3.247 min
Delta R.T.: -0.005 min
Response: 2965912
Conc: 19.13 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

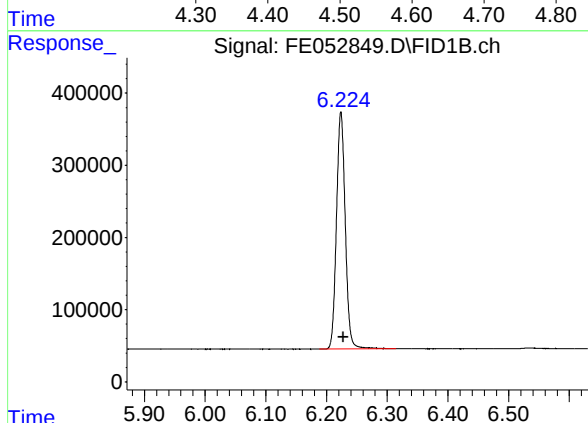
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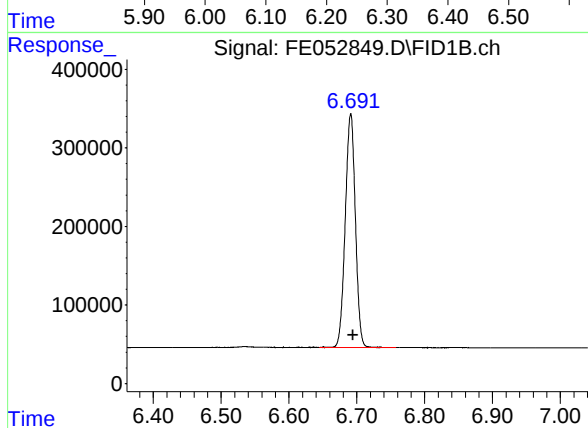
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: -0.004 min
Response: 3096825
Conc: 19.71 ug/ml



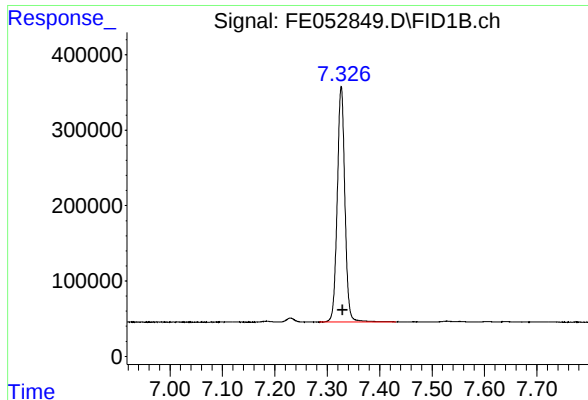
#3 A~Naphthalene (C11.7)

R.T.: 6.224 min
Delta R.T.: -0.004 min
Response: 3307808
Conc: 19.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.691 min
Delta R.T.: -0.004 min
Response: 3079876
Conc: 19.78 ug/ml



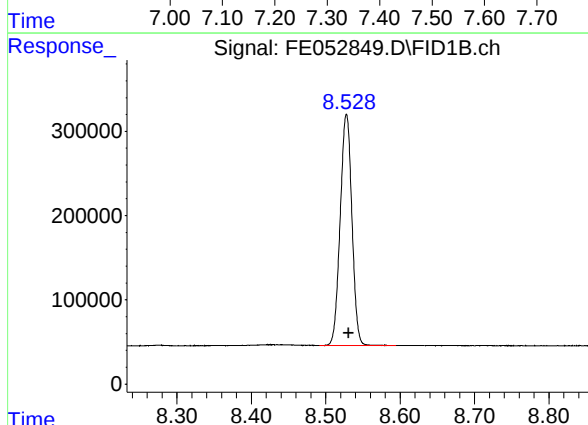
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.003 min
Response: 3167067
Conc: 19.54 ug/ml

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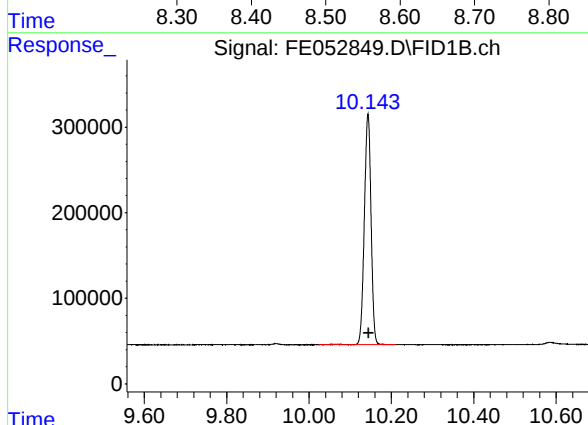
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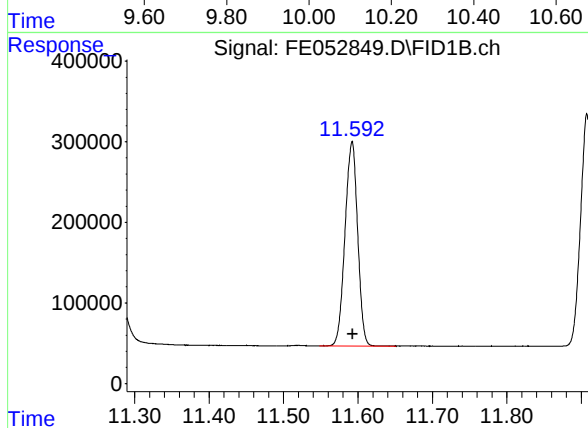
#6 n-Tetradecane (C14)

R.T.: 8.528 min
Delta R.T.: -0.003 min
Response: 3003972
Conc: 19.85 ug/ml



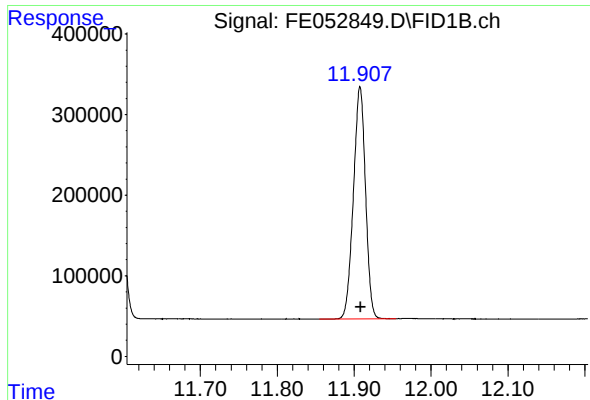
#7 n-Hexadecane (C16)

R.T.: 10.143 min
Delta R.T.: -0.001 min
Response: 3051925
Conc: 19.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.592 min
Delta R.T.: -0.001 min
Response: 2993303
Conc: 19.67 ug/ml



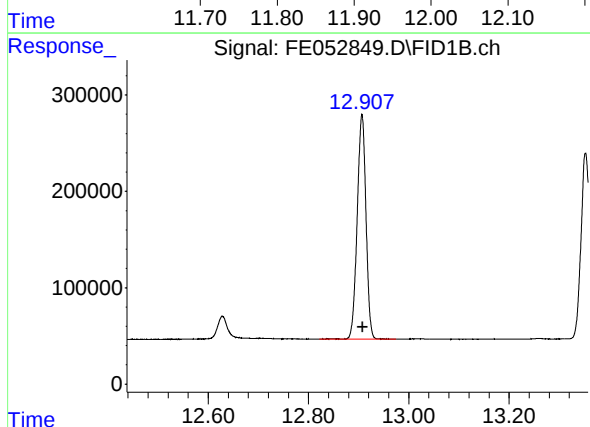
#9 ortho-Terphenyl (SURR)

R.T.: 11.908 min
Delta R.T.: -0.001 min
Response: 3151252
Conc: 18.69 ug/ml

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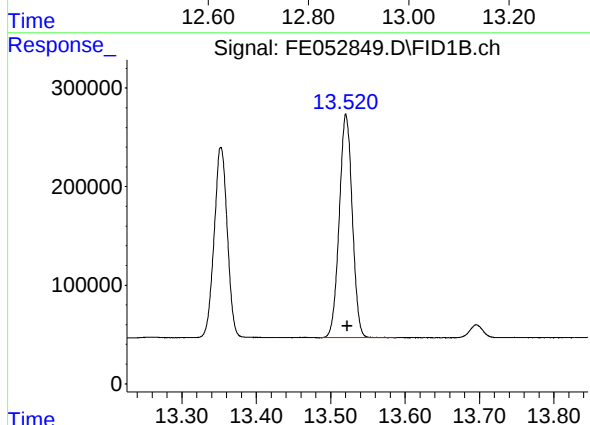
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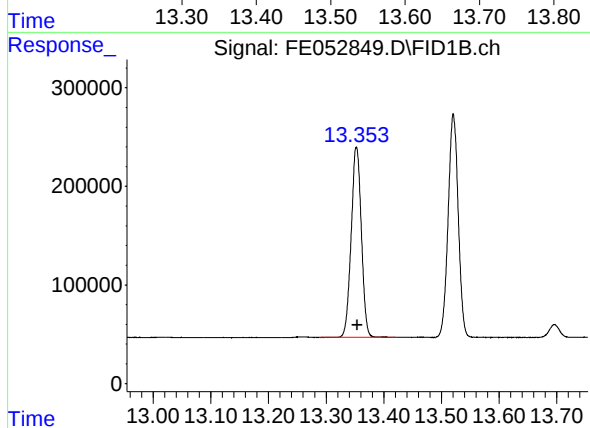
#10 n-Eicosane (C20)

R.T.: 12.907 min
Delta R.T.: -0.001 min
Response: 2832920
Conc: 19.51 ug/ml



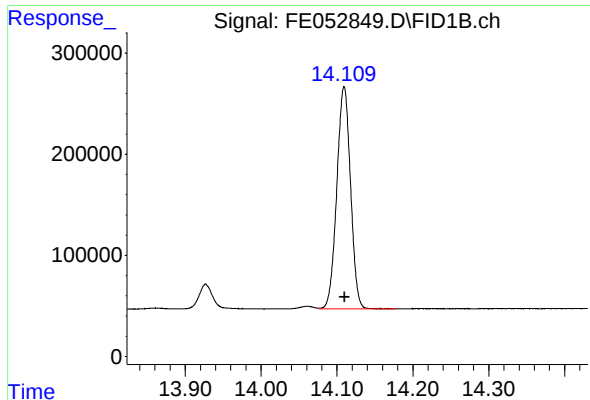
#11 n-Heneicosane (C21)

R.T.: 13.521 min
Delta R.T.: -0.002 min
Response: 2758122
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.353 min
Delta R.T.: -0.001 min
Response: 2371204
Conc: 19.53 ug/ml



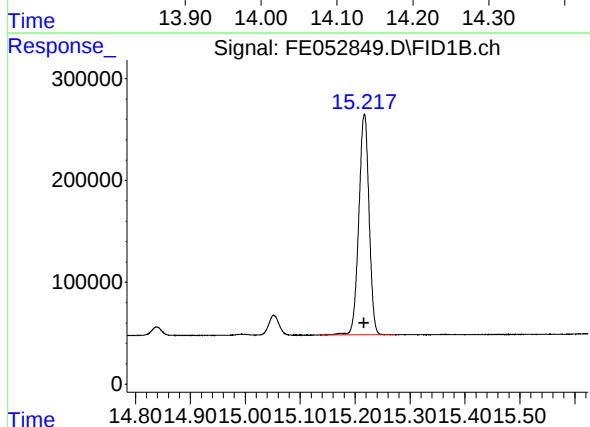
#13 n-Docosane (C22)

R.T.: 14.109 min
Delta R.T.: 0.000 min
Response: 2763743
Conc: 19.42 ug/ml

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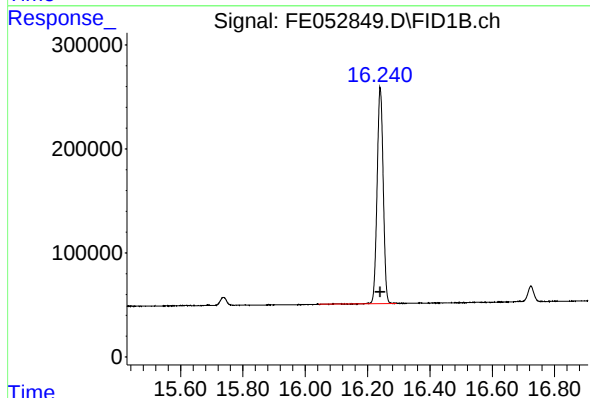
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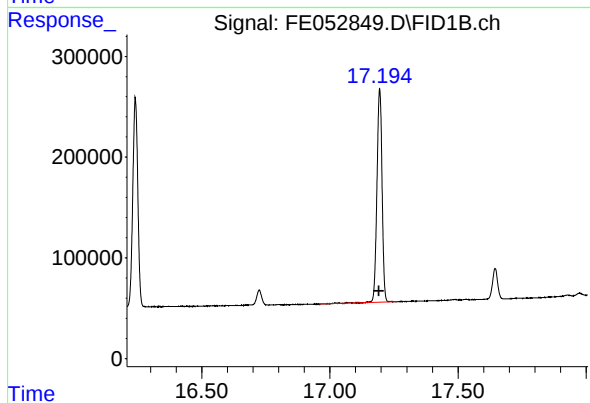
#14 n-Tetracosane (C24)

R.T.: 15.217 min
Delta R.T.: 0.000 min
Response: 2821212
Conc: 19.71 ug/ml



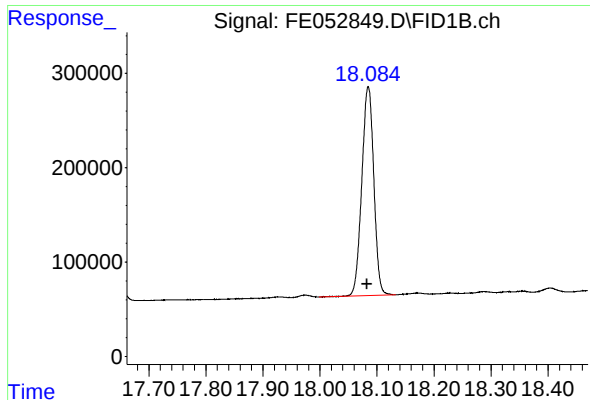
#15 n-Hexacosane (C26)

R.T.: 16.241 min
Delta R.T.: 0.000 min
Response: 2822870
Conc: 19.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.194 min
Delta R.T.: 0.002 min
Response: 2957224
Conc: 20.80 ug/ml



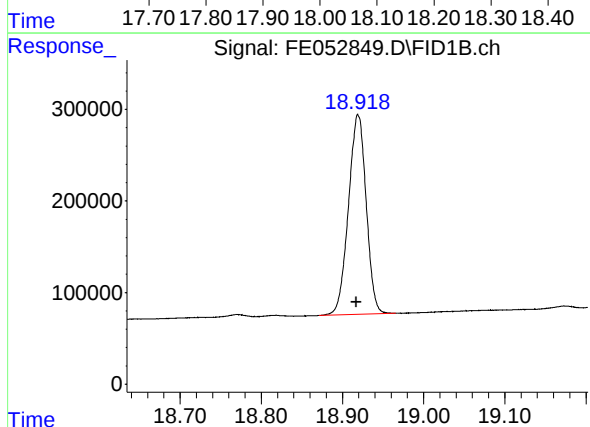
#17 n-Tricontane (C30)

R.T.: 18.085 min
Delta R.T.: 0.002 min
Response: 3238244
Conc: 21.92 ug/ml

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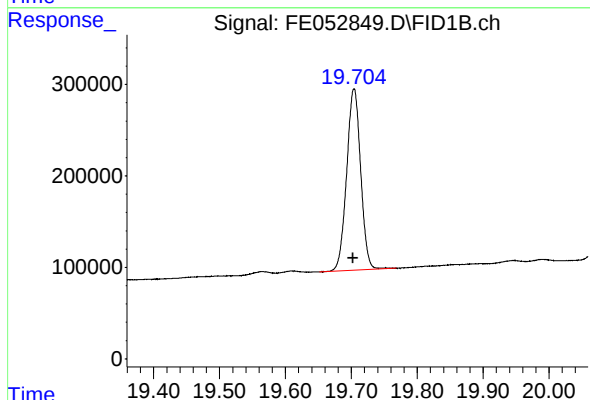
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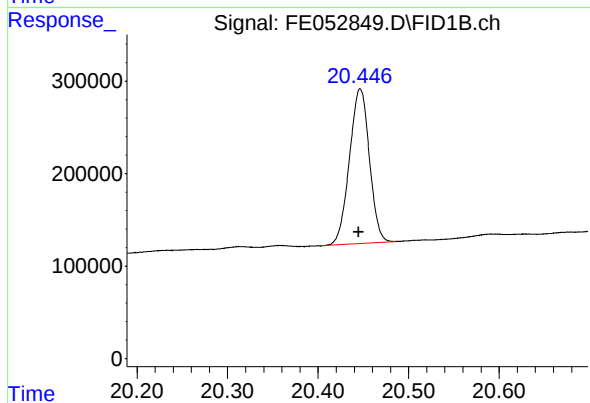
#18 n-Dotriacontane (C32)

R.T.: 18.919 min
Delta R.T.: 0.002 min
Response: 3307734
Conc: 22.78 ug/ml



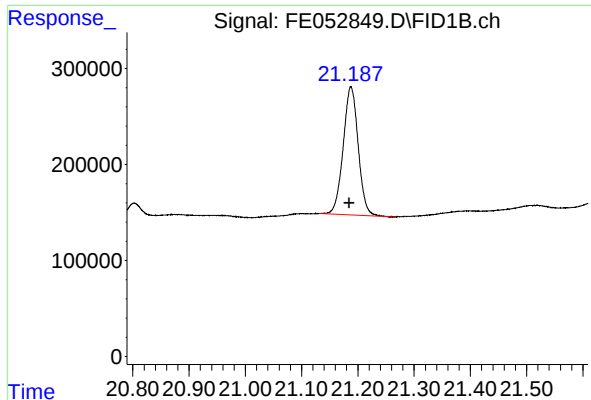
#19 n-Tetatriacontane (C34)

R.T.: 19.704 min
Delta R.T.: 0.002 min
Response: 2934884
Conc: 21.78 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: 0.002 min
Response: 2554842
Conc: 21.50 ug/ml



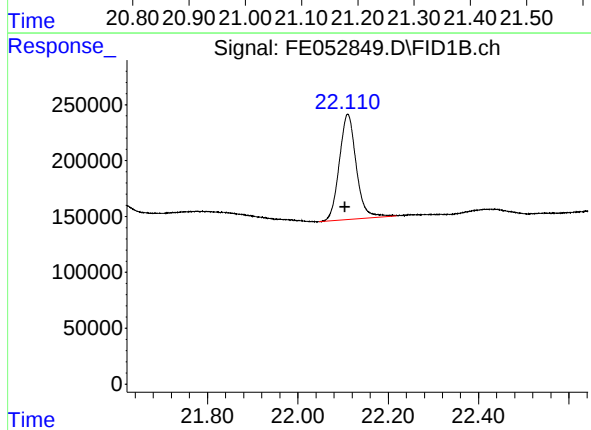
#21 n-Octatriacontane (C38)

R.T.: 21.188 min
Delta R.T.: 0.003 min
Response: 2473442
Conc: 22.30 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.110 min
Delta R.T.: 0.006 min
Response: 2447835
Conc: 22.64 ug/ml m