

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
 Data File : FE054494.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jun 2025 21:31
 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 06/19/2025
 Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e
 Quant Time: Jun 19 01:37:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.821	3232447	19.563 ug/ml
Spiked Amount 50.000		Recovery =	39.13%
12) S 1-chlorooctadecane (S...	13.266	2423667	19.874 ug/ml
Spiked Amount 50.000		Recovery =	39.75%
Target Compounds			
1) T n-Nonane (C9)	3.172	2384630	19.203 ug/ml
2) T n-Decane (C10)	4.434	2433701	19.587 ug/ml
3) T A~Naphthalene (C11.7)	6.149	2672884	19.778 ug/ml
4) T n-Dodecane (C12)	6.616	2512146	19.729 ug/ml
5) T A~2-methylnaphthalene...	7.252	2642428	19.950 ug/ml
6) T n-Tetradecane (C14)	8.450	2525892	19.510 ug/ml
7) T n-Hexadecane (C16)	10.062	2589263	19.492 ug/ml
8) T n-Octadecane (C18)	11.508	2647724	19.608 ug/ml
10) T n-Eicosane (C20)	12.821	2618237	19.572 ug/ml
11) T n-Heneicosane (C21)	13.434	2614853	19.665 ug/ml
13) T n-Docosane (C22)	14.021	2590595	19.757 ug/ml
14) T n-Tetracosane (C24)	15.126	2579693	19.999 ug/ml
15) T n-Hexacosane (C26)	16.149	2525903	20.122 ug/ml
16) T n-Octacosane (C28)	17.101	2518211	20.535 ug/ml
17) T n-Tricontane (C30)	17.990	2655173	21.423 ug/ml
18) T n-Dotriacontane (C32)	18.823	2783934	22.157 ug/ml
19) T n-Tetratriacontane (C34)	19.606	2699924	21.702 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	2697406	20.954 ug/mlm
21) T n-Octatriacontane (C38)	21.075	2623195	19.866 ug/ml
22) T n-Tetracontane (C40)	21.958	2666911	19.798 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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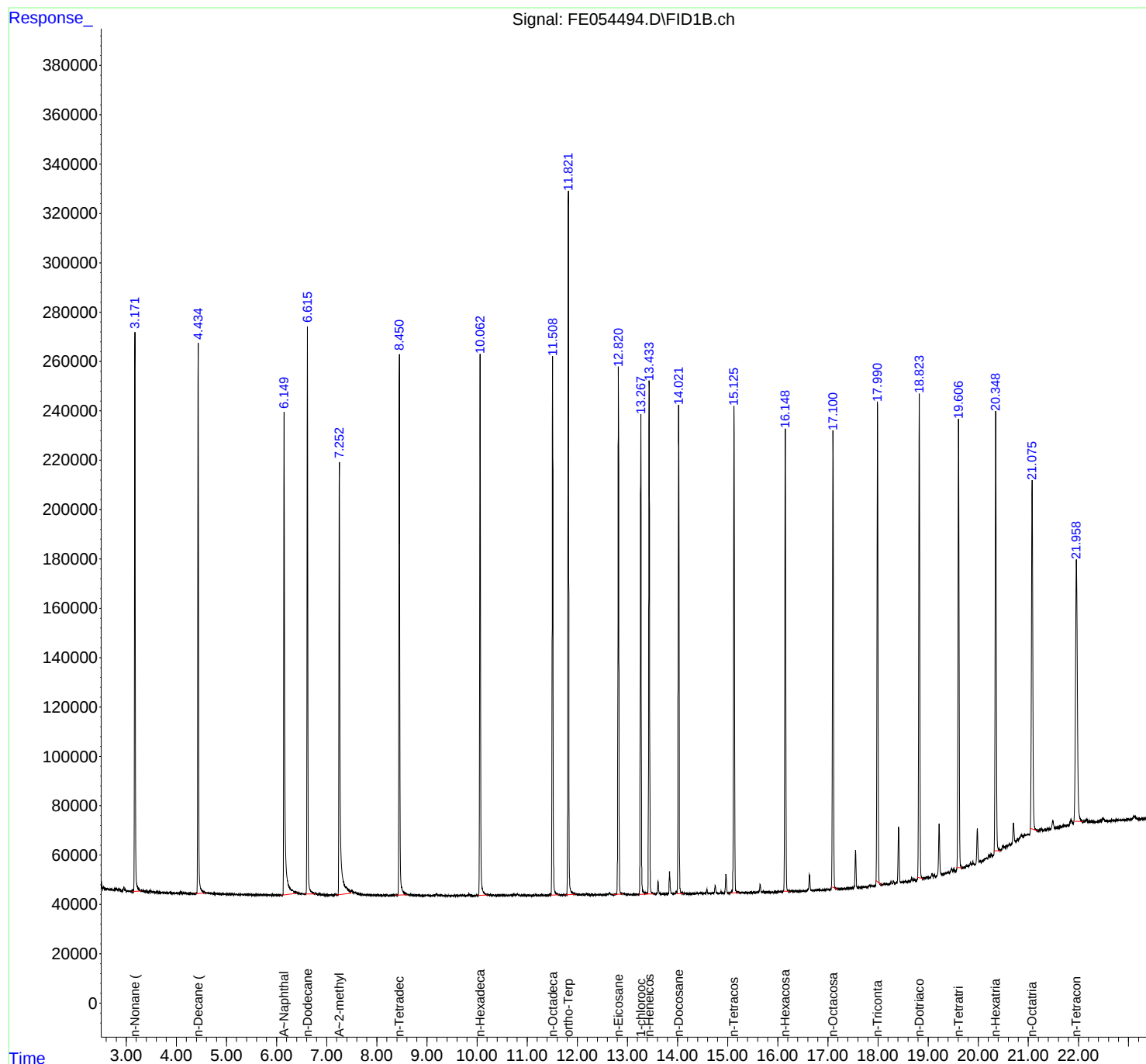
Instrument :
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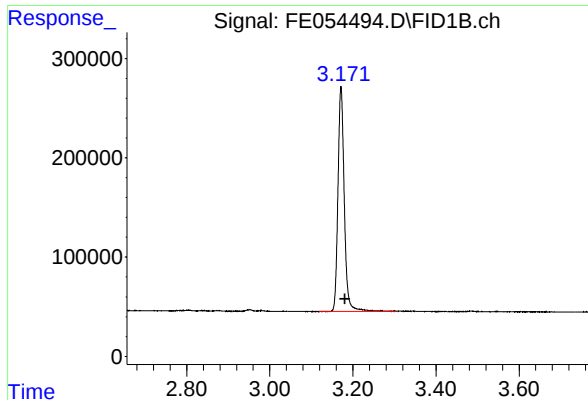
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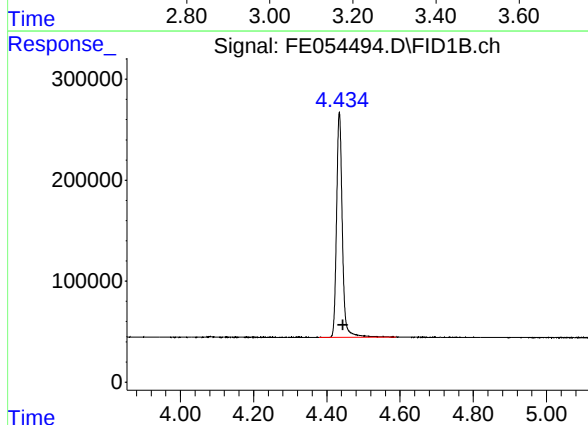
#1 n-Nonane (C9)

R.T.: 3.172 min
Delta R.T.: -0.009 min
Response: 2384630
Conc: 19.20 ug/ml

Instrument :
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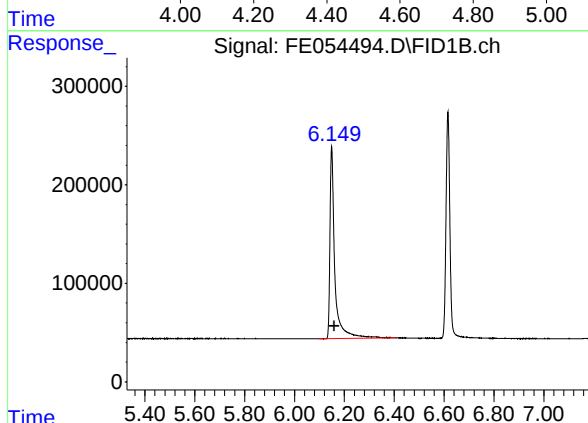
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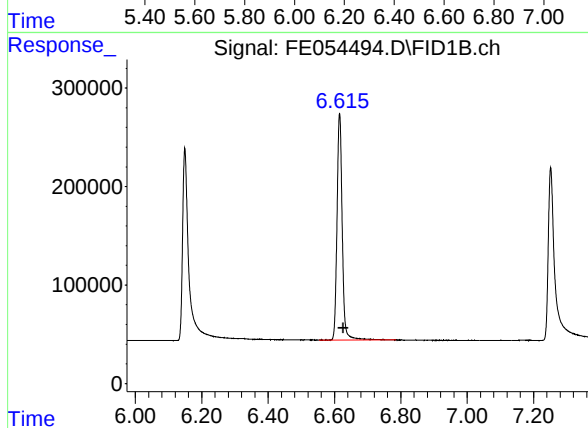
#2 n-Decane (C10)

R.T.: 4.434 min
Delta R.T.: -0.010 min
Response: 2433701
Conc: 19.59 ug/ml



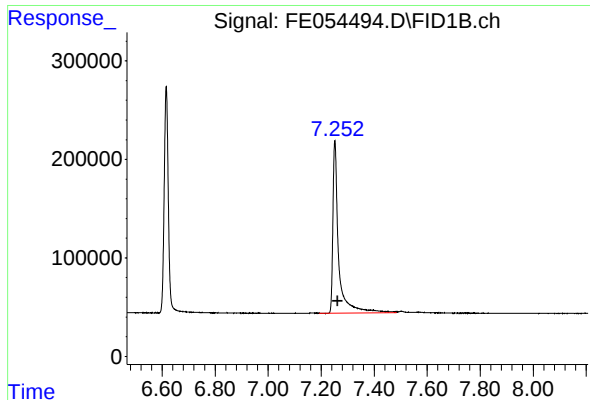
#3 A~Naphthalene (C11.7)

R.T.: 6.149 min
Delta R.T.: -0.011 min
Response: 2672884
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.616 min
Delta R.T.: -0.011 min
Response: 2512146
Conc: 19.73 ug/ml



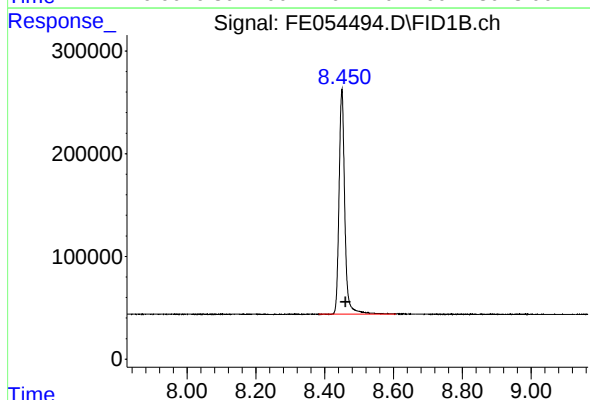
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.252 min
Delta R.T.: -0.011 min
Response: 2642428
Conc: 19.95 ug/ml

Instrument : FID_E
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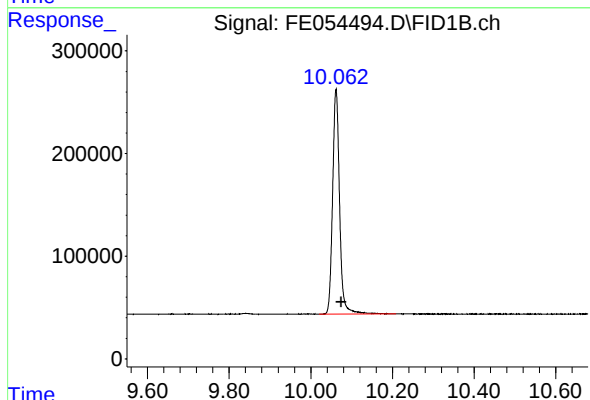
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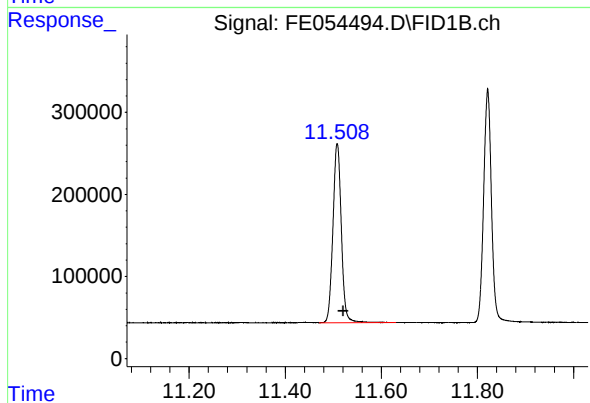
#6 n-Tetradecane (C14)

R.T.: 8.450 min
Delta R.T.: -0.011 min
Response: 2525892
Conc: 19.51 ug/ml



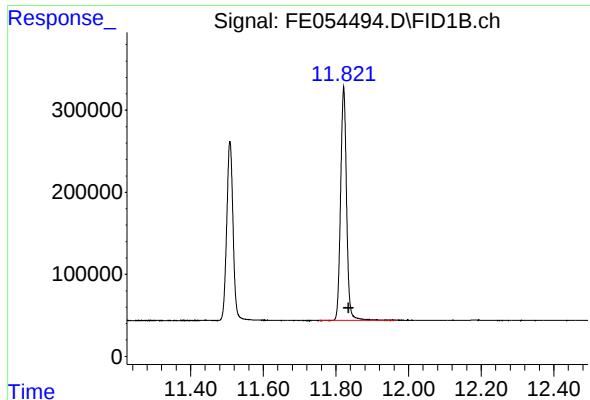
#7 n-Hexadecane (C16)

R.T.: 10.062 min
Delta R.T.: -0.013 min
Response: 2589263
Conc: 19.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.508 min
Delta R.T.: -0.013 min
Response: 2647724
Conc: 19.61 ug/ml



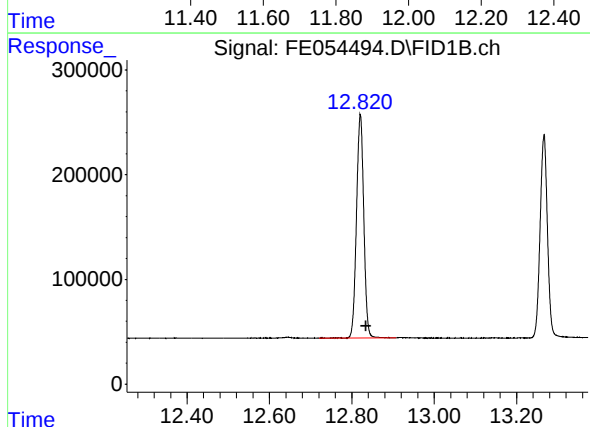
#9 ortho-Terphenyl (SURR)

R.T.: 11.821 min
Delta R.T.: -0.014 min
Response: 3232447
Conc: 19.56 ug/ml

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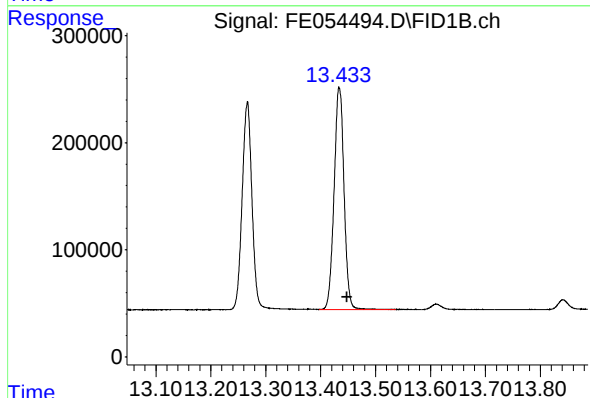
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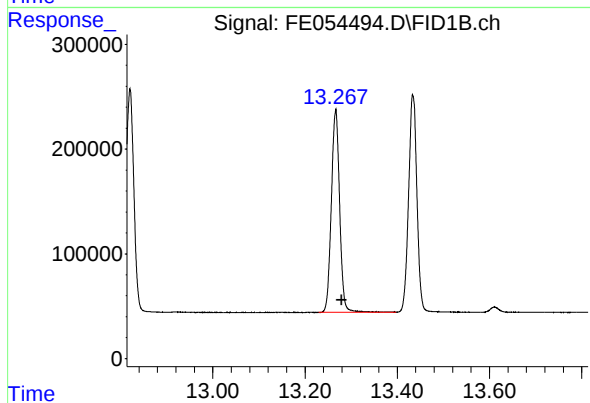
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.014 min
Response: 2618237
Conc: 19.57 ug/ml



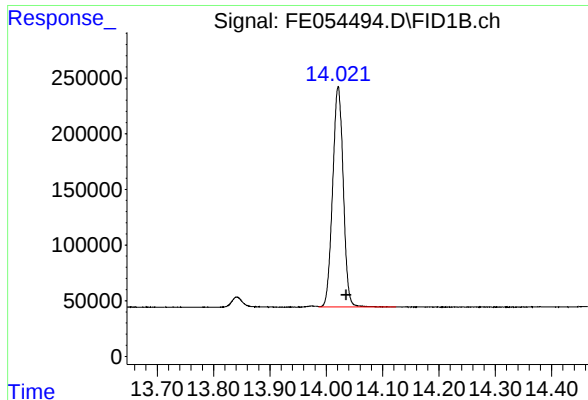
#11 n-Heneicosane (C21)

R.T.: 13.434 min
Delta R.T.: -0.014 min
Response: 2614853
Conc: 19.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.266 min
Delta R.T.: -0.013 min
Response: 2423667
Conc: 19.87 ug/ml



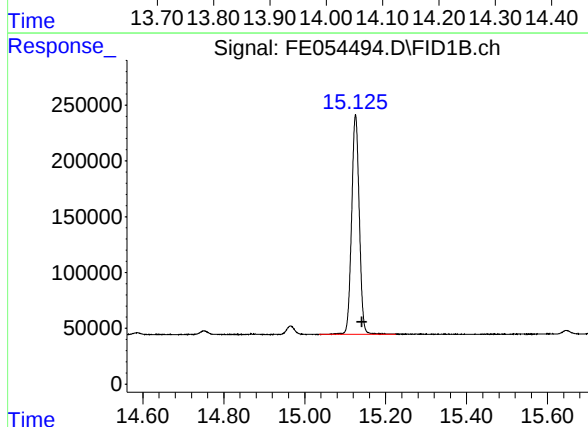
#13 n-Docosane (C22)

R.T.: 14.021 min
Delta R.T.: -0.014 min
Response: 2590595
Conc: 19.76 ug/ml

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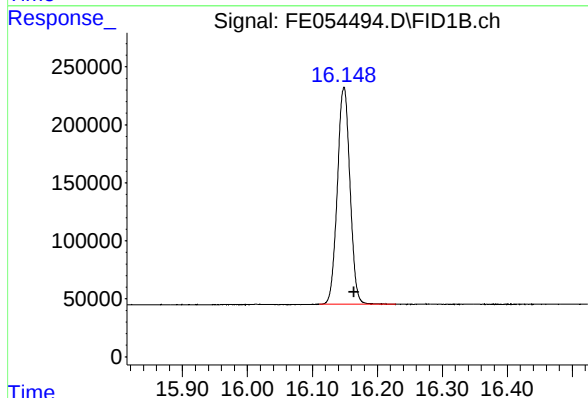
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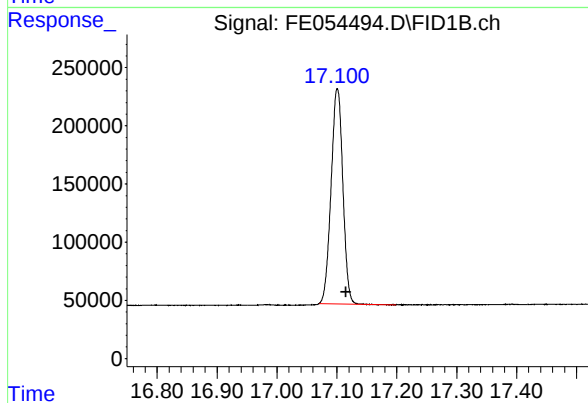
#14 n-Tetracosane (C24)

R.T.: 15.126 min
Delta R.T.: -0.016 min
Response: 2579693
Conc: 20.00 ug/ml



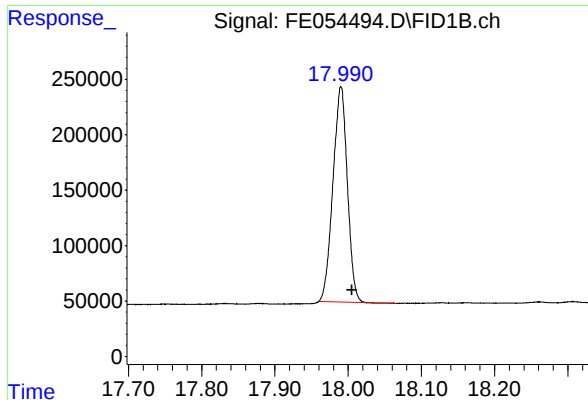
#15 n-Hexacosane (C26)

R.T.: 16.149 min
Delta R.T.: -0.016 min
Response: 2525903
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.014 min
Response: 2518211
Conc: 20.53 ug/ml



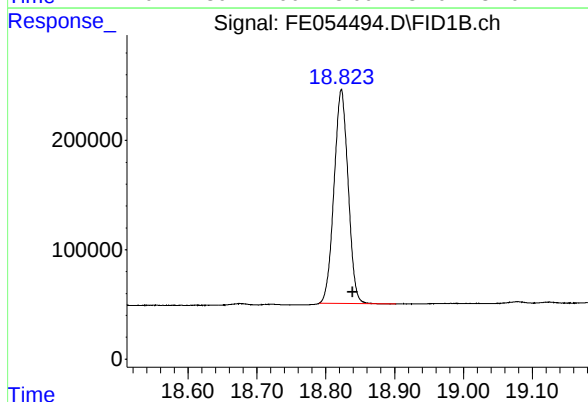
#17 n-Tricontane (C30)

R.T.: 17.990 min
Delta R.T.: -0.015 min
Response: 2655173
Conc: 21.42 ug/ml

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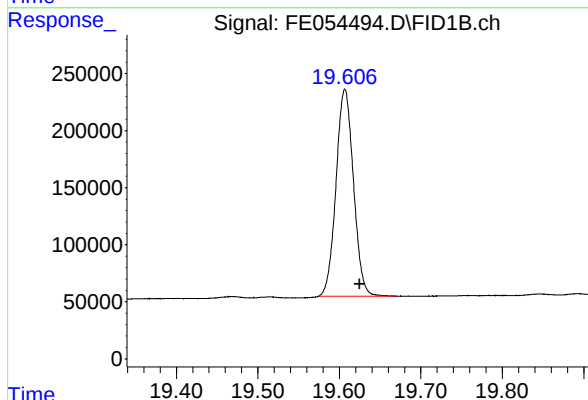
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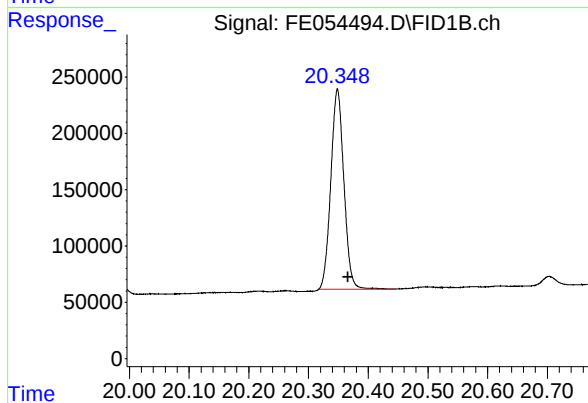
#18 n-Dotriacontane (C32)

R.T.: 18.823 min
Delta R.T.: -0.016 min
Response: 2783934
Conc: 22.16 ug/ml



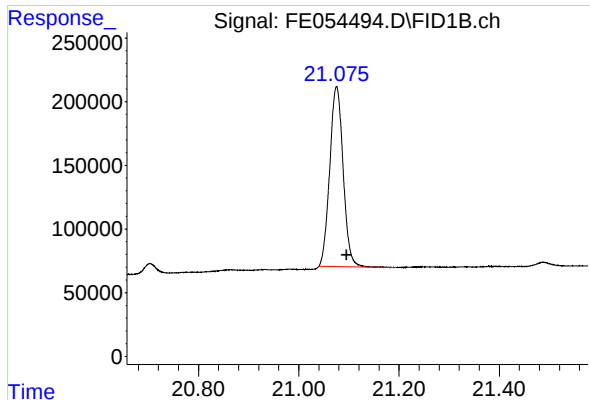
#19 n-Tetatriacontane (C34)

R.T.: 19.606 min
Delta R.T.: -0.019 min
Response: 2699924
Conc: 21.70 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.018 min
Response: 2697406
Conc: 20.95 ug/ml m



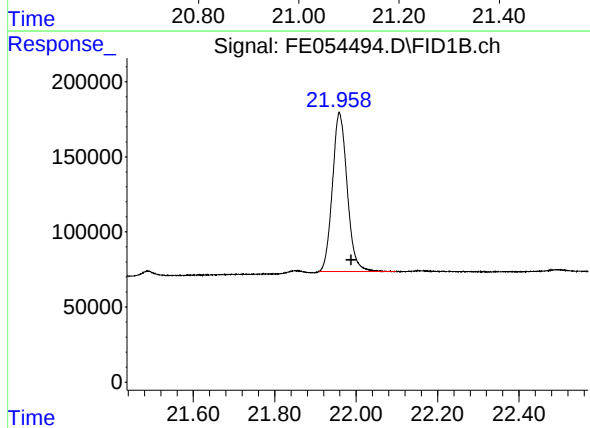
#21 n-Octatriacontane (C38)

R.T.: 21.075 min
Delta R.T.: -0.020 min
Response: 2623195
Conc: 19.87 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.958 min
Delta R.T.: -0.030 min
Response: 2666911
Conc: 19.80 ug/ml m