

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060225AL\
 Data File : FE054139.D
 Signal(s) : FID1B.ch
 Acq On : 03 Jun 2025 00:19
 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 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
 Quant Time: Jun 03 01:24:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.839	3359621	20.673 ug/ml
Spiked Amount 50.000		Recovery =	41.35%
12) S 1-chlorooctadecane (S...	13.284	2519050	21.249 ug/ml
Spiked Amount 50.000		Recovery =	42.50%
Target Compounds			
1) T n-Nonane (C9)	3.184	2377106	17.588 ug/ml
2) T n-Decane (C10)	4.448	2463944	18.234 ug/ml
3) T A~Naphthalene (C11.7)	6.164	2766477	19.250 ug/ml
4) T n-Dodecane (C12)	6.630	2590302	18.990 ug/ml
5) T A~2-methylnaphthalene...	7.266	2746490	19.801 ug/ml
6) T n-Tetradecane (C14)	8.465	2636320	19.536 ug/ml
7) T n-Hexadecane (C16)	10.078	2732964	20.254 ug/ml
8) T n-Octadecane (C18)	11.525	2774230	20.602 ug/mlm
10) T n-Eicosane (C20)	12.838	2754104	20.955 ug/ml
11) T n-Heneicosane (C21)	13.451	2726910	21.034 ug/ml
13) T n-Docosane (C22)	14.039	2734272	21.433 ug/ml
14) T n-Tetracosane (C24)	15.145	2777499	22.199 ug/ml
15) T n-Hexacosane (C26)	16.168	2734933	22.335 ug/ml
16) T n-Octacosane (C28)	17.120	2697917	22.193 ug/ml
17) T n-Tricontane (C30)	18.009	2714248	21.790 ug/ml
18) T n-Dotriacontane (C32)	18.843	2678662	21.420 ug/ml
19) T n-Tetratriacontane (C34)	19.628	2470949	20.743 ug/ml
20) T n-Hexatriacontane (C36)	20.369	2302673	19.887 ug/ml
21) T n-Octatriacontane (C38)	21.098	2082761	19.139 ug/ml
22) T n-Tetracontane (C40)	21.992	1997361	20.128 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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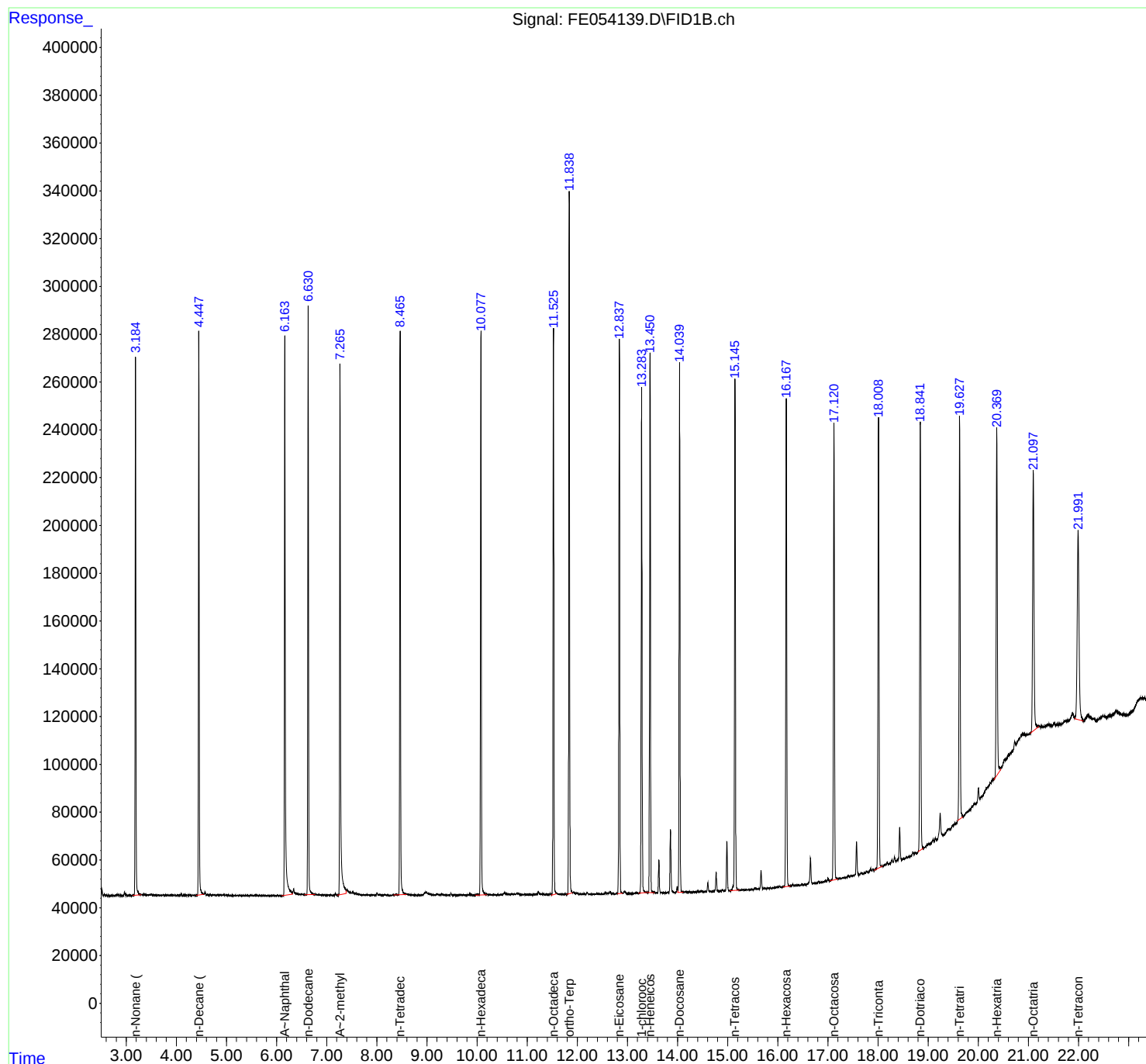
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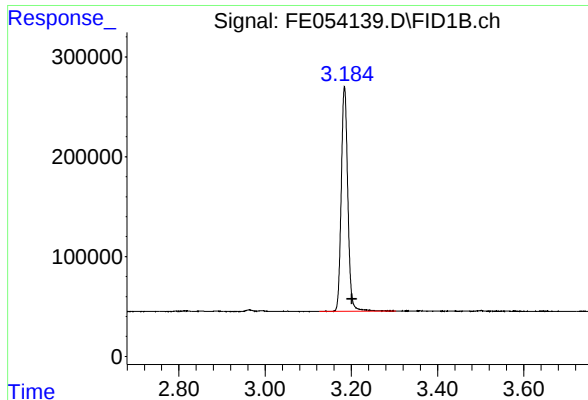
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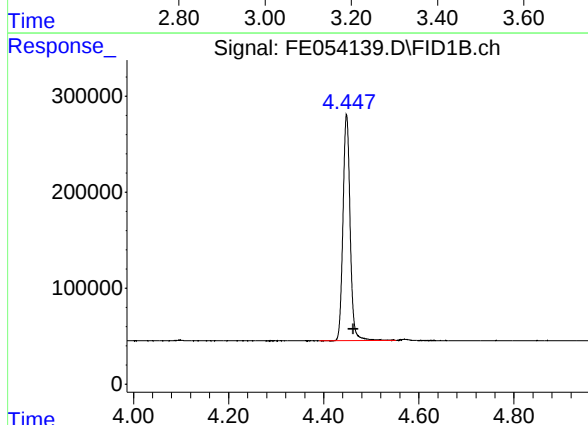
#1 n-Nonane (C9)

R.T.: 3.184 min
Delta R.T.: -0.018 min
Response: 2377106
Conc: 17.59 ug/ml

Instrument :
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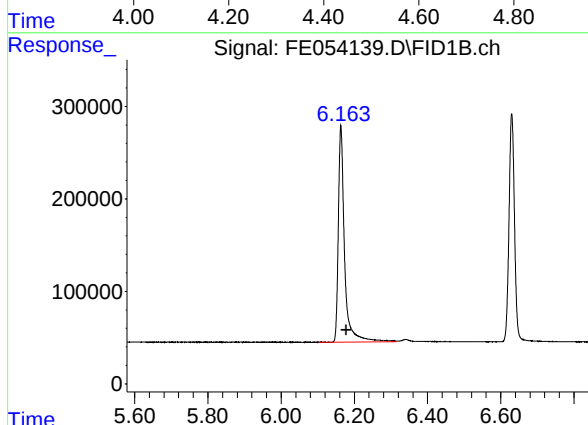
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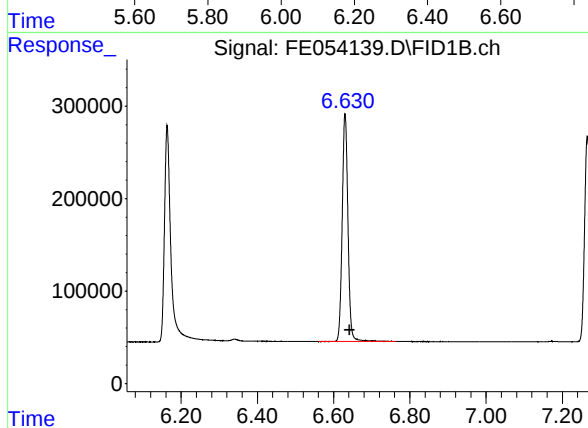
#2 n-Decane (C10)

R.T.: 4.448 min
Delta R.T.: -0.014 min
Response: 2463944
Conc: 18.23 ug/ml



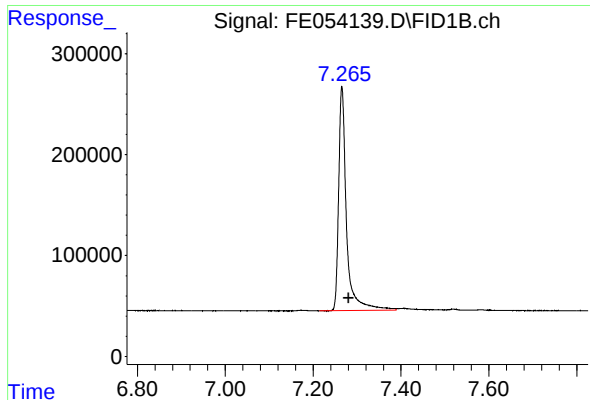
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: -0.015 min
Response: 2766477
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.012 min
Response: 2590302
Conc: 18.99 ug/ml



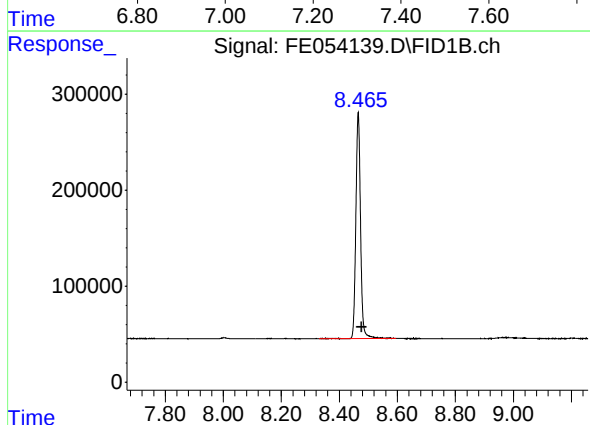
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.266 min
Delta R.T.: -0.015 min
Response: 2746490
Conc: 19.80 ug/ml

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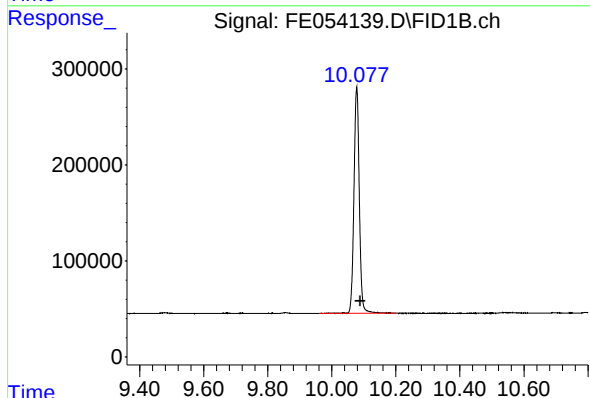
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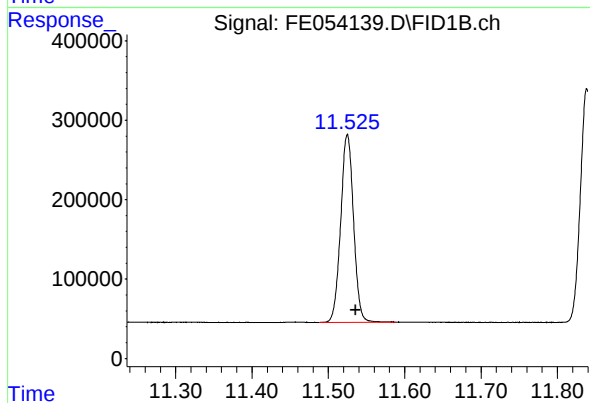
#6 n-Tetradecane (C14)

R.T.: 8.465 min
Delta R.T.: -0.012 min
Response: 2636320
Conc: 19.54 ug/ml



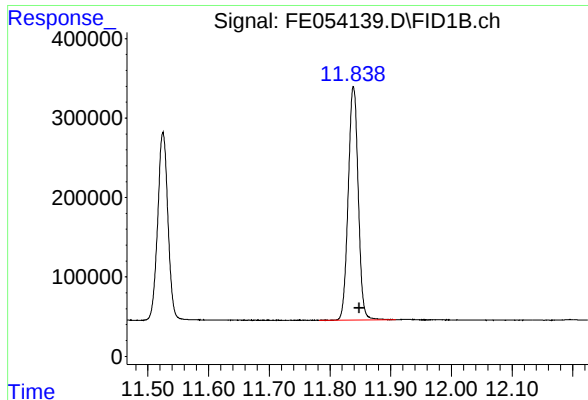
#7 n-Hexadecane (C16)

R.T.: 10.078 min
Delta R.T.: -0.012 min
Response: 2732964
Conc: 20.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.011 min
Response: 2774230
Conc: 20.60 ug/ml m



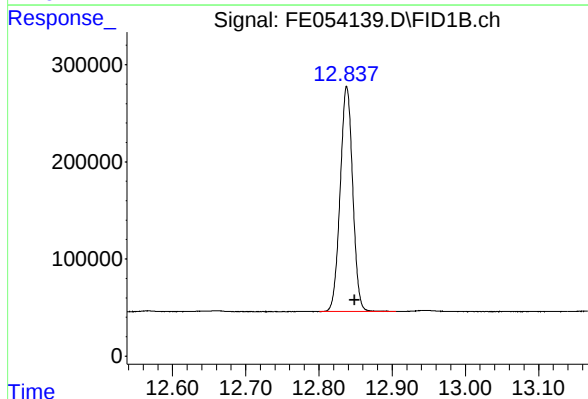
#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.010 min
Response: 3359621
Conc: 20.67 ug/ml

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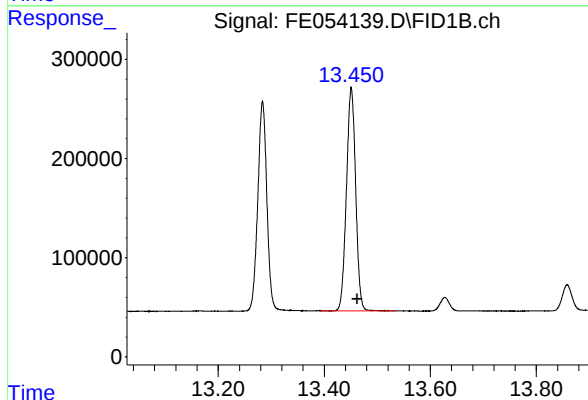
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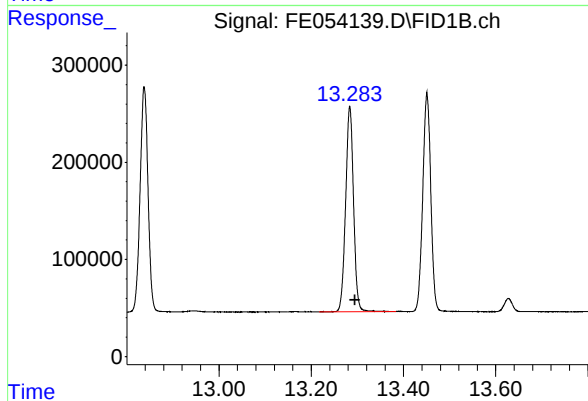
#10 n-Eicosane (C20)

R.T.: 12.838 min
Delta R.T.: -0.011 min
Response: 2754104
Conc: 20.96 ug/ml



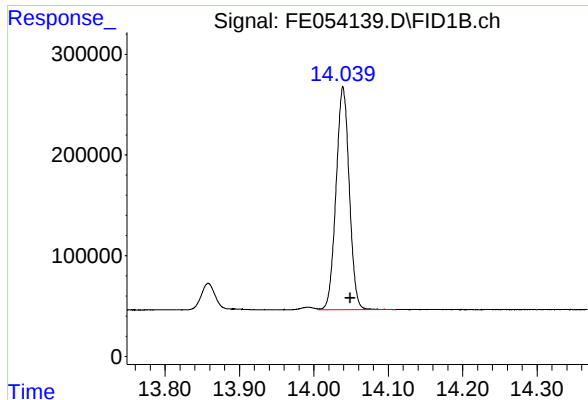
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: -0.011 min
Response: 2726910
Conc: 21.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.284 min
Delta R.T.: -0.011 min
Response: 2519050
Conc: 21.25 ug/ml



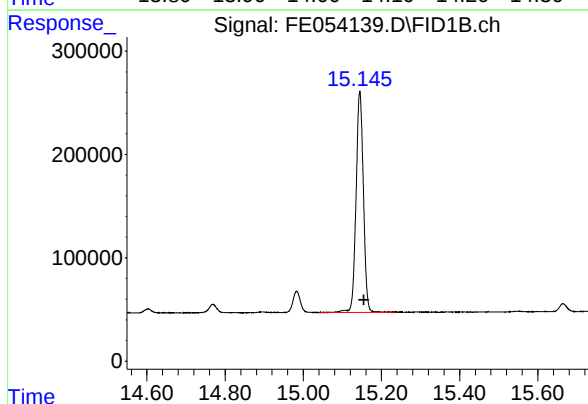
#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.010 min
Response: 2734272
Conc: 21.43 ug/ml

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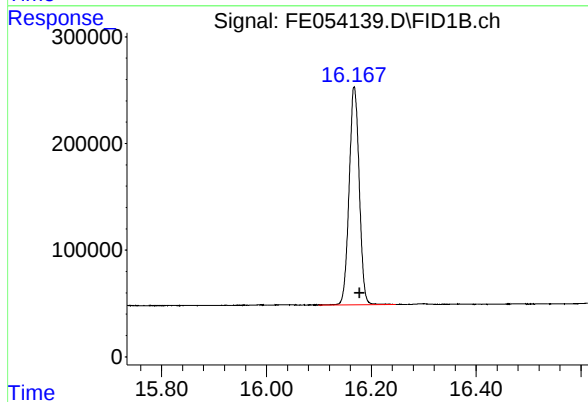
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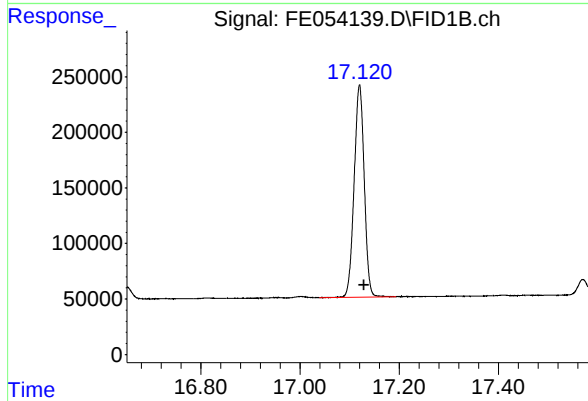
#14 n-Tetracosane (C24)

R.T.: 15.145 min
Delta R.T.: -0.010 min
Response: 2777499
Conc: 22.20 ug/ml



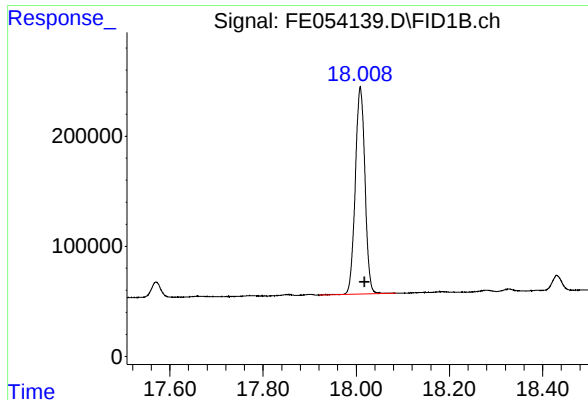
#15 n-Hexacosane (C26)

R.T.: 16.168 min
Delta R.T.: -0.010 min
Response: 2734933
Conc: 22.33 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.009 min
Response: 2697917
Conc: 22.19 ug/ml



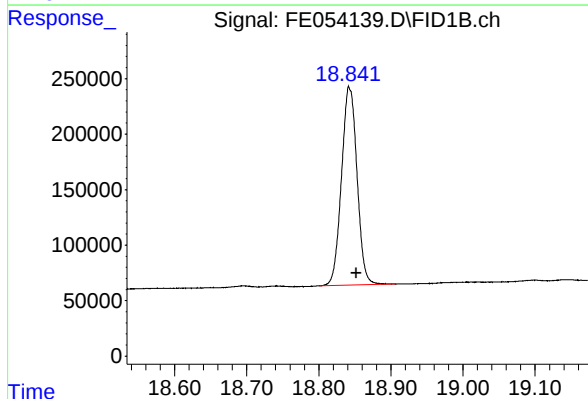
#17 n-Tricontane (C30)

R.T.: 18.009 min
Delta R.T.: -0.009 min
Response: 2714248
Conc: 21.79 ug/ml

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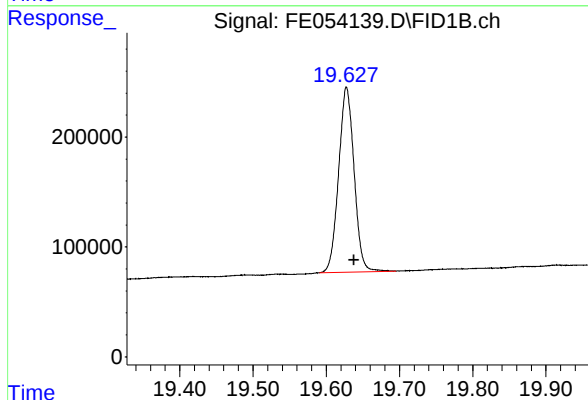
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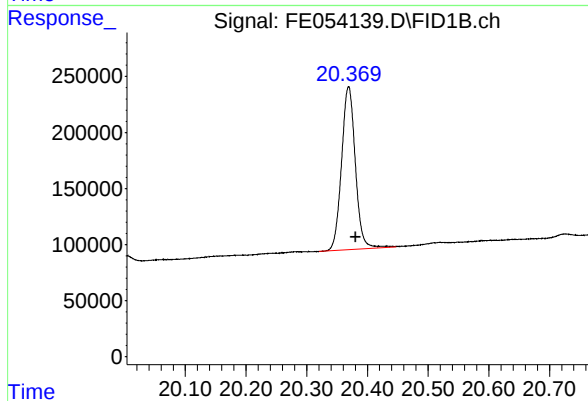
#18 n-Dotriacontane (C32)

R.T.: 18.843 min
Delta R.T.: -0.009 min
Response: 2678662
Conc: 21.42 ug/ml



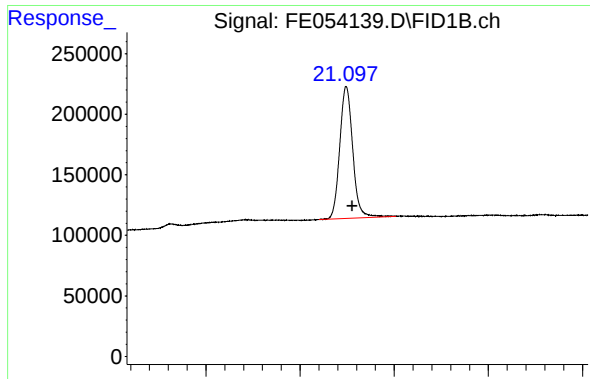
#19 n-Tetatriacontane (C34)

R.T.: 19.628 min
Delta R.T.: -0.010 min
Response: 2470949
Conc: 20.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.369 min
Delta R.T.: -0.011 min
Response: 2302673
Conc: 19.89 ug/ml



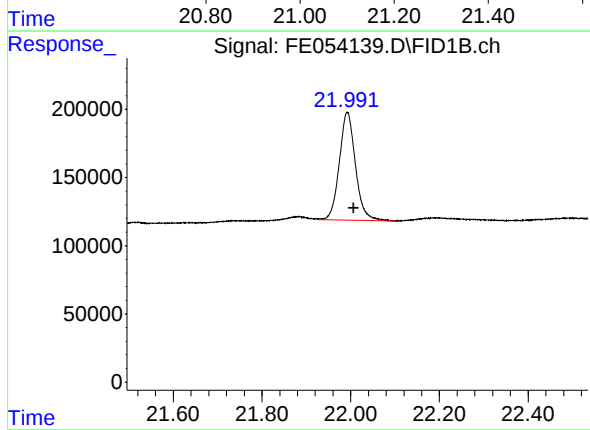
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.013 min
Response: 2082761
Conc: 19.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: -0.015 min
Response: 1997361
Conc: 20.13 ug/ml