

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052825AL\
 Data File : FE054061.D
 Signal(s) : FID1B.ch
 Acq On : 29 May 2025 09:27
 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 05/30/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 29 09:53:47 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)	11.841	3089267	19.009 ug/ml
Spiked Amount 50.000		Recovery =	38.02%
12) S 1-chlorooctadecane (S...	13.285	2291508	19.330 ug/ml
Spiked Amount 50.000		Recovery =	38.66%
Target Compounds			
1) T n-Nonane (C9)	3.189	2226708	16.475 ug/ml
2) T n-Decane (C10)	4.451	2273129	16.822 ug/ml
3) T A~Naphthalene (C11.7)	6.165	2482302	17.272 ug/ml
4) T n-Dodecane (C12)	6.633	2345249	17.193 ug/ml
5) T A~2-methylnaphthalene...	7.268	2481022	17.887 ug/ml
6) T n-Tetradecane (C14)	8.467	2380095	17.637 ug/ml
7) T n-Hexadecane (C16)	10.080	2461791	18.244 ug/ml
8) T n-Octadecane (C18)	11.526	2516858	18.690 ug/ml
10) T n-Eicosane (C20)	12.839	2497970	19.006 ug/ml
11) T n-Heneicosane (C21)	13.453	2486765	19.182 ug/ml
13) T n-Docosane (C22)	14.040	2475278	19.402 ug/ml
14) T n-Tetracosane (C24)	15.146	2449448	19.577 ug/ml
15) T n-Hexacosane (C26)	16.170	2400065	19.600 ug/ml
16) T n-Octacosane (C28)	17.121	2384215	19.613 ug/ml
17) T n-Tricontane (C30)	18.009	2467959	19.813 ug/ml
18) T n-Dotriacontane (C32)	18.844	2487396	19.890 ug/ml
19) T n-Tetratriacontane (C34)	19.629	2393887	20.096 ug/ml
20) T n-Hexatriacontane (C36)	20.370	2382053	20.573 ug/ml
21) T n-Octatriacontane (C38)	21.100	2298779	21.124 ug/ml
22) T n-Tetracontane (C40)	21.994	2256307	22.738 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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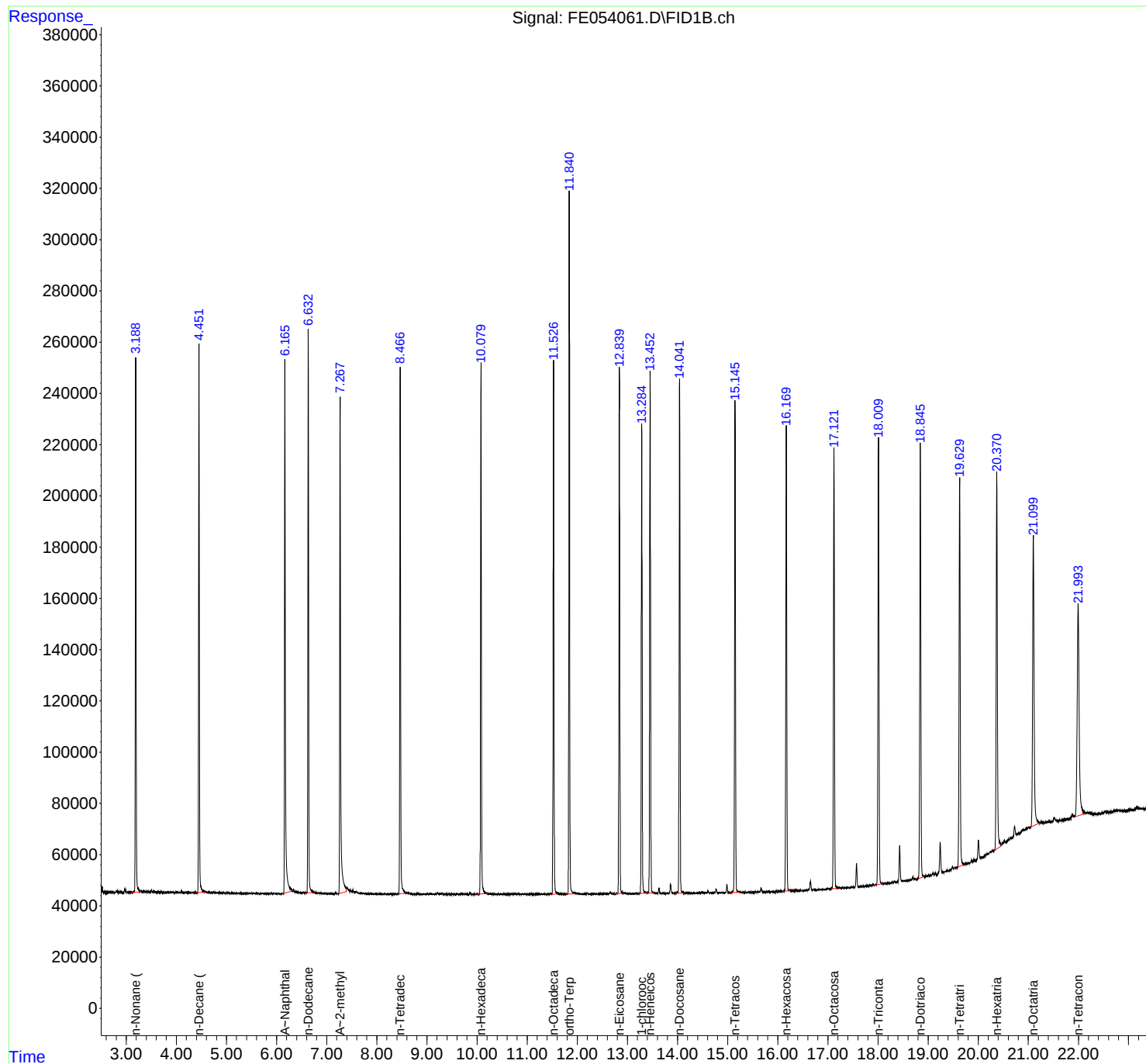
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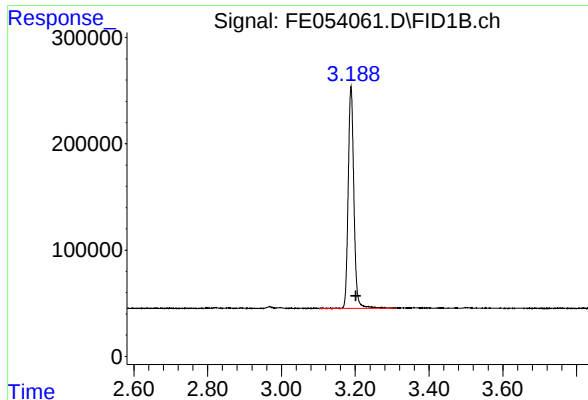
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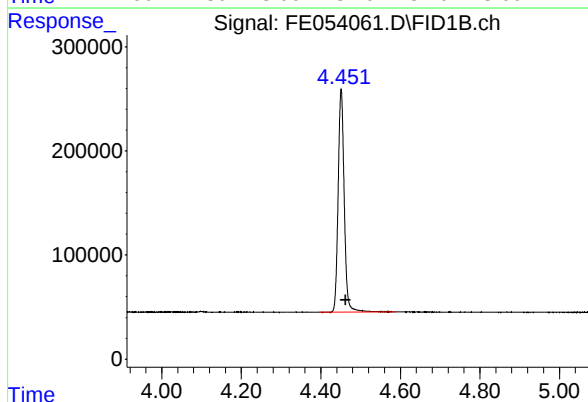
#1 n-Nonane (C9)

R.T.: 3.189 min
Delta R.T.: -0.013 min
Response: 2226708
Conc: 16.48 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

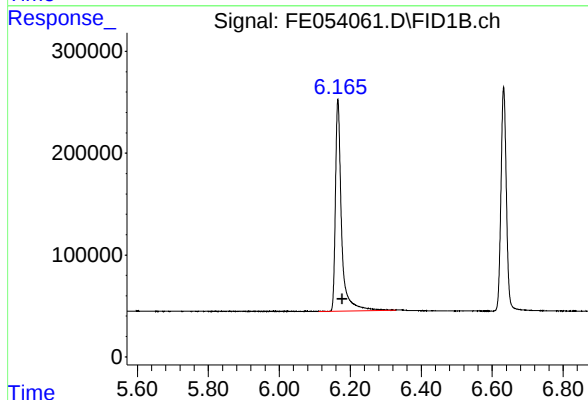
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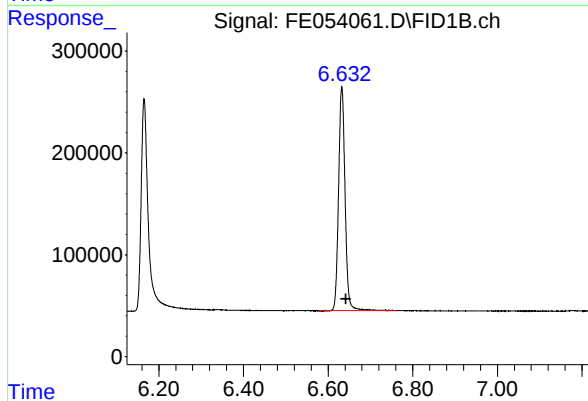
#2 n-Decane (C10)

R.T.: 4.451 min
Delta R.T.: -0.011 min
Response: 2273129
Conc: 16.82 ug/ml



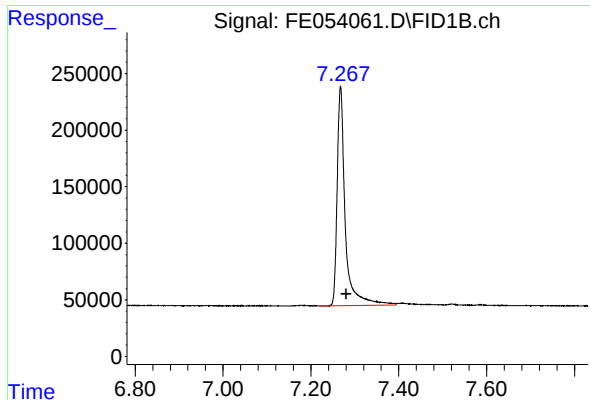
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.013 min
Response: 2482302
Conc: 17.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.633 min
Delta R.T.: -0.010 min
Response: 2345249
Conc: 17.19 ug/ml



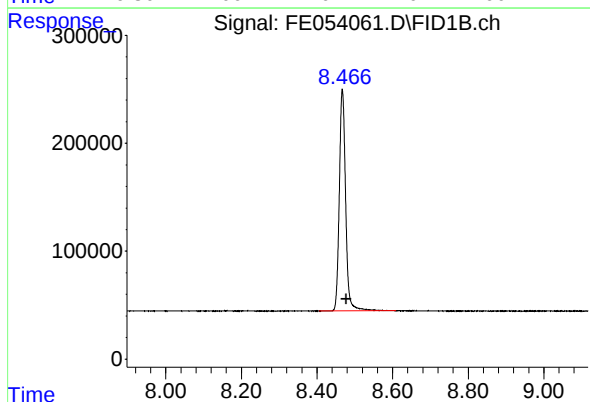
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.268 min
Delta R.T.: -0.013 min
Response: 2481022
Conc: 17.89 ug/ml

Instrument : FID_E
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20 PPM ALIPHATIC HC STD

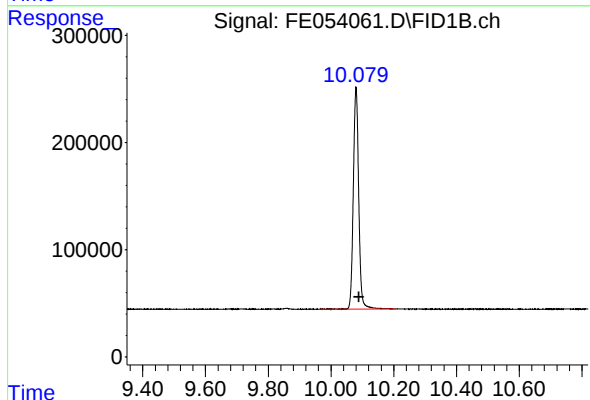
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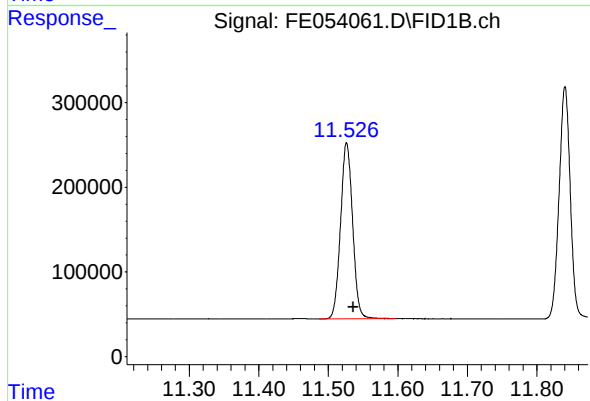
#6 n-Tetradecane (C14)

R.T.: 8.467 min
Delta R.T.: -0.010 min
Response: 2380095
Conc: 17.64 ug/ml



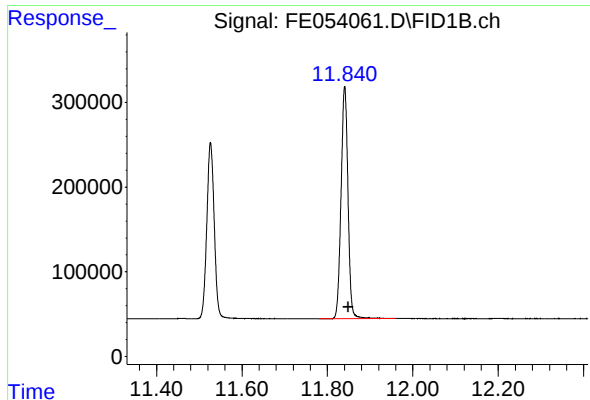
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.010 min
Response: 2461791
Conc: 18.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.526 min
Delta R.T.: -0.010 min
Response: 2516858
Conc: 18.69 ug/ml m



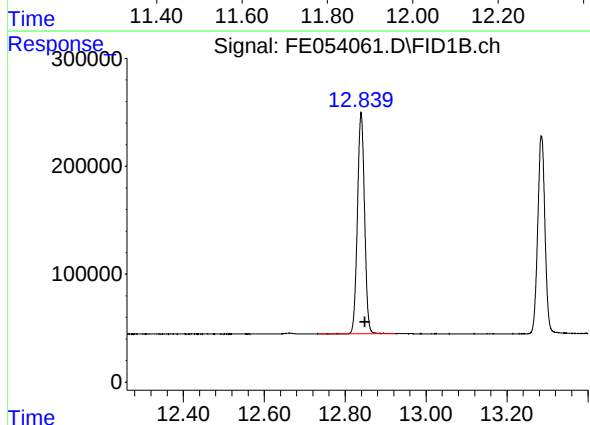
#9 ortho-Terphenyl (SURR)

R.T.: 11.841 min
Delta R.T.: -0.008 min
Response: 3089267
Conc: 19.01 ug/ml

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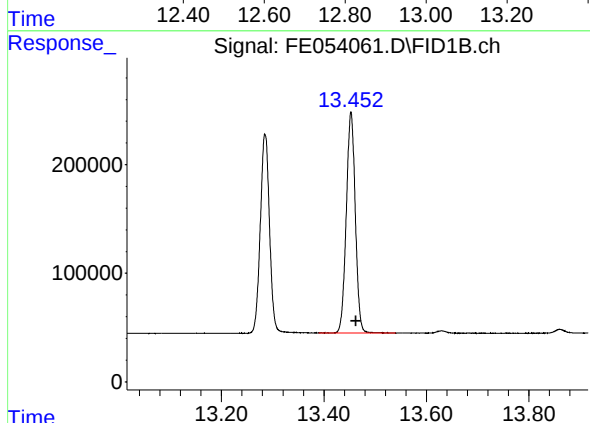
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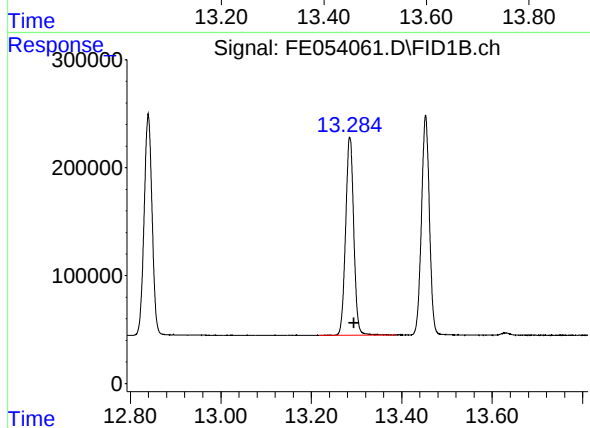
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: -0.009 min
Response: 2497970
Conc: 19.01 ug/ml



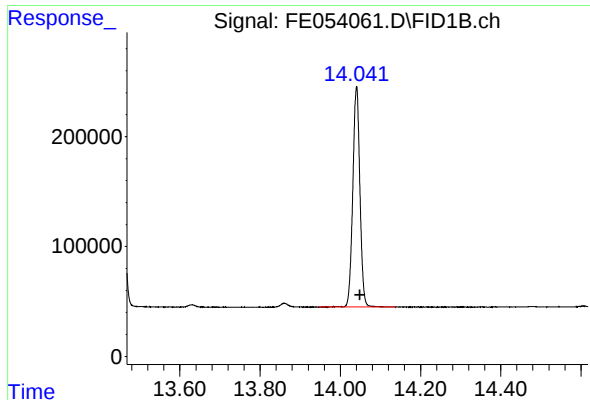
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.009 min
Response: 2486765
Conc: 19.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.009 min
Response: 2291508
Conc: 19.33 ug/ml



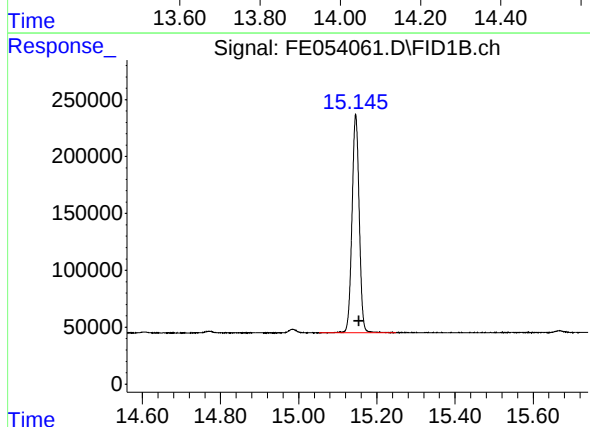
#13 n-Docosane (C22)

R.T.: 14.040 min
Delta R.T.: -0.009 min
Response: 2475278
Conc: 19.40 ug/ml

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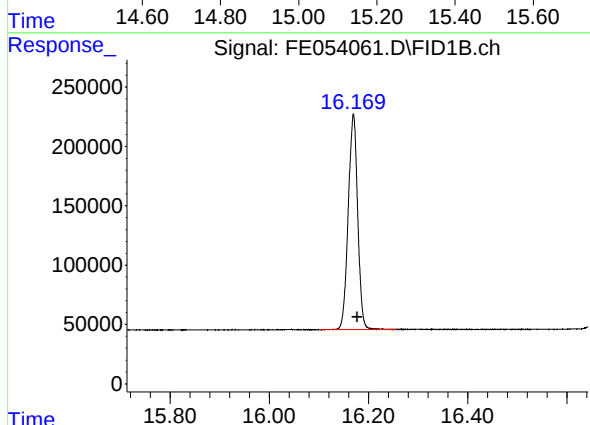
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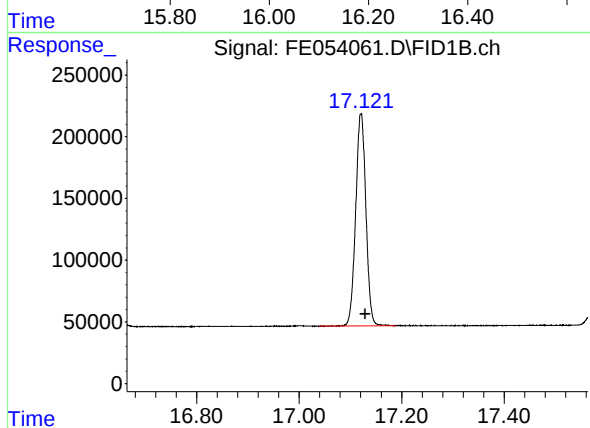
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: -0.009 min
Response: 2449448
Conc: 19.58 ug/ml



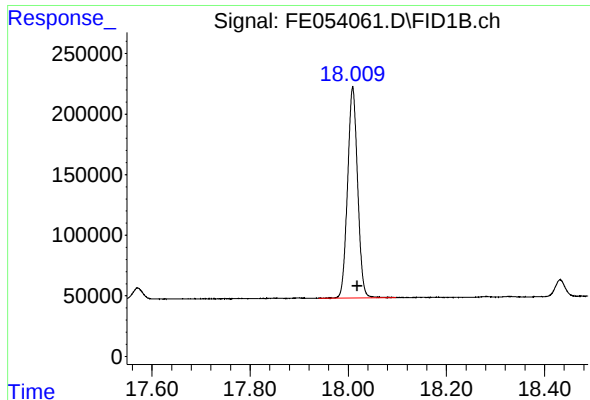
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: -0.008 min
Response: 2400065
Conc: 19.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min
Delta R.T.: -0.008 min
Response: 2384215
Conc: 19.61 ug/ml



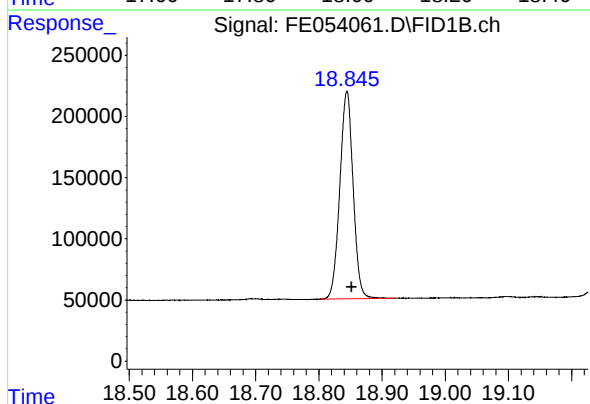
#17 n-Tricontane (C30)

R.T.: 18.009 min
Delta R.T.: -0.009 min
Response: 2467959
Conc: 19.81 ug/ml

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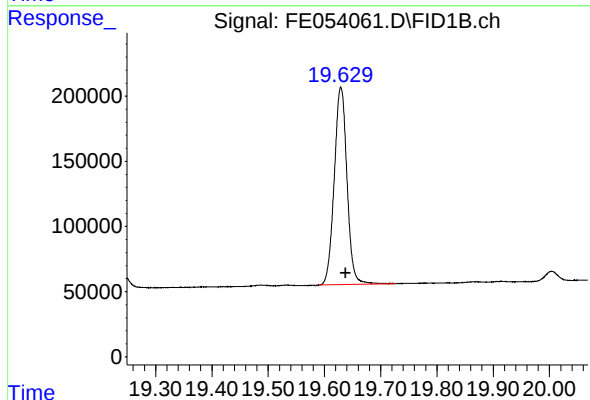
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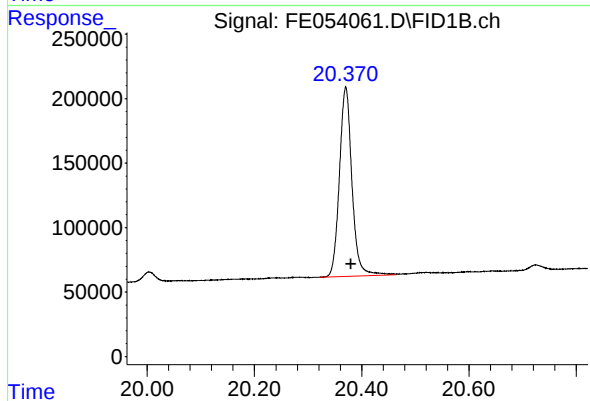
#18 n-Dotriacontane (C32)

R.T.: 18.844 min
Delta R.T.: -0.008 min
Response: 2487396
Conc: 19.89 ug/ml



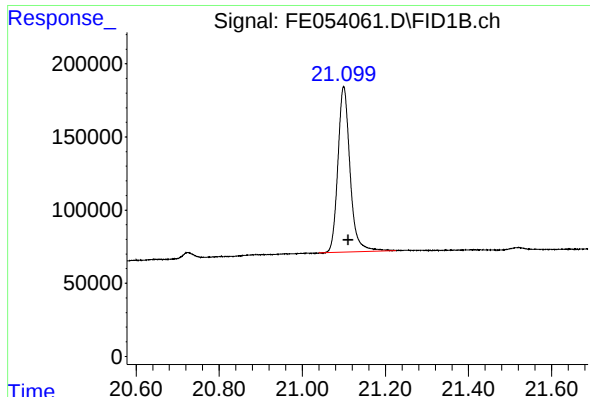
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: -0.008 min
Response: 2393887
Conc: 20.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.370 min
Delta R.T.: -0.010 min
Response: 2382053
Conc: 20.57 ug/ml



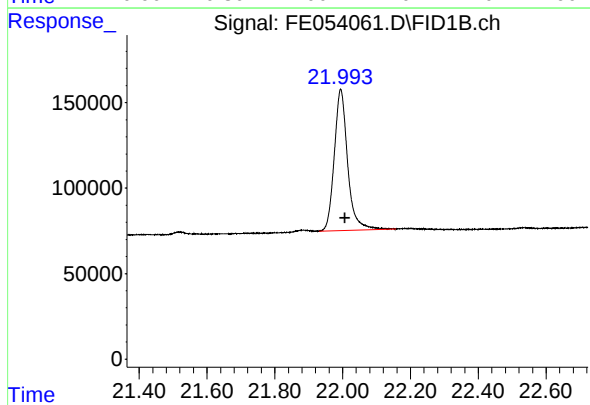
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.011 min
Response: 2298779
Conc: 21.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.013 min
Response: 2256307
Conc: 22.74 ug/ml