

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122823AL\
 Data File : FE045997.D
 Signal(s) : FID1B.ch
 Acq On : 28 Dec 2023 05:59
 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 12/29/2023
 Supervised By :Ankita Jodhani 12/29/2023

Integration File: autoint1.e
 Quant Time: Dec 28 23:50:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 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)	11.838	4115503	19.680 ug/ml
Spiked Amount 50.000		Recovery =	39.36%
12) S 1-chlorooctadecane (S...	13.283	3017869	19.180 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
Target Compounds			
1) T n-Nonane (C9)	3.223	3421971	21.579 ug/ml
2) T n-Decane (C10)	4.474	3517147	21.964 ug/ml
3) T A~Naphthalene (C11.7)	6.175	3768671	21.635 ug/ml
4) T n-Dodecane (C12)	6.642	3547760	21.964 ug/ml
5) T A~2-methylnaphthalene...	7.272	3636576	21.414 ug/ml
6) T n-Tetradecane (C14)	8.468	3515628	21.915 ug/ml
7) T n-Hexadecane (C16)	10.079	3562529	21.514 ug/ml
8) T n-Octadecane (C18)	11.525	3539046	20.642 ug/ml
10) T n-Eicosane (C20)	12.837	3396055	19.628 ug/ml
11) T n-Heneicosane (C21)	13.450	3315292	19.272 ug/ml
13) T n-Docosane (C22)	14.037	3264039	18.931 ug/ml
14) T n-Tetracosane (C24)	15.144	3178636	18.207 ug/ml
15) T n-Hexacosane (C26)	16.167	3121011	17.921 ug/ml
16) T n-Octacosane (C28)	17.120	3124179	18.076 ug/ml
17) T n-Tricontane (C30)	18.011	3274261	18.716 ug/ml
18) T n-Dotriacontane (C32)	18.847	3329084	18.248 ug/ml
19) T n-Tetratriacontane (C34)	19.634	3270530	19.710 ug/ml
20) T n-Hexatriacontane (C36)	20.377	3266512	20.578 ug/ml
21) T n-Octatriacontane (C38)	21.109	3395776	21.654 ug/mlm
22) T n-Tetracontane (C40)	22.017	3458522	24.336 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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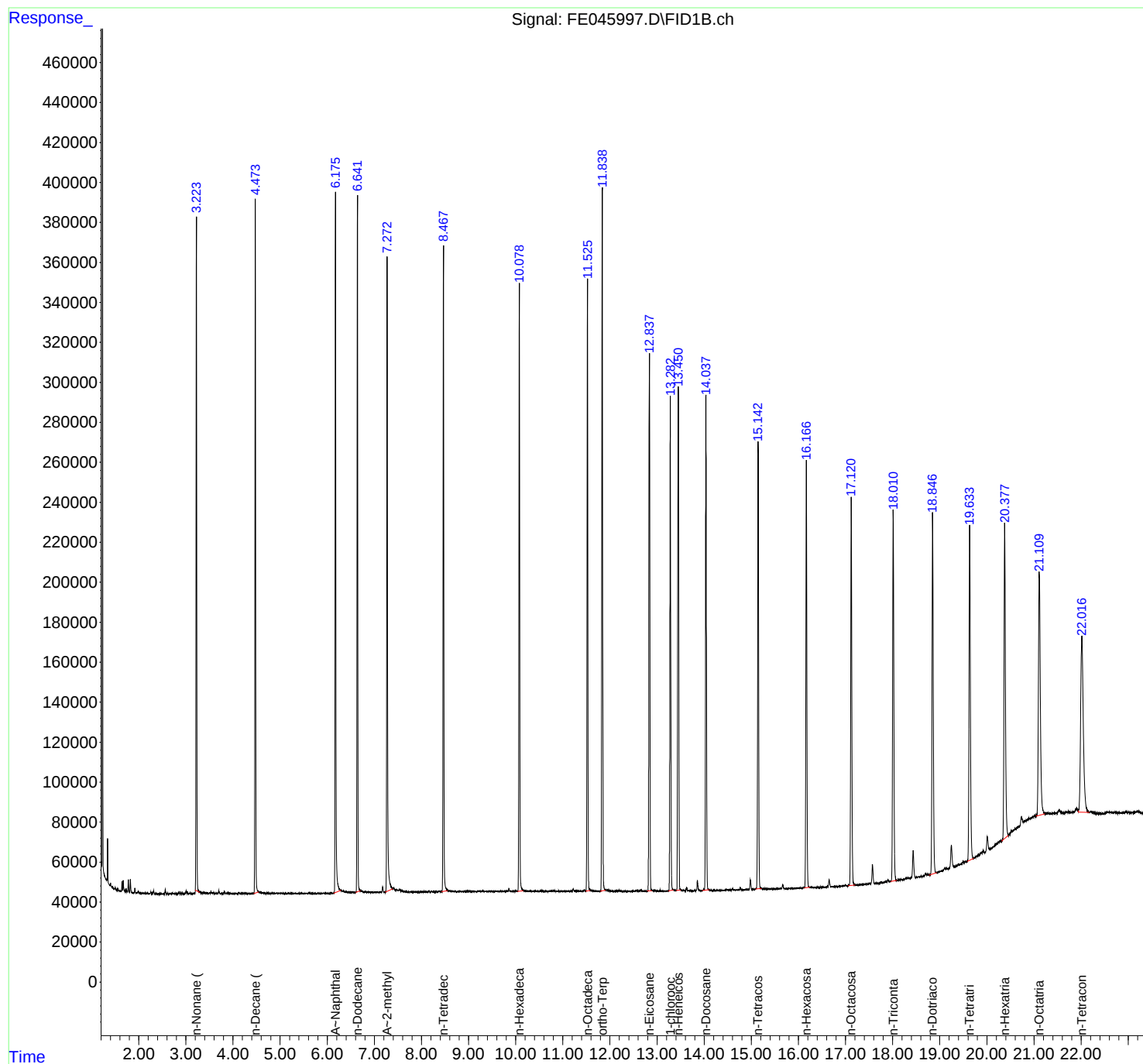
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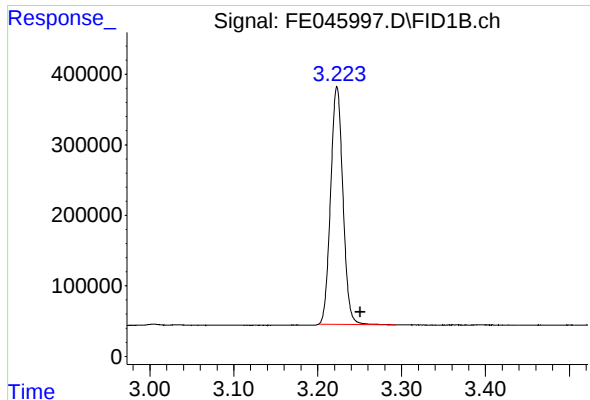
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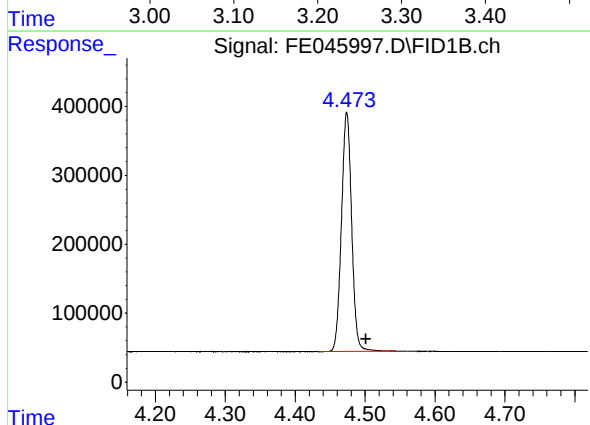
#1 n-Nonane (C9)

R.T.: 3.223 min
Delta R.T.: -0.028 min
Response: 3421971
Conc: 21.58 ug/ml

Instrument : FID_E
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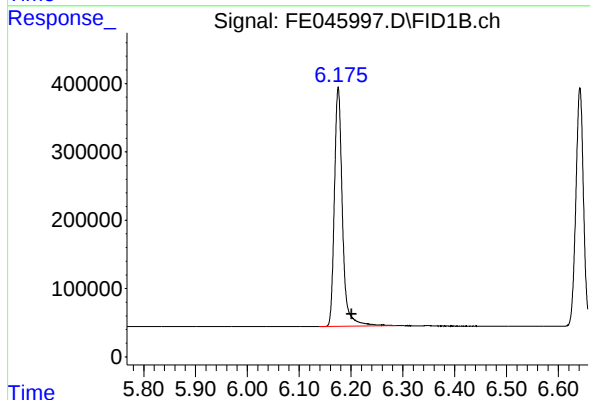
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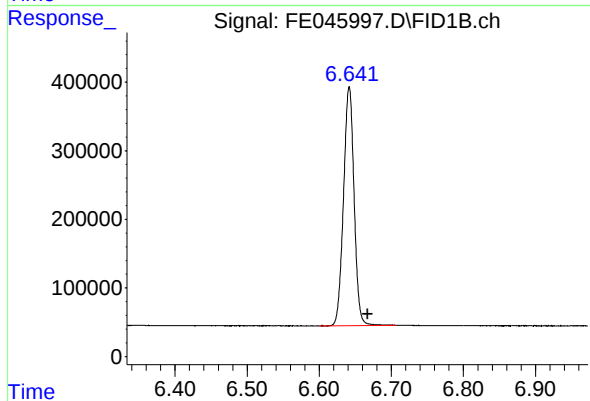
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.027 min
Response: 3517147
Conc: 21.96 ug/ml



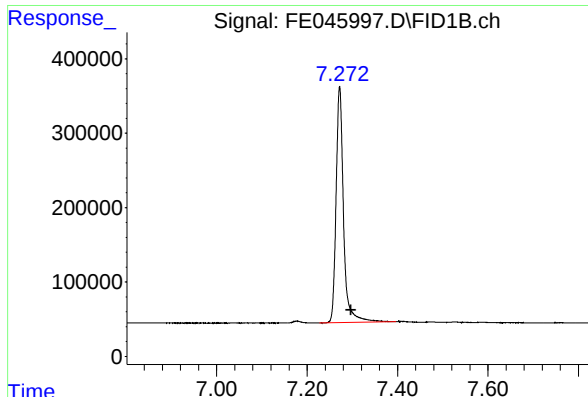
#3 A~Naphthalene (C11.7)

R.T.: 6.175 min
Delta R.T.: -0.026 min
Response: 3768671
Conc: 21.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.642 min
Delta R.T.: -0.025 min
Response: 3547760
Conc: 21.96 ug/ml



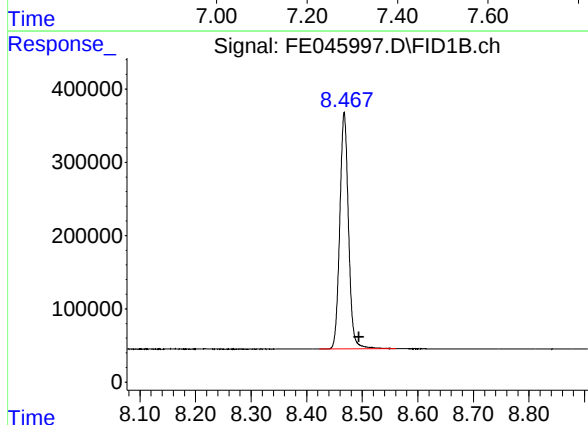
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.272 min
Delta R.T.: -0.025 min
Response: 3636576
Conc: 21.41 ug/ml

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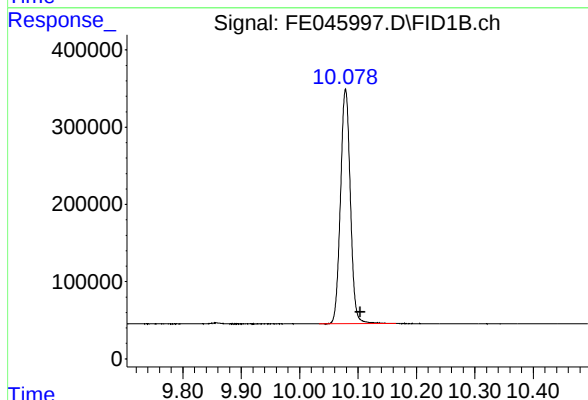
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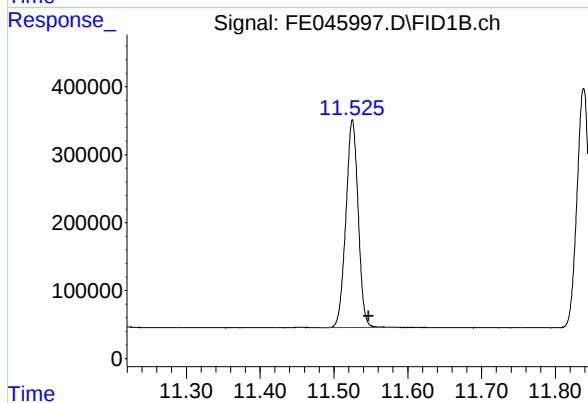
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: -0.027 min
Response: 3515628
Conc: 21.91 ug/ml



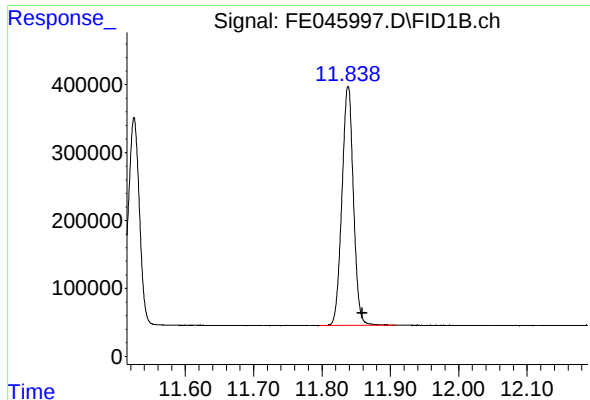
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.025 min
Response: 3562529
Conc: 21.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.022 min
Response: 3539046
Conc: 20.64 ug/ml



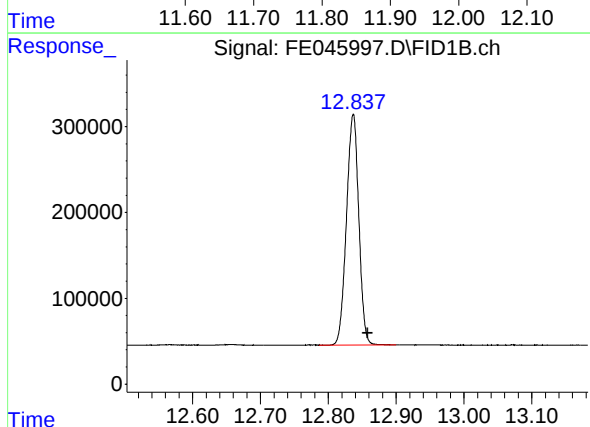
#9 ortho-Terphenyl (SURR)

R.T.: 11.838 min
Delta R.T.: -0.021 min
Response: 4115503
Conc: 19.68 ug/ml

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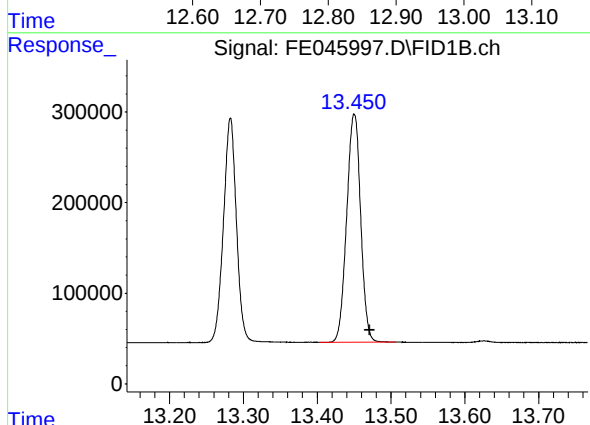
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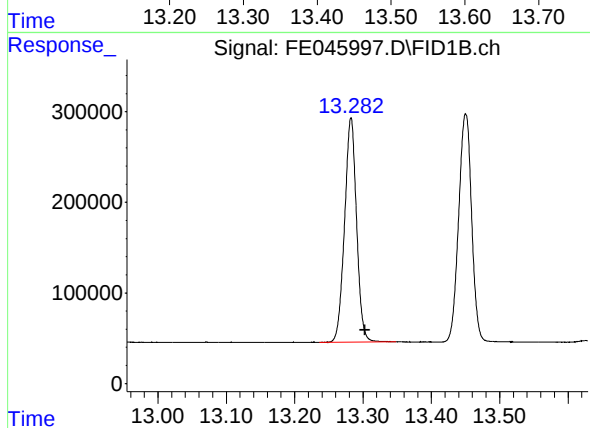
#10 n-Eicosane (C20)

R.T.: 12.837 min
Delta R.T.: -0.021 min
Response: 3396055
Conc: 19.63 ug/ml



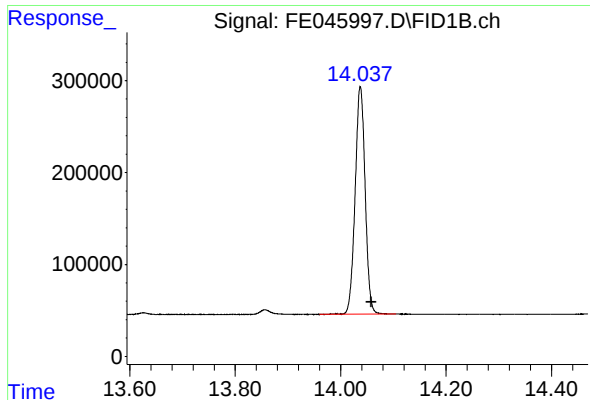
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: -0.021 min
Response: 3315292
Conc: 19.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: -0.020 min
Response: 3017869
Conc: 19.18 ug/ml



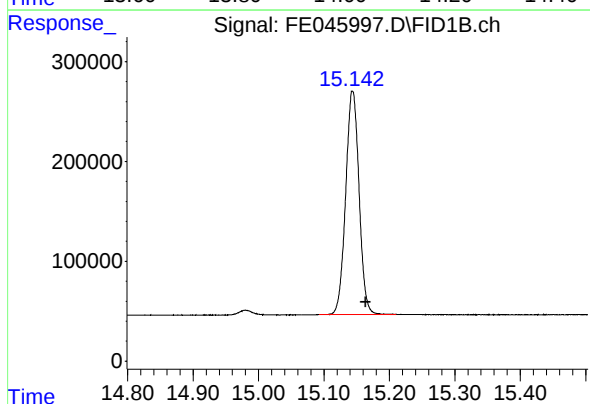
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: -0.021 min
Response: 3264039
Conc: 18.93 ug/ml

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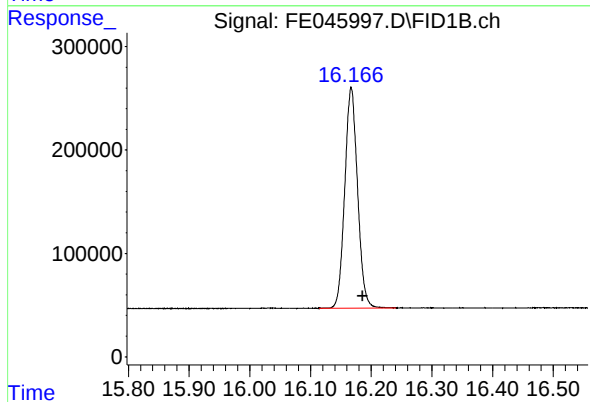
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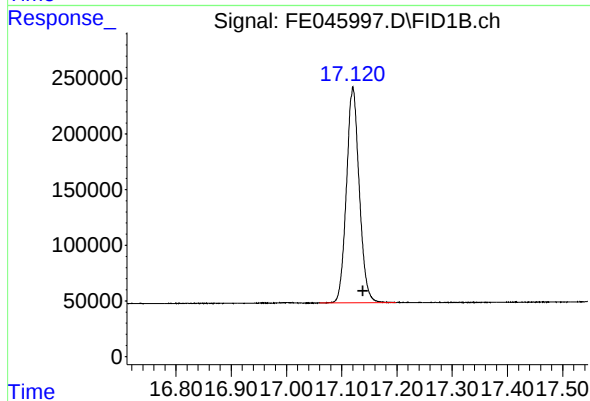
#14 n-Tetracosane (C24)

R.T.: 15.144 min
Delta R.T.: -0.020 min
Response: 3178636
Conc: 18.21 ug/ml



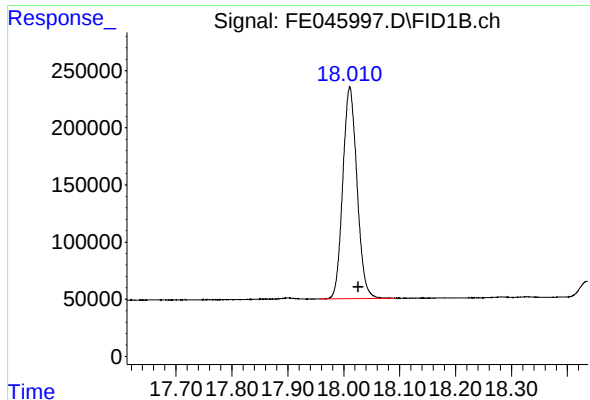
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.019 min
Response: 3121011
Conc: 17.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.018 min
Response: 3124179
Conc: 18.08 ug/ml



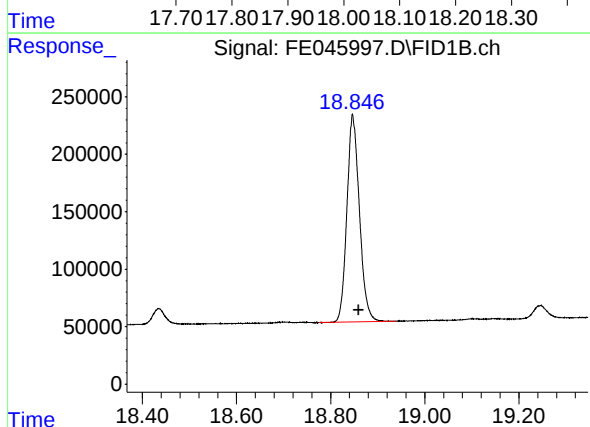
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.015 min
Response: 3274261
Conc: 18.72 ug/ml

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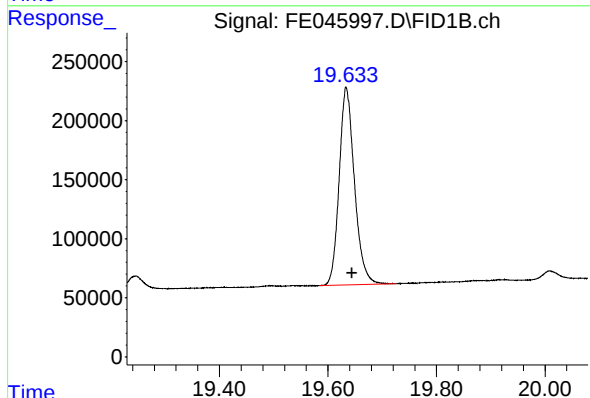
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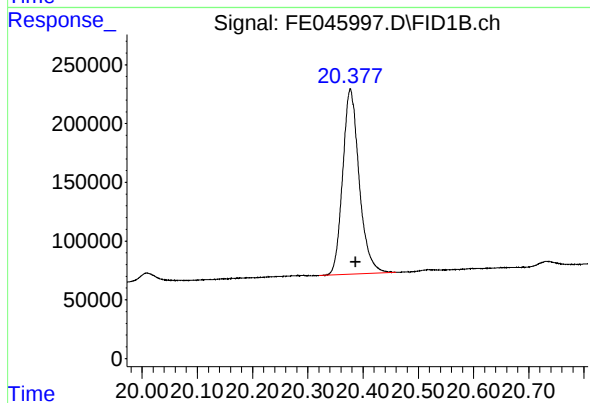
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: -0.013 min
Response: 3329084
Conc: 18.25 ug/ml



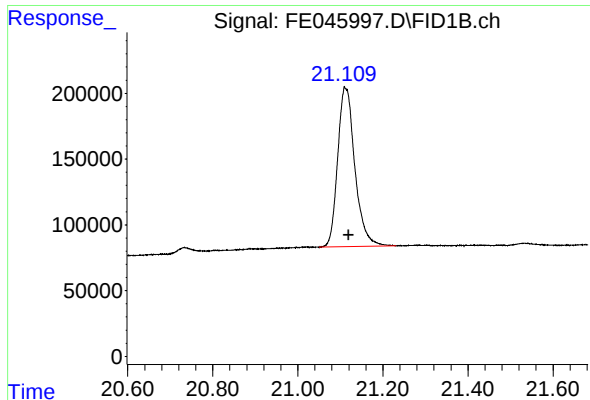
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: -0.011 min
Response: 3270530
Conc: 19.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.377 min
Delta R.T.: -0.009 min
Response: 3266512
Conc: 20.58 ug/ml



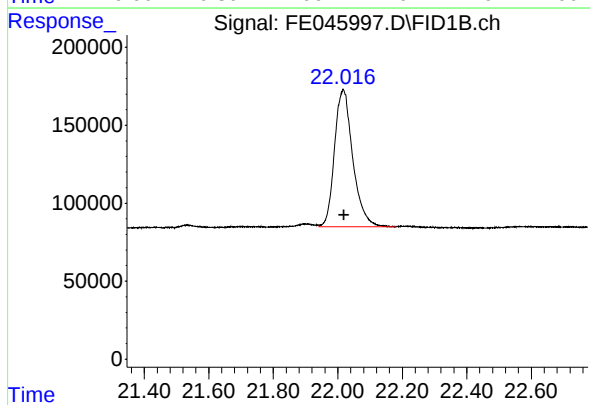
#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.010 min
Response: 3395776
Conc: 21.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.017 min
Delta R.T.: -0.003 min
Response: 3458522
Conc: 24.34 ug/ml