

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040125AL\
 Data File : FE053109.D
 Signal(s) : FID1B.ch
 Acq On : 01 Apr 2025 23:28
 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 04/02/2025
 Supervised By :mohammad ahmed 04/03/2025

Integration File: autoint1.e
 Quant Time: Apr 02 04:51:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.890	3338858	20.498 ug/ml
Spiked Amount 50.000		Recovery =	41.00%
12) S 1-chlorooctadecane (S...	13.335	2463407	20.521 ug/ml
Spiked Amount 50.000		Recovery =	41.04%
Target Compounds			
1) T n-Nonane (C9)	3.238	3168188	20.461 ug/ml
2) T n-Decane (C10)	4.499	3244135	20.682 ug/ml
3) T A~Naphthalene (C11.7)	6.210	3449884	20.536 ug/ml
4) T n-Dodecane (C12)	6.678	3222914	20.607 ug/ml
5) T A~2-methylnaphthalene...	7.312	3290539	20.623 ug/ml
6) T n-Tetradecane (C14)	8.514	3153518	20.596 ug/ml
7) T n-Hexadecane (C16)	10.127	3208042	20.812 ug/ml
8) T n-Octadecane (C18)	11.575	3164785	20.867 ug/ml
10) T n-Eicosane (C20)	12.889	2985321	20.938 ug/ml
11) T n-Heneicosane (C21)	13.503	2903517	20.923 ug/ml
13) T n-Docosane (C22)	14.091	2874746	20.990 ug/ml
14) T n-Tetracosane (C24)	15.197	2872316	21.267 ug/ml
15) T n-Hexacosane (C26)	16.220	2831822	21.227 ug/ml
16) T n-Octacosane (C28)	17.172	2885998	21.869 ug/ml
17) T n-Tricontane (C30)	18.061	3181155	23.470 ug/ml
18) T n-Dotriacontane (C32)	18.895	3320131	24.673 ug/mlm
19) T n-Tetratriacontane (C34)	19.680	3214648	24.843 ug/ml
20) T n-Hexatriacontane (C36)	20.423	2934338	24.702 ug/ml
21) T n-Octatriacontane (C38)	21.161	2719139	23.658 ug/ml
22) T n-Tetracontane (C40)	22.073	2565675	22.844 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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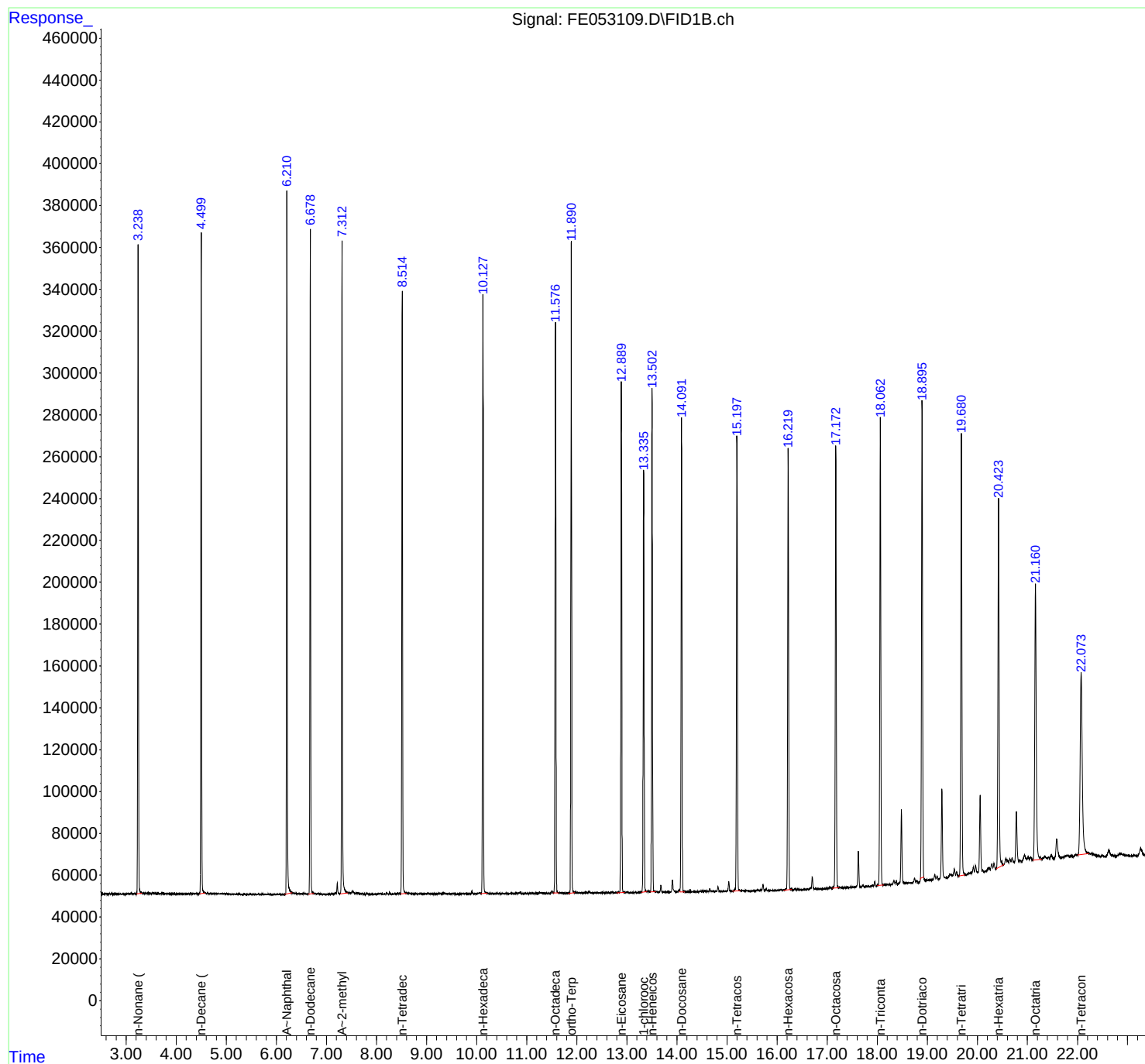
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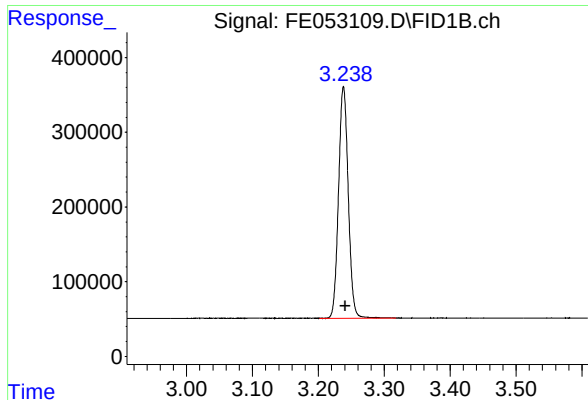
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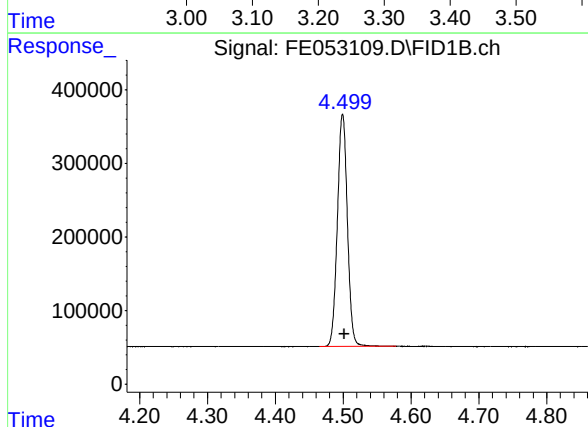
#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: -0.003 min
Response: 3168188
Conc: 20.46 ug/ml

Instrument : FID_E
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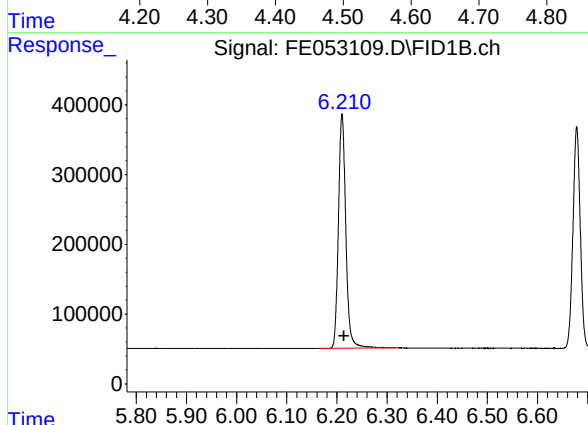
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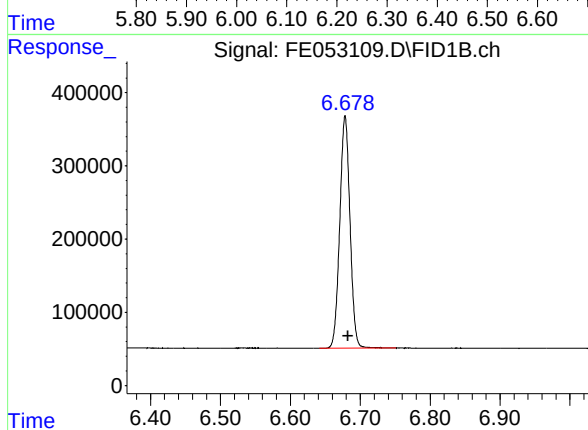
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.003 min
Response: 3244135
Conc: 20.68 ug/ml



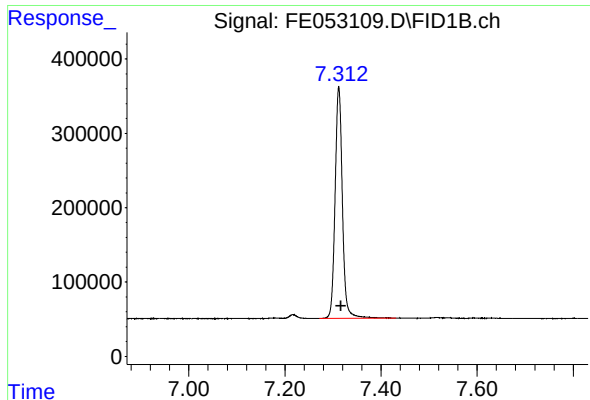
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.004 min
Response: 3449884
Conc: 20.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.678 min
Delta R.T.: -0.004 min
Response: 3222914
Conc: 20.61 ug/ml



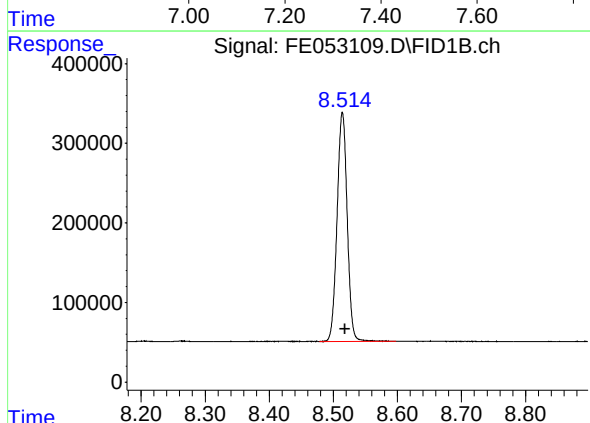
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.004 min
Response: 3290539
Conc: 20.62 ug/ml

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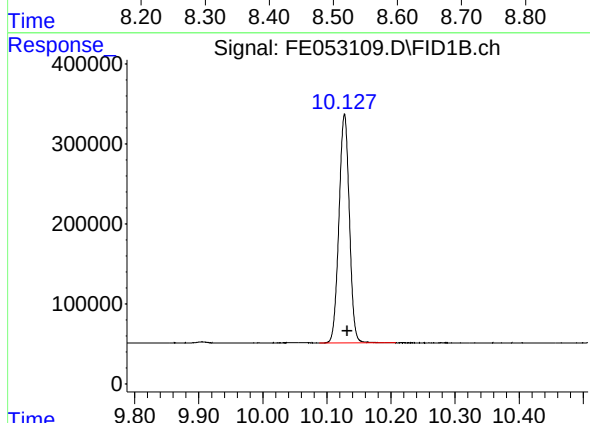
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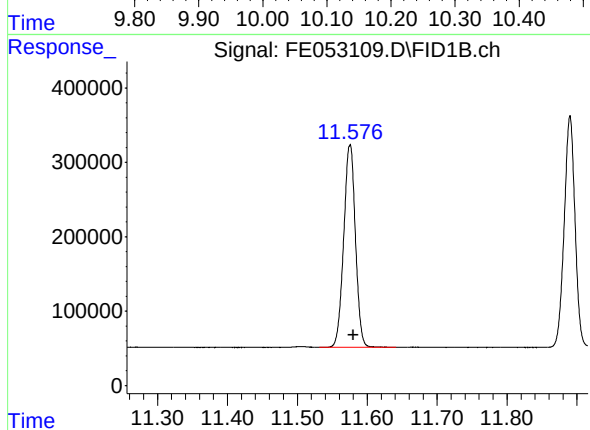
#6 n-Tetradecane (C14)

R.T.: 8.514 min
Delta R.T.: -0.004 min
Response: 3153518
Conc: 20.60 ug/ml



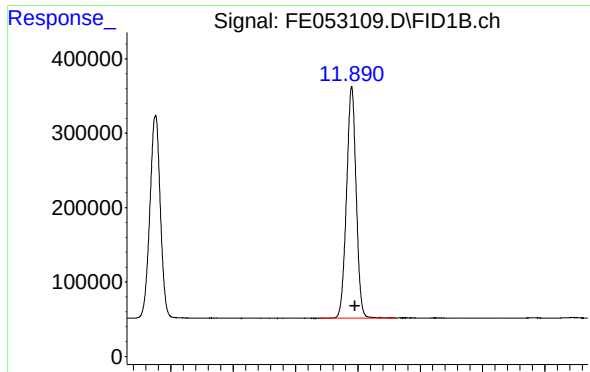
#7 n-Hexadecane (C16)

R.T.: 10.127 min
Delta R.T.: -0.004 min
Response: 3208042
Conc: 20.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.575 min
Delta R.T.: -0.005 min
Response: 3164785
Conc: 20.87 ug/ml



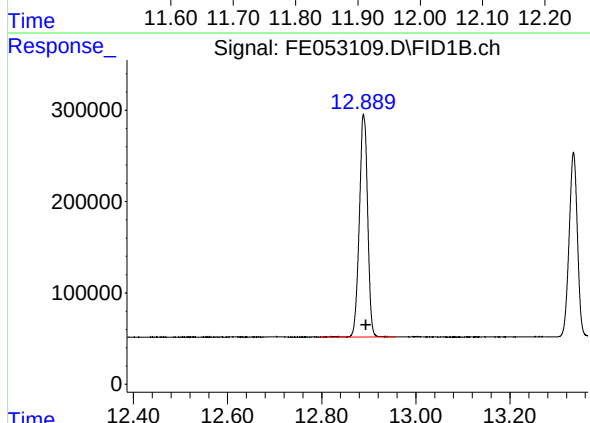
#9 ortho-Terphenyl (SURR)

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 3338858
Conc: 20.50 ug/ml

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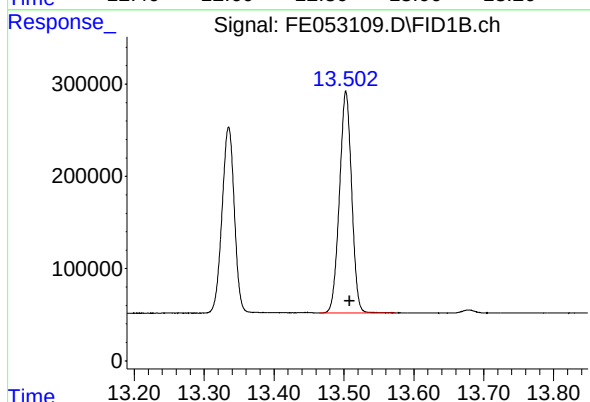
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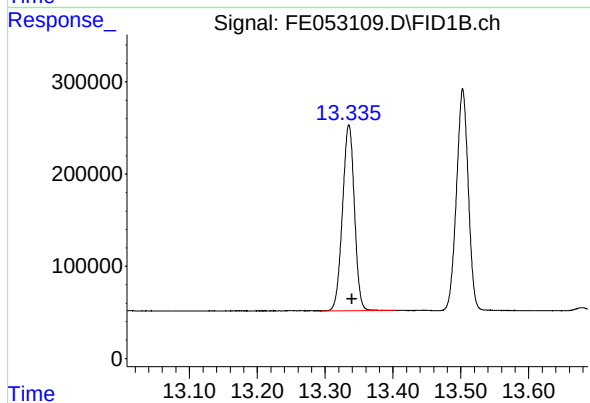
#10 n-Eicosane (C20)

R.T.: 12.889 min
Delta R.T.: -0.005 min
Response: 2985321
Conc: 20.94 ug/ml



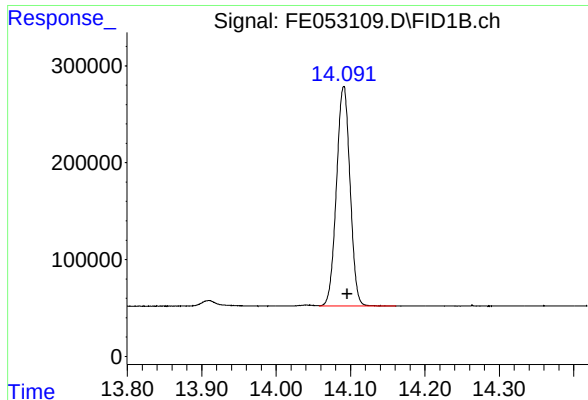
#11 n-Heneicosane (C21)

R.T.: 13.503 min
Delta R.T.: -0.005 min
Response: 2903517
Conc: 20.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.335 min
Delta R.T.: -0.005 min
Response: 2463407
Conc: 20.52 ug/ml



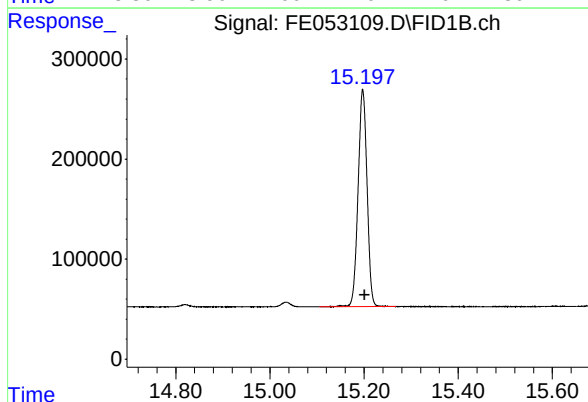
#13 n-Docosane (C22)

R.T.: 14.091 min
Delta R.T.: -0.005 min
Response: 2874746
Conc: 20.99 ug/ml

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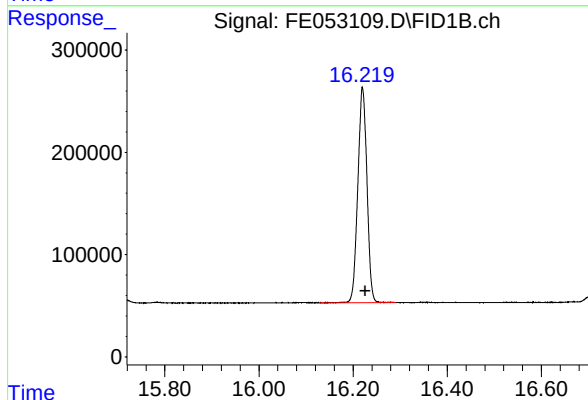
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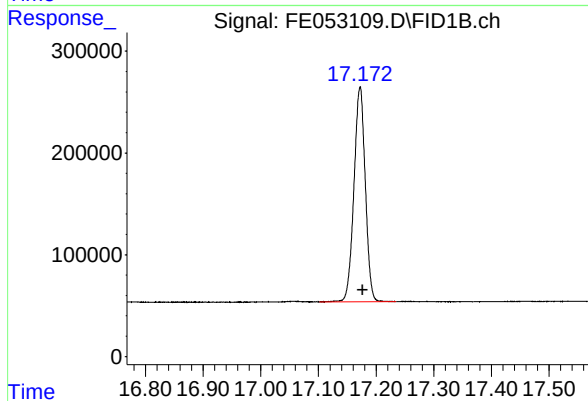
#14 n-Tetracosane (C24)

R.T.: 15.197 min
Delta R.T.: -0.004 min
Response: 2872316
Conc: 21.27 ug/ml



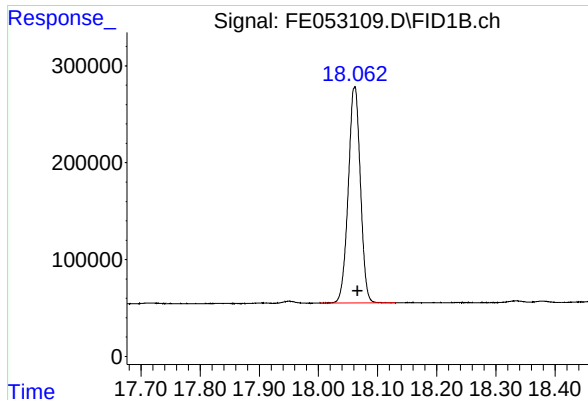
#15 n-Hexacosane (C26)

R.T.: 16.220 min
Delta R.T.: -0.005 min
Response: 2831822
Conc: 21.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.172 min
Delta R.T.: -0.005 min
Response: 2885998
Conc: 21.87 ug/ml



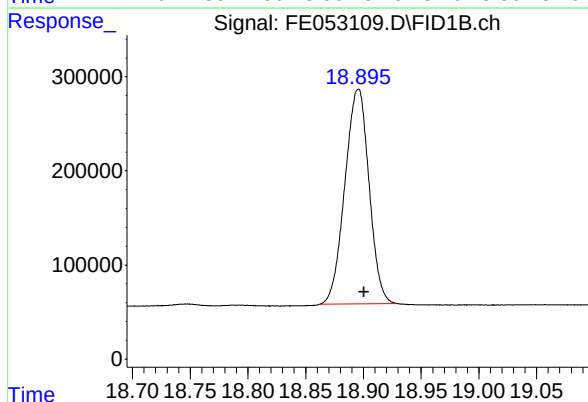
#17 n-Tricontane (C30)

R.T.: 18.061 min
Delta R.T.: -0.005 min
Response: 3181155
Conc: 23.47 ug/ml

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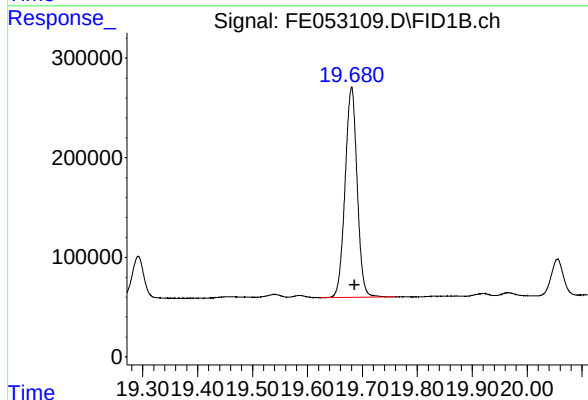
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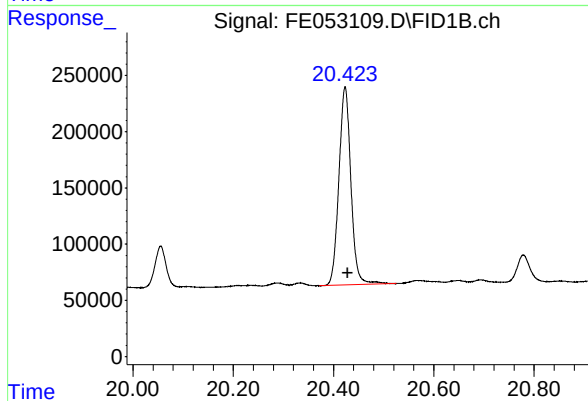
#18 n-Dotriacontane (C32)

R.T.: 18.895 min
Delta R.T.: -0.005 min
Response: 3320131
Conc: 24.67 ug/ml



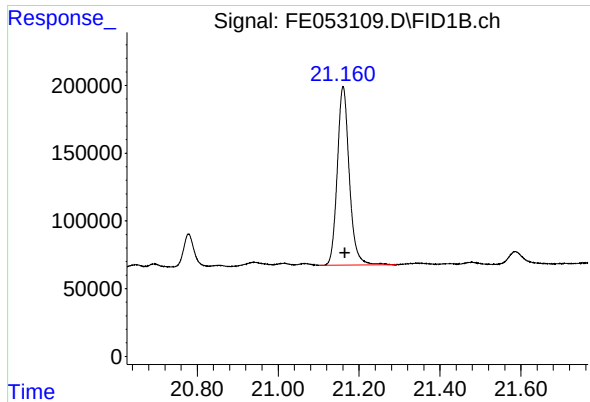
#19 n-Tetratriacontane (C34)

R.T.: 19.680 min
Delta R.T.: -0.006 min
Response: 3214648
Conc: 24.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.423 min
Delta R.T.: -0.005 min
Response: 2934338
Conc: 24.70 ug/ml



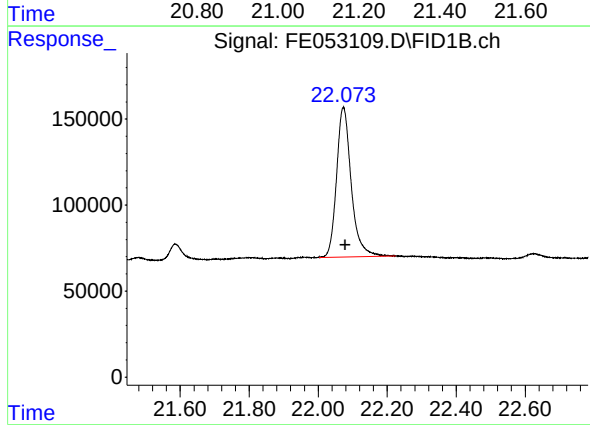
#21 n-Octatriacontane (C38)

R.T.: 21.161 min
Delta R.T.: -0.005 min
Response: 2719139
Conc: 23.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.073 min
Delta R.T.: -0.005 min
Response: 2565675
Conc: 22.84 ug/ml m