

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061423AL\
 Data File : FE042599.D
 Signal(s) : FID1B.ch
 Acq On : 14 Jun 2023 06:59
 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 06/15/2023
 Supervised By :Ankita Jodhani 06/15/2023

Integration File: autoint1.e
 Quant Time: Jun 15 01:24:29 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.941	3462489	19.609 ug/ml
Spiked Amount 50.000		Recovery =	39.22%
12) S 1-chlorooctadecane (S...	13.378	2556356	19.238 ug/ml
Spiked Amount 50.000		Recovery =	38.48%
Target Compounds			
1) T n-Nonane (C9)	3.320	2870043	19.904 ug/ml
2) T n-Decane (C10)	4.571	3050427	20.606 ug/ml
3) T A~Naphthalene (C11.7)	6.280	3288291	20.154 ug/ml
4) T n-Dodecane (C12)	6.740	3090478	20.609 ug/ml
5) T A~2-methylnaphthalene...	7.377	3164461	19.940 ug/ml
6) T n-Tetradecane (C14)	8.570	3068858	20.485 ug/ml
7) T n-Hexadecane (C16)	10.177	3180535	20.418 ug/ml
8) T n-Octadecane (C18)	11.620	3186236	20.149 ug/ml
10) T n-Eicosane (C20)	12.931	3005502	19.827 ug/ml
11) T n-Heneicosane (C21)	13.543	2908732	19.633 ug/ml
13) T n-Docosane (C22)	14.129	2844549	19.404 ug/ml
14) T n-Tetracosane (C24)	15.233	2769434	19.185 ug/ml
15) T n-Hexacosane (C26)	16.255	2706770	19.544 ug/ml
16) T n-Octacosane (C28)	17.204	2729944	20.390 ug/ml
17) T n-Tricontane (C30)	18.093	3048903	22.586 ug/ml
18) T n-Dotriacontane (C32)	18.926	3152678	23.600 ug/ml
19) T n-Tetratriacontane (C34)	19.710	3030090	23.041 ug/ml
20) T n-Hexatriacontane (C36)	20.451	2920871	22.473 ug/mlm
21) T n-Octatriacontane (C38)	21.197	2958060	21.803 ug/mlm
22) T n-Tetracontane (C40)	22.127	2974100	21.378 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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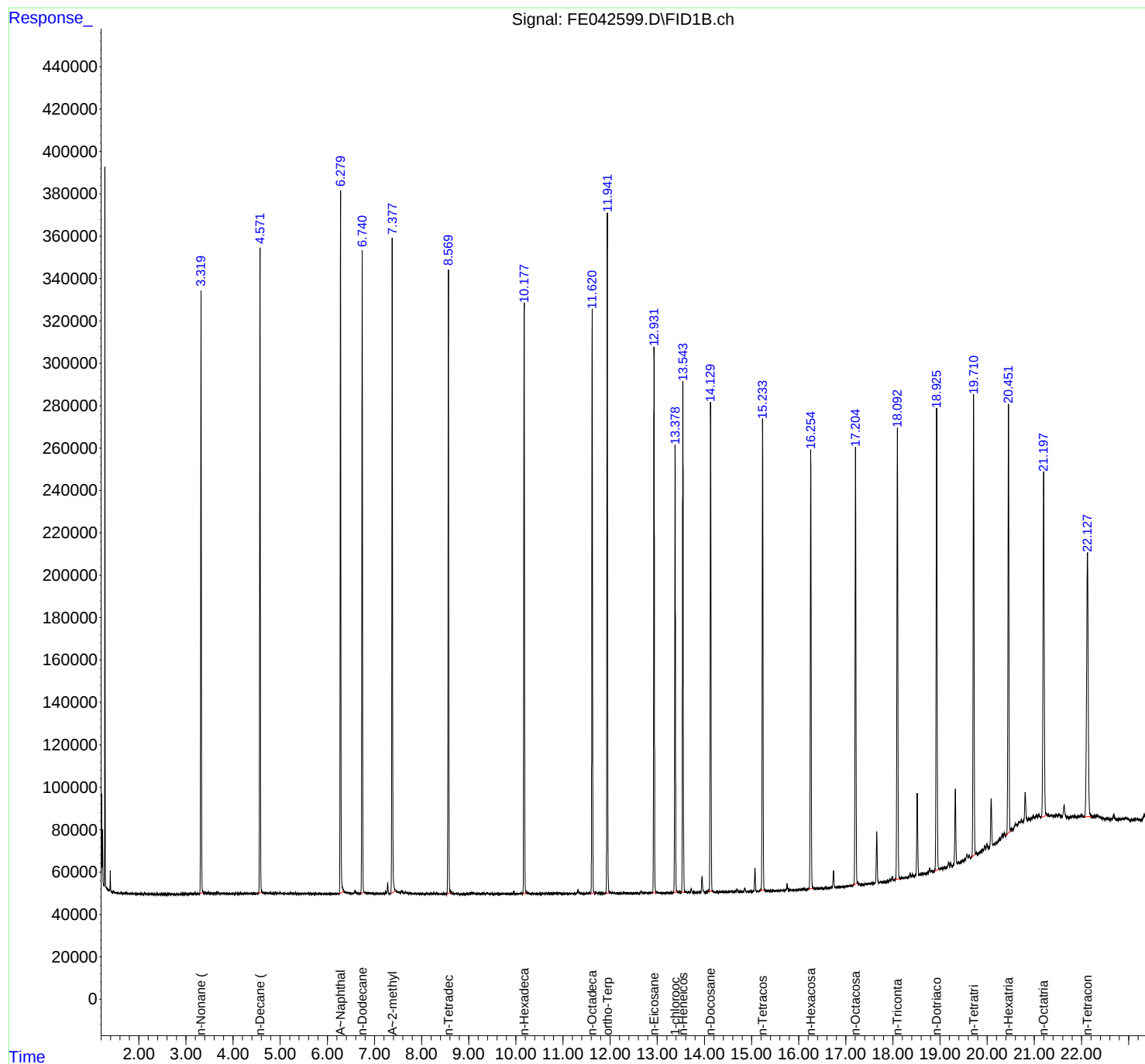
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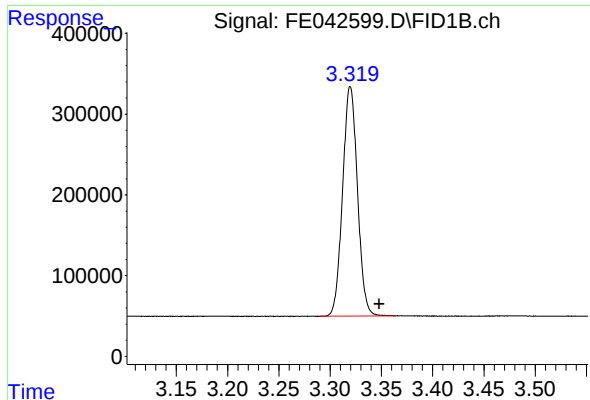
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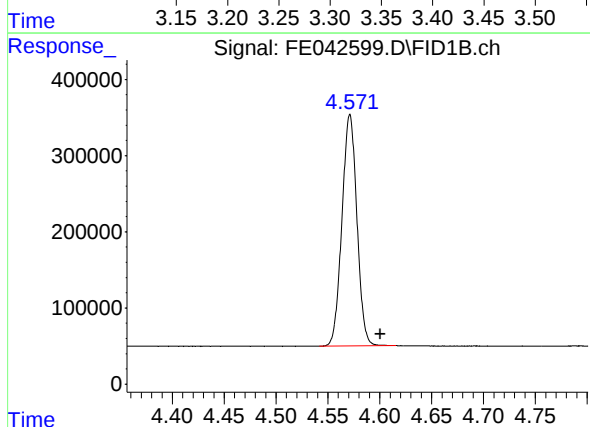
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.028 min
Response: 2870043
Conc: 19.90 ug/ml

Instrument : FID_E
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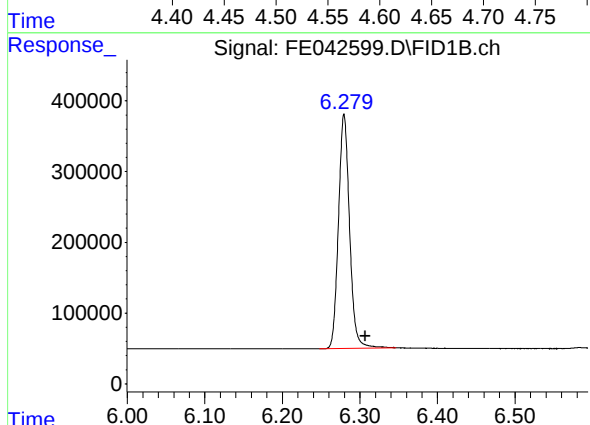
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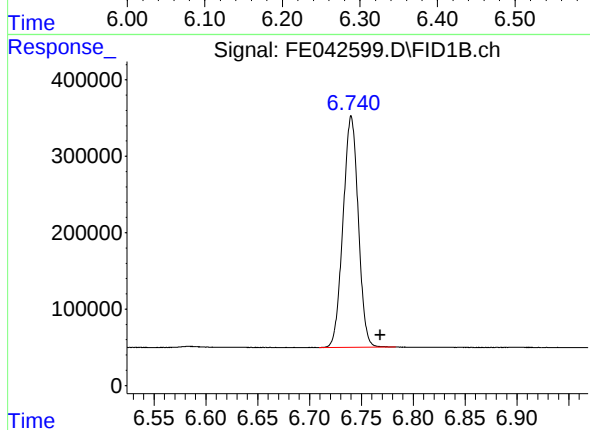
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.029 min
Response: 3050427
Conc: 20.61 ug/ml



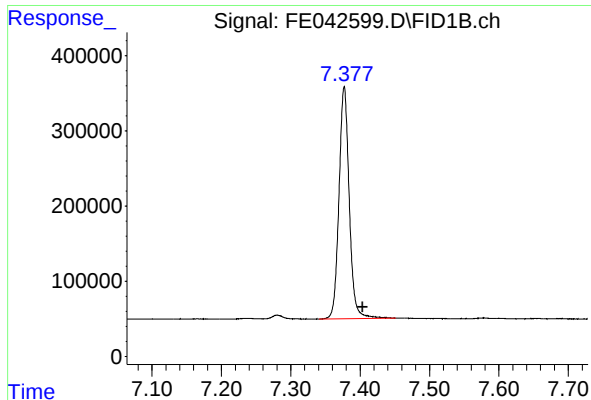
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: -0.027 min
Response: 3288291
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.740 min
Delta R.T.: -0.028 min
Response: 3090478
Conc: 20.61 ug/ml



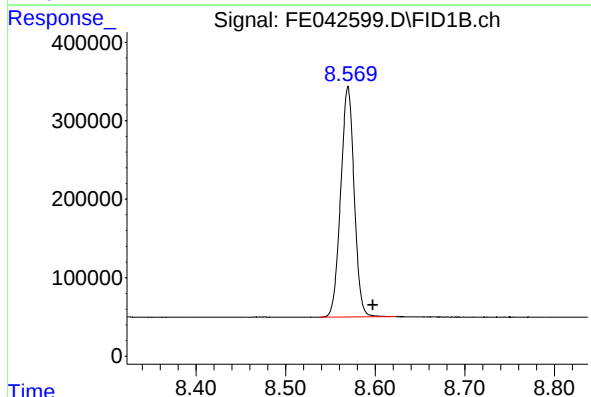
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: -0.027 min
Response: 3164461
Conc: 19.94 ug/ml

Instrument : FID_E
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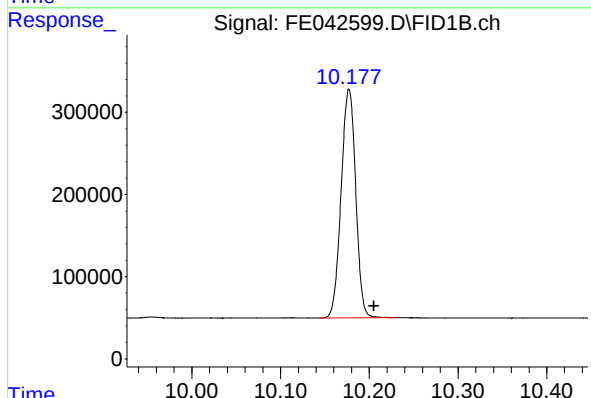
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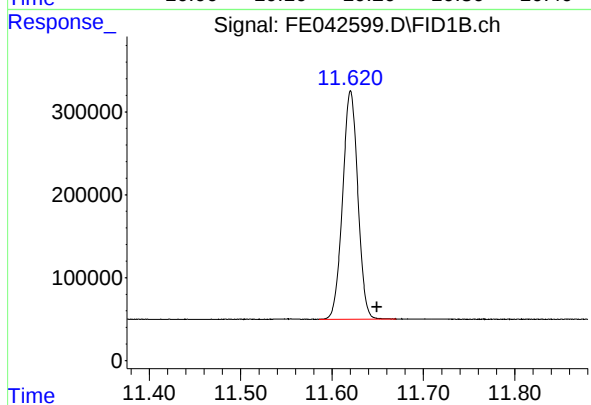
#6 n-Tetradecane (C14)

R.T.: 8.570 min
Delta R.T.: -0.028 min
Response: 3068858
Conc: 20.49 ug/ml



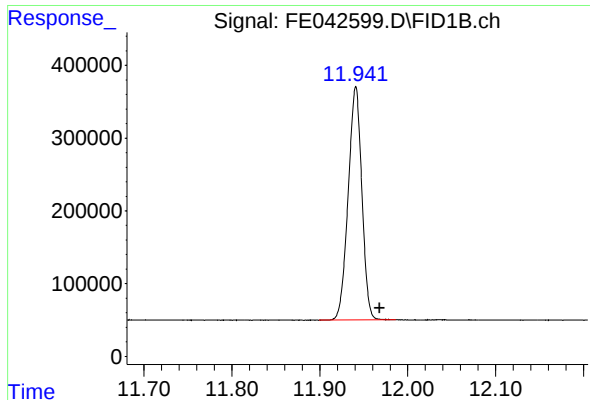
#7 n-Hexadecane (C16)

R.T.: 10.177 min
Delta R.T.: -0.028 min
Response: 3180535
Conc: 20.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.029 min
Response: 3186236
Conc: 20.15 ug/ml



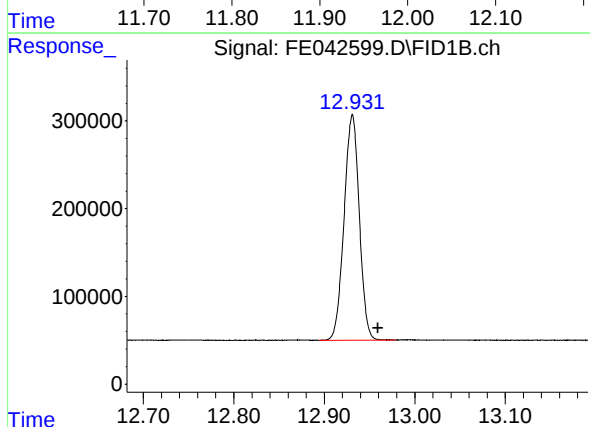
#9 ortho-Terphenyl (SURR)

R.T.: 11.941 min
Delta R.T.: -0.027 min
Response: 3462489
Conc: 19.61 ug/ml

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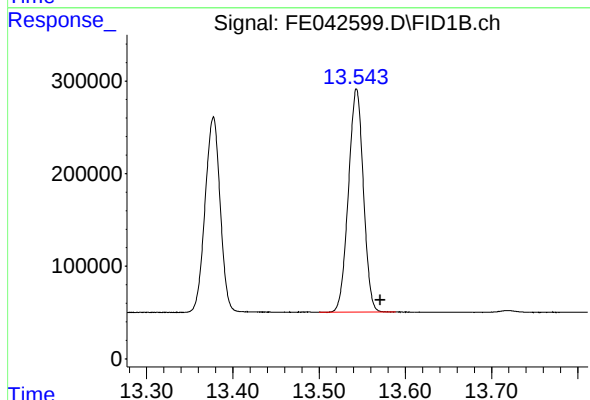
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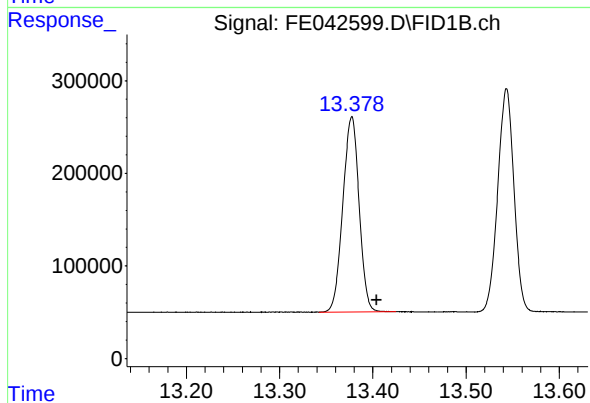
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: -0.028 min
Response: 3005502
Conc: 19.83 ug/ml



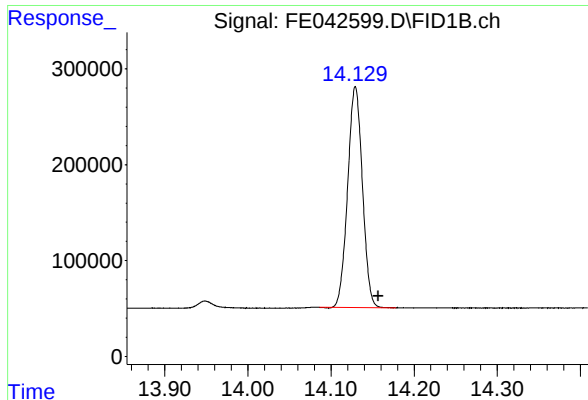
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: -0.027 min
Response: 2908732
Conc: 19.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: -0.027 min
Response: 2556356
Conc: 19.24 ug/ml



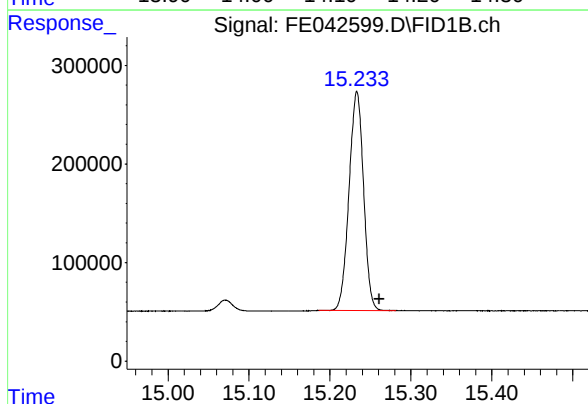
#13 n-Docosane (C22)

R.T.: 14.129 min
Delta R.T.: -0.028 min
Response: 2844549
Conc: 19.40 ug/ml

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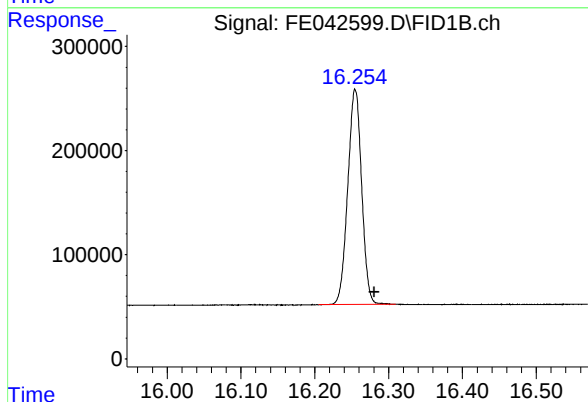
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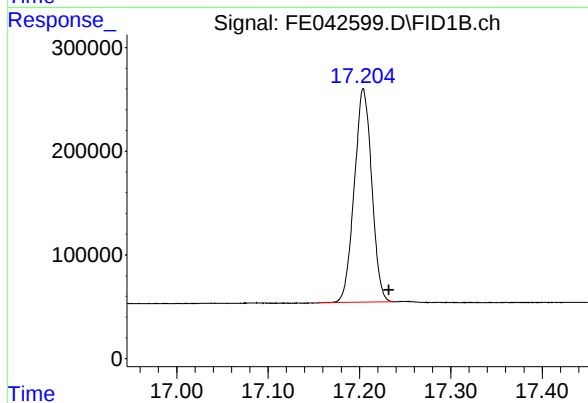
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: -0.027 min
Response: 2769434
Conc: 19.18 ug/ml



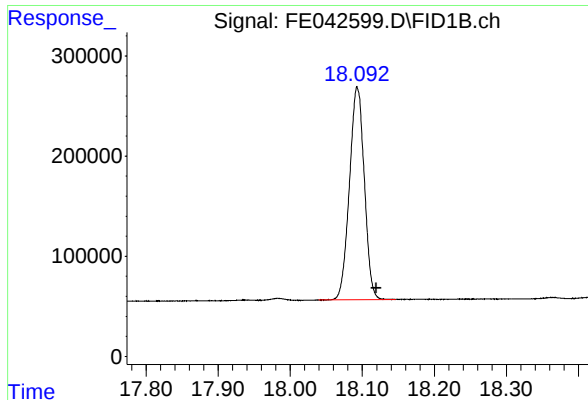
#15 n-Hexacosane (C26)

R.T.: 16.255 min
Delta R.T.: -0.026 min
Response: 2706770
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min
Delta R.T.: -0.028 min
Response: 2729944
Conc: 20.39 ug/ml



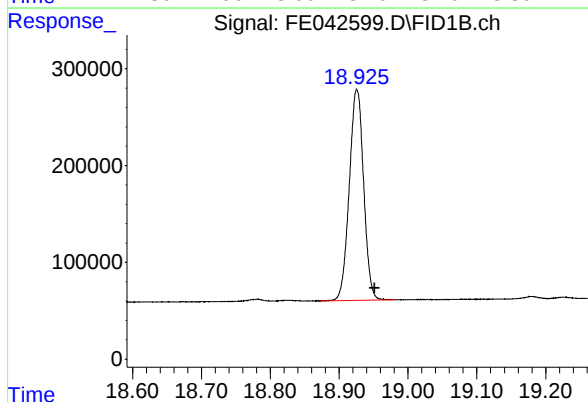
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.027 min
Response: 3048903
Conc: 22.59 ug/ml

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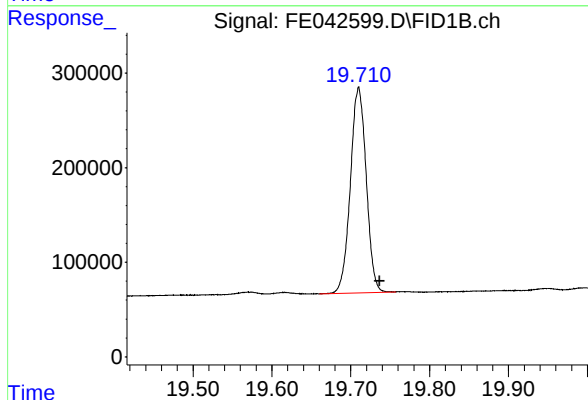
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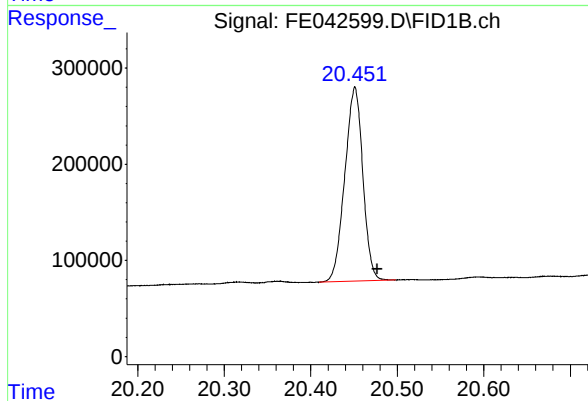
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.026 min
Response: 3152678
Conc: 23.60 ug/ml



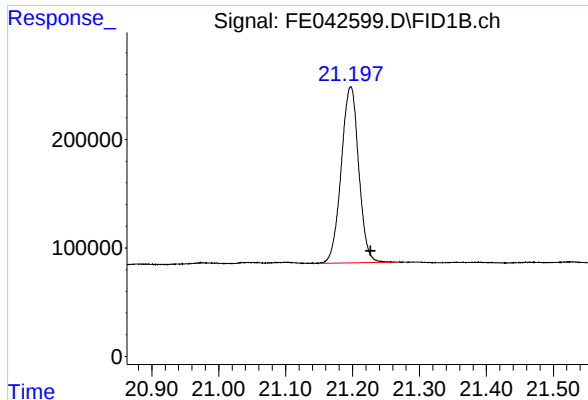
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.027 min
Response: 3030090
Conc: 23.04 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.026 min
Response: 2920871
Conc: 22.47 ug/ml m



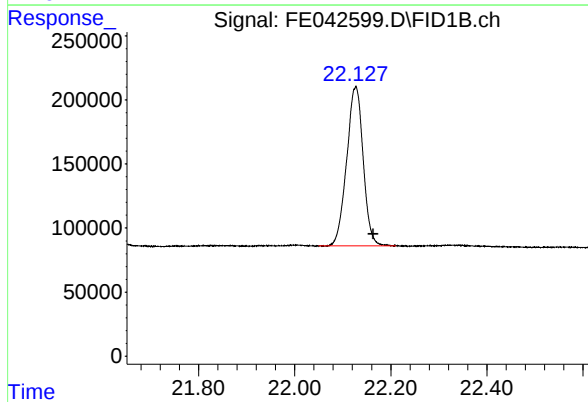
#21 n-Octatriacontane (C38)

R.T.: 21.197 min
Delta R.T.: -0.030 min
Response: 2958060
Conc: 21.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.127 min
Delta R.T.: -0.036 min
Response: 2974100
Conc: 21.38 ug/ml