

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021324AL\
 Data File : FE046762.D
 Signal(s) : FID1B.ch
 Acq On : 13 Feb 2024 23:08
 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 02/14/2024
 Supervised By :Ankita Jodhani 02/14/2024

Integration File: sample.E
 Quant Time: Feb 13 23:50:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 012524.M
 Quant Title : GC Extractables
 Qlast Update : Thu Jan 25 14:56:03 2024
 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)	11.805	3326877	17.992 ug/ml
Spiked Amount 50.000		Recovery =	35.98%
12) S 1-chlorooctadecane (S...	13.247	2529158	17.776 ug/ml
Spiked Amount 50.000		Recovery =	35.55%
Target Compounds			
1) T n-Nonane (C9)	3.193	3119422	19.312 ug/mlm
2) T n-Decane (C10)	4.445	3223304	19.668 ug/ml
3) T A~Naphthalene (C11.7)	6.150	3313113	19.375 ug/ml
4) T n-Dodecane (C12)	6.613	3264128	19.733 ug/ml
5) T A~2-methylnaphthalene...	7.247	3037784	19.047 ug/ml
6) T n-Tetradecane (C14)	8.439	3199570	19.522 ug/ml
7) T n-Hexadecane (C16)	10.048	3245580	18.993 ug/ml
8) T n-Octadecane (C18)	11.491	3249177	18.637 ug/ml
10) T n-Eicosane (C20)	12.801	3068878	18.075 ug/ml
11) T n-Heneicosane (C21)	13.414	2994560	17.954 ug/ml
13) T n-Docosane (C22)	14.001	2971267	17.935 ug/ml
14) T n-Tetracosane (C24)	15.105	3013014	18.260 ug/ml
15) T n-Hexacosane (C26)	16.127	2982119	18.476 ug/ml
16) T n-Octacosane (C28)	17.078	3004554	19.140 ug/ml
17) T n-Tricontane (C30)	17.965	3154046	20.137 ug/ml
18) T n-Dotriacontane (C32)	18.800	3076521	20.353 ug/ml
19) T n-Tetratriacontane (C34)	19.587	2936510	20.704 ug/mlm
20) T n-Hexatriacontane (C36)	20.326	2794364	20.272 ug/mlm
21) T n-Octatriacontane (C38)	21.053	2806156	21.890 ug/ml
22) T n-Tetracontane (C40)	21.933	2804112	22.426 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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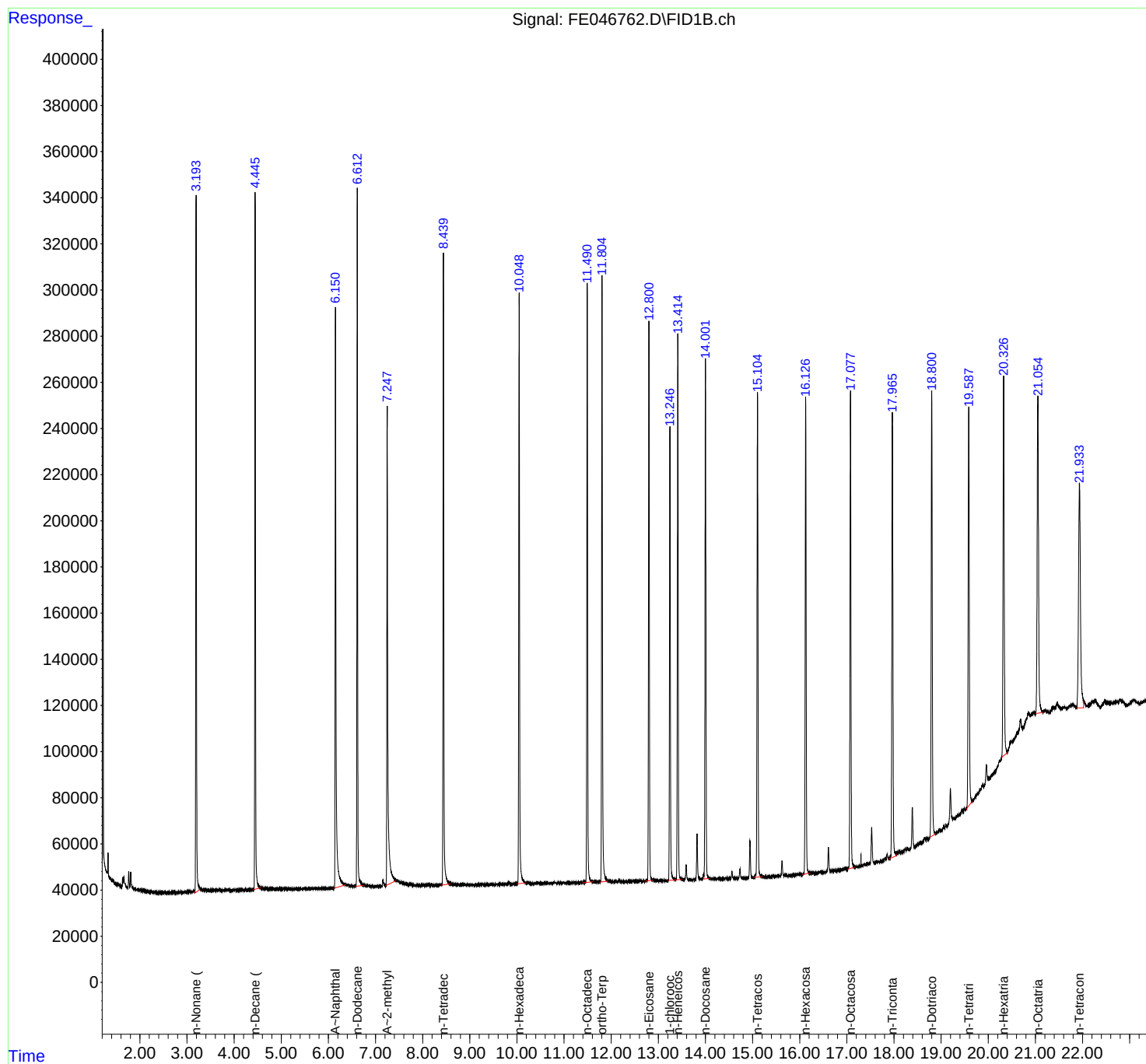
Instrument :
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20 PPM ALIPHATIC HC STD

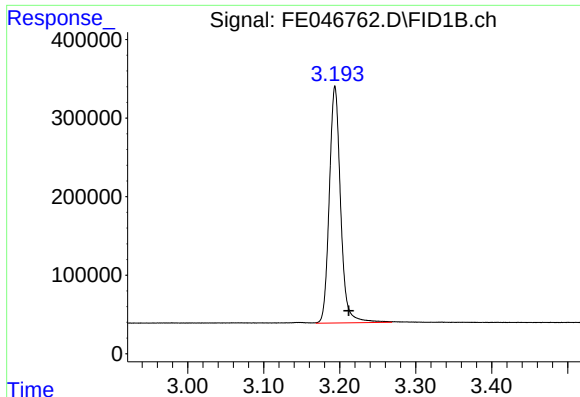
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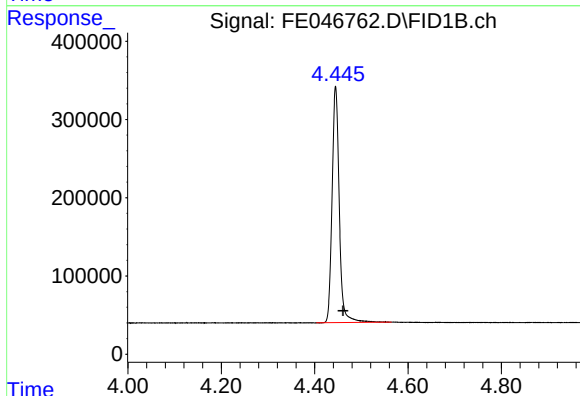
#1 n-Nonane (C9)

R.T.: 3.193 min
Delta R.T.: -0.019 min
Response: 3119422
Conc: 19.31 ug/ml

Instrument :
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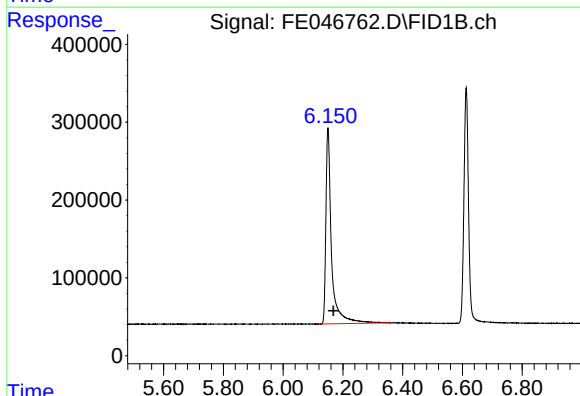
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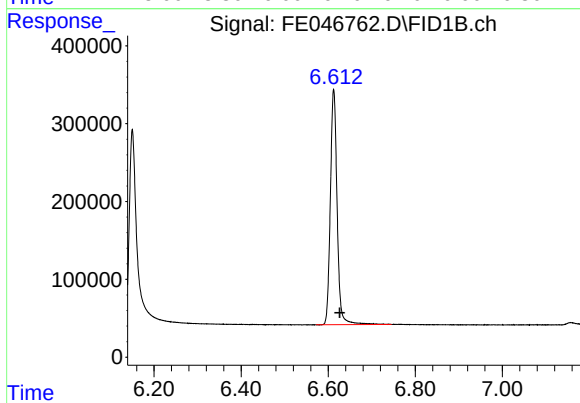
#2 n-Decane (C10)

R.T.: 4.445 min
Delta R.T.: -0.016 min
Response: 3223304
Conc: 19.67 ug/ml



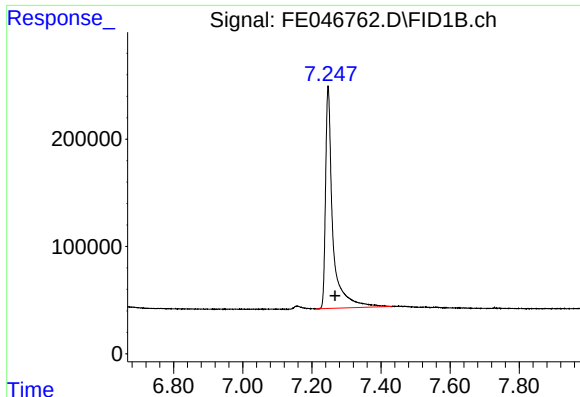
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.018 min
Response: 3313113
Conc: 19.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.613 min
Delta R.T.: -0.014 min
Response: 3264128
Conc: 19.73 ug/ml



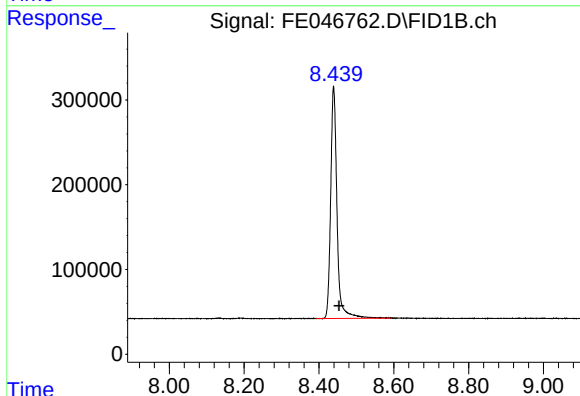
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.247 min
Delta R.T.: -0.020 min
Response: 3037784
Conc: 19.05 ug/ml

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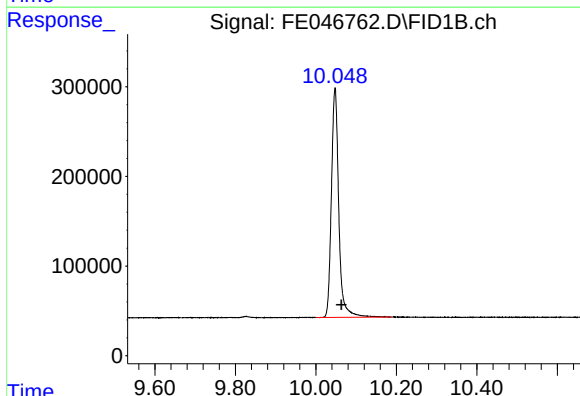
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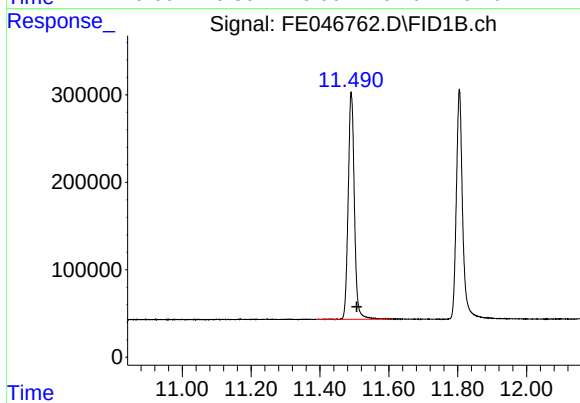
#6 n-Tetradecane (C14)

R.T.: 8.439 min
Delta R.T.: -0.015 min
Response: 3199570
Conc: 19.52 ug/ml



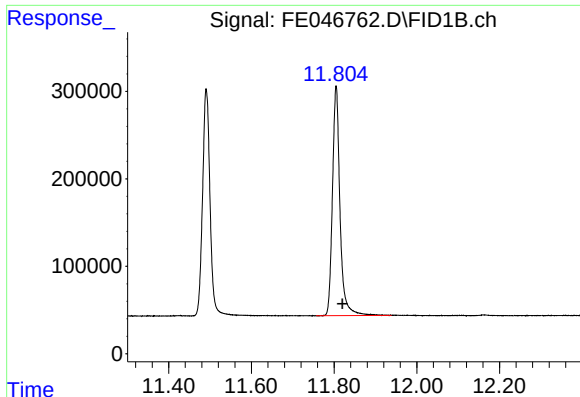
#7 n-Hexadecane (C16)

R.T.: 10.048 min
Delta R.T.: -0.016 min
Response: 3245580
Conc: 18.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.491 min
Delta R.T.: -0.016 min
Response: 3249177
Conc: 18.64 ug/ml



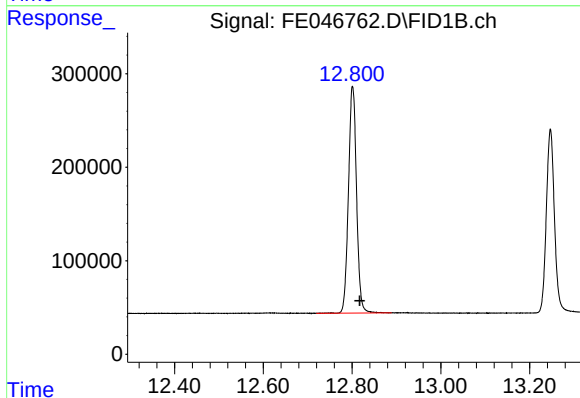
#9 ortho-Terphenyl (SURR)

R.T.: 11.805 min
Delta R.T.: -0.015 min
Response: 3326877
Conc: 17.99 ug/ml

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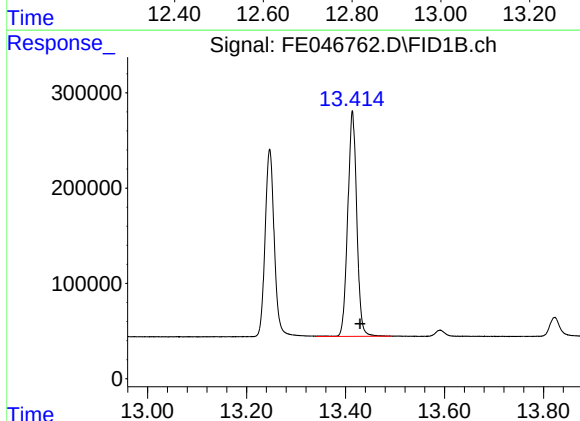
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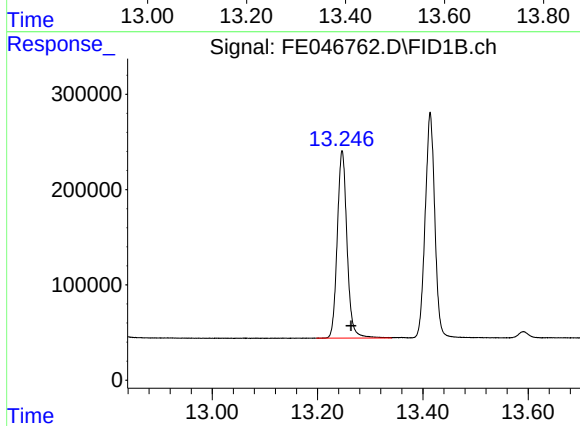
#10 n-Eicosane (C20)

R.T.: 12.801 min
Delta R.T.: -0.016 min
Response: 3068878
Conc: 18.07 ug/ml



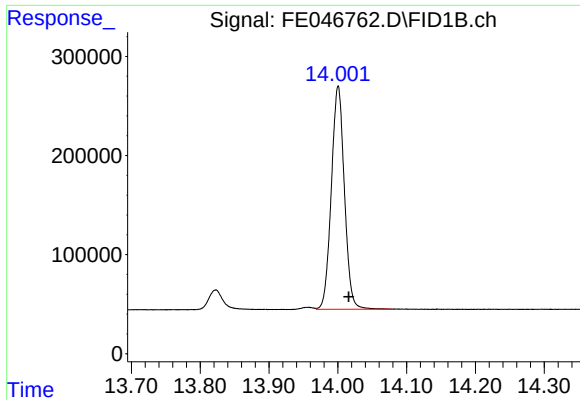
#11 n-Heneicosane (C21)

R.T.: 13.414 min
Delta R.T.: -0.015 min
Response: 2994560
Conc: 17.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.247 min
Delta R.T.: -0.017 min
Response: 2529158
Conc: 17.78 ug/ml



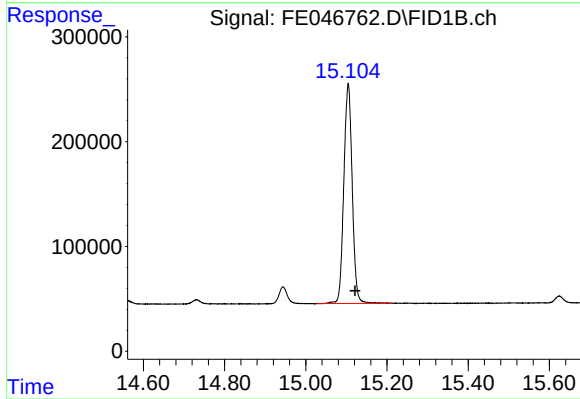
#13 n-Docosane (C22)

R.T.: 14.001 min
Delta R.T.: -0.015 min
Response: 2971267
Conc: 17.94 ug/ml

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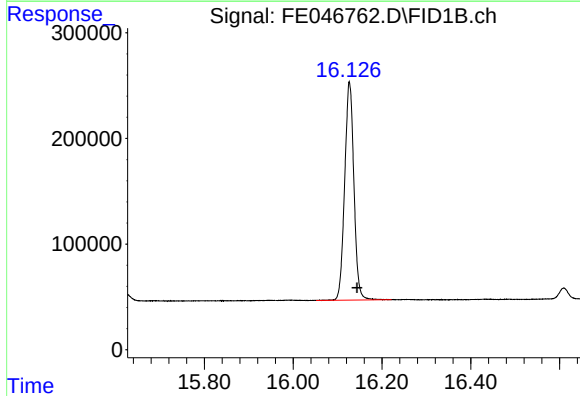
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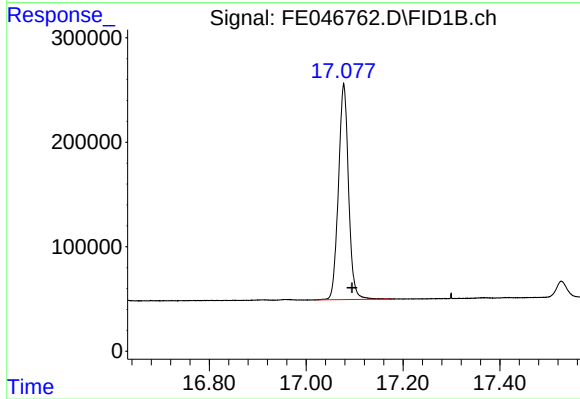
#14 n-Tetracosane (C24)

R.T.: 15.105 min
Delta R.T.: -0.016 min
Response: 3013014
Conc: 18.26 ug/ml



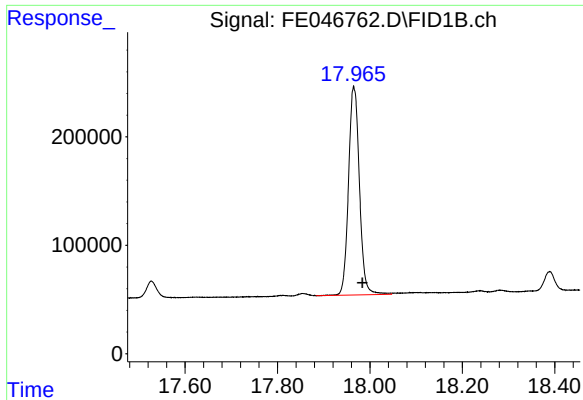
#15 n-Hexacosane (C26)

R.T.: 16.127 min
Delta R.T.: -0.017 min
Response: 2982119
Conc: 18.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.078 min
Delta R.T.: -0.017 min
Response: 3004554
Conc: 19.14 ug/ml



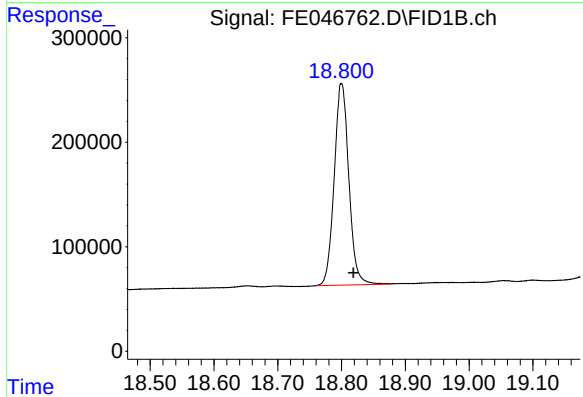
#17 n-Tricontane (C30)

R.T.: 17.965 min
Delta R.T.: -0.018 min
Response: 3154046
Conc: 20.14 ug/ml

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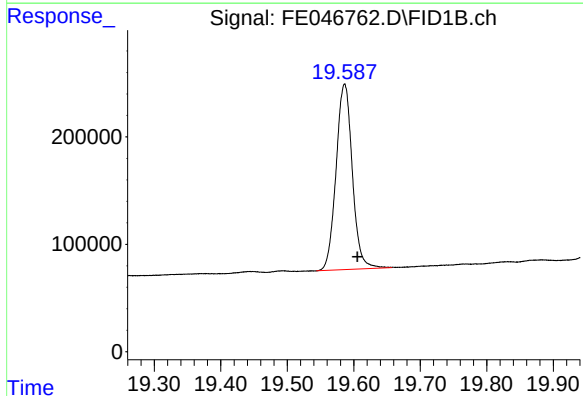
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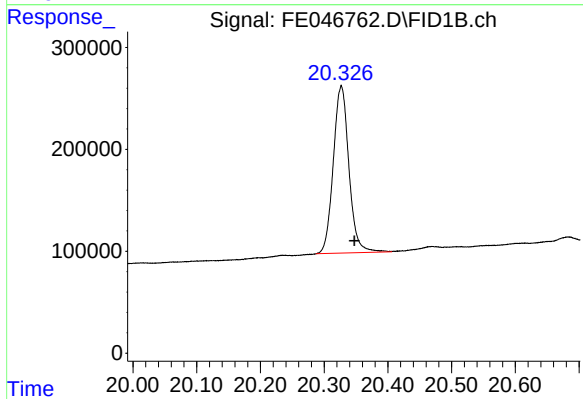
#18 n-Dotriacontane (C32)

R.T.: 18.800 min
Delta R.T.: -0.019 min
Response: 3076521
Conc: 20.35 ug/ml



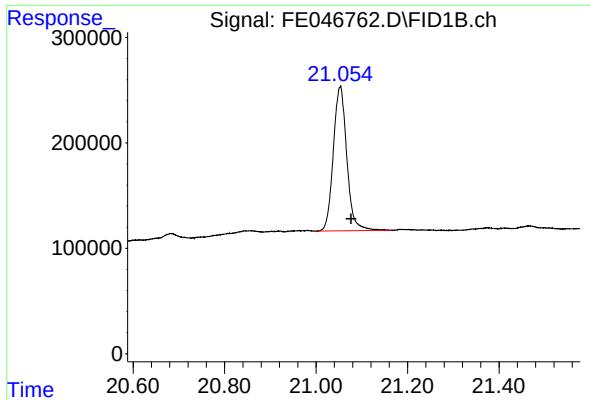
#19 n-Tetratriacontane (C34)

R.T.: 19.587 min
Delta R.T.: -0.019 min
Response: 2936510
Conc: 20.70 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.326 min
Delta R.T.: -0.021 min
Response: 2794364
Conc: 20.27 ug/ml m



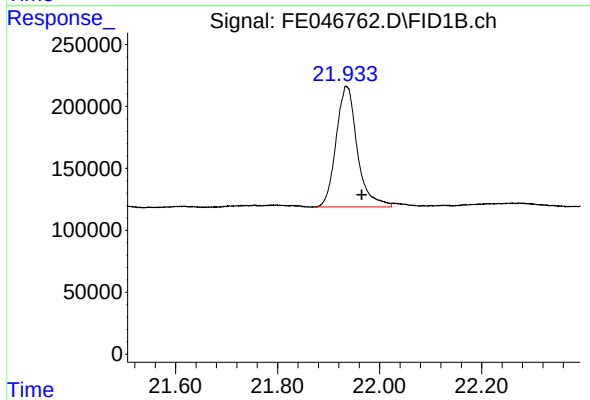
#21 n-Octatriacontane (C38)

R.T.: 21.053 min
Delta R.T.: -0.024 min
Response: 2806156
Conc: 21.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.933 min
Delta R.T.: -0.032 min
Response: 2804112
Conc: 22.43 ug/ml m