

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020125AL\
 Data File : FF015413.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 12:29
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: sample.E
 Quant Time: Jan 31 23:21:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 15:33:37 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)	11.931	3116865	19.604 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.369	2389343	19.166 ug/ml
Spiked Amount 50.000		Recovery =	38.33%
Target Compounds			
1) T n-Nonane (C9)	3.315	2694928	20.530 ug/ml
2) T n-Decane (C10)	4.570	2771588	20.720 ug/ml
3) T A~Naphthalene (C11.7)	6.272	2998211	20.615 ug/ml
4) T n-Dodecane (C12)	6.734	2834350	21.019 ug/ml
5) T A~2-methylnaphthalene...	7.367	2904493	20.641 ug/ml
6) T n-Tetradecane (C14)	8.561	2845471	21.060 ug/ml
7) T n-Hexadecane (C16)	10.168	2958665	20.880 ug/ml
8) T n-Octadecane (C18)	11.613	2978836	20.341 ug/ml
10) T n-Eicosane (C20)	12.924	2835042	19.663 ug/ml
11) T n-Heneicosane (C21)	13.536	2764199	19.364 ug/ml
13) T n-Docosane (C22)	14.123	2717408	18.958 ug/mlm
14) T n-Tetracosane (C24)	15.229	2656331	18.312 ug/ml
15) T n-Hexacosane (C26)	16.251	2555236	17.981 ug/ml
16) T n-Octacosane (C28)	17.203	2544054	18.283 ug/ml
17) T n-Tricontane (C30)	18.092	2687620	19.298 ug/ml
18) T n-Dotriacontane (C32)	18.925	2644192	20.273 ug/mlm
19) T n-Tetratriacontane (C34)	19.711	2276644	20.943 ug/ml
20) T n-Hexatriacontane (C36)	20.453	1938055	22.035 ug/ml
21) T n-Octatriacontane (C38)	21.192	1807234	21.930 ug/ml
22) T n-Tetracontane (C40)	22.111	1846865	23.278 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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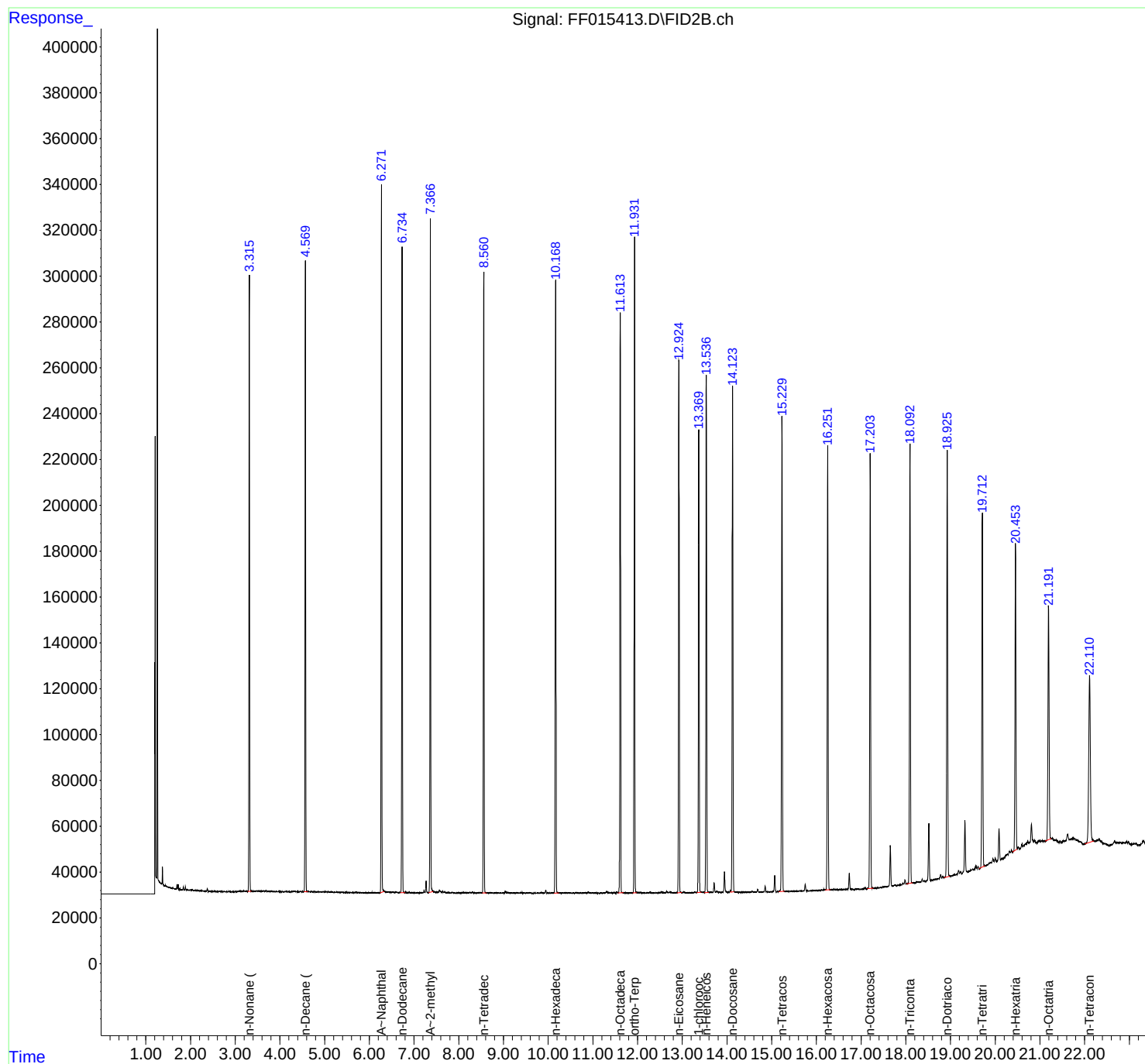
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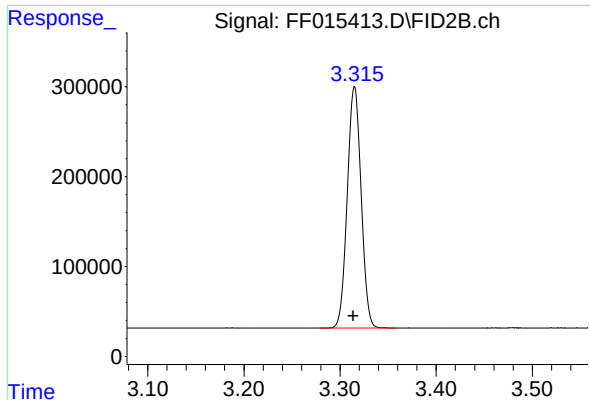
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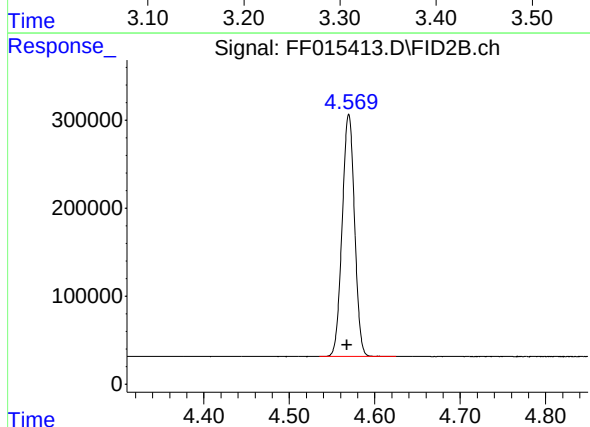
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: 0.001 min
Response: 2694928
Conc: 20.53 ug/ml

Instrument : FID_F
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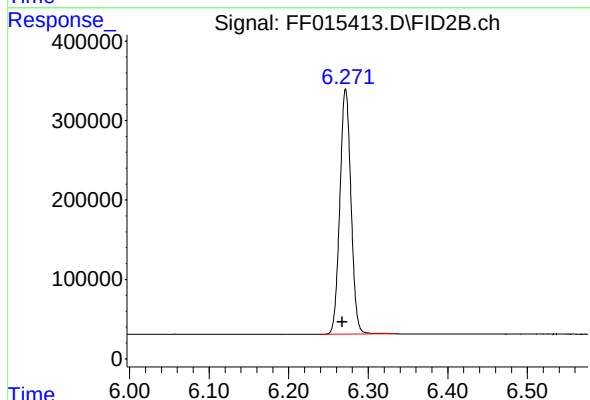
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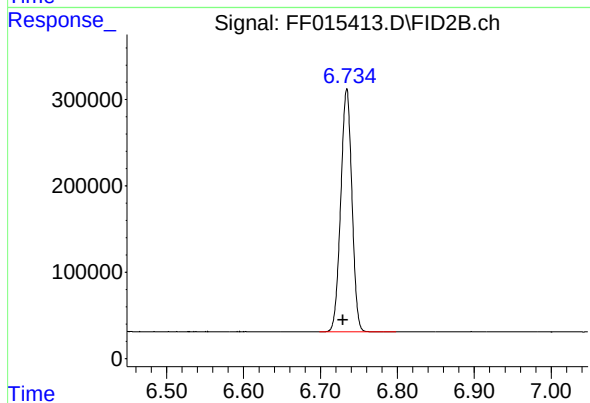
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: 0.002 min
Response: 2771588
Conc: 20.72 ug/ml



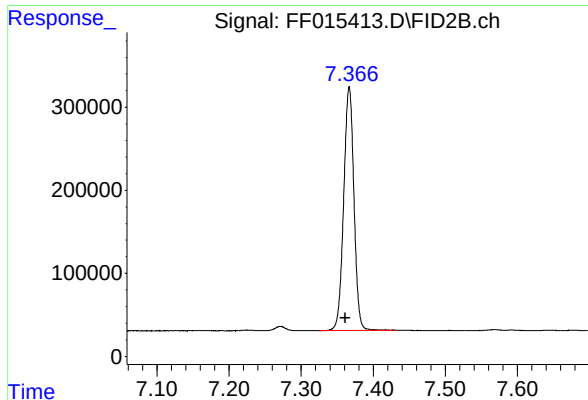
#3 A~Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: 0.004 min
Response: 2998211
Conc: 20.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: 0.005 min
Response: 2834350
Conc: 21.02 ug/ml



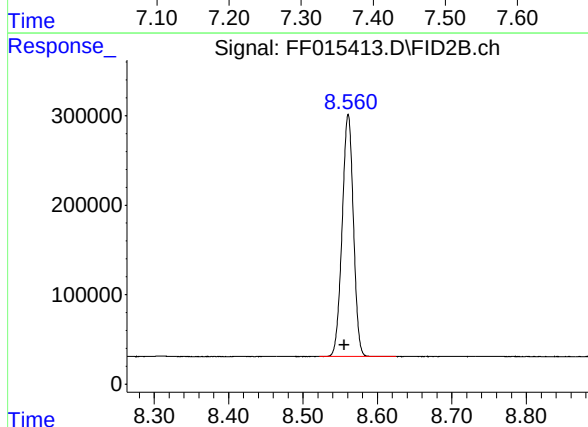
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.367 min
Delta R.T.: 0.006 min
Response: 2904493
Conc: 20.64 ug/ml

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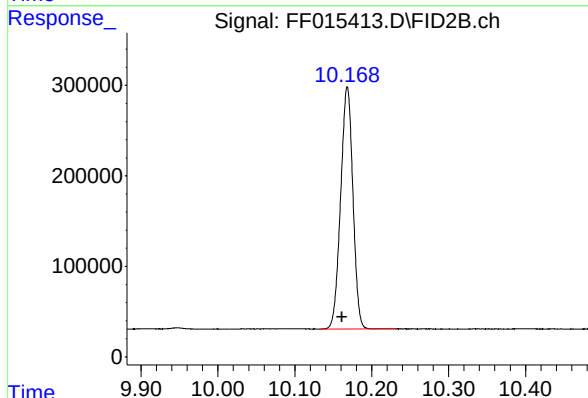
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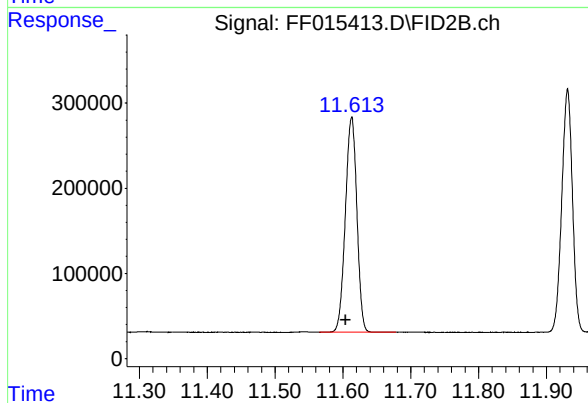
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.005 min
Response: 2845471
Conc: 21.06 ug/ml



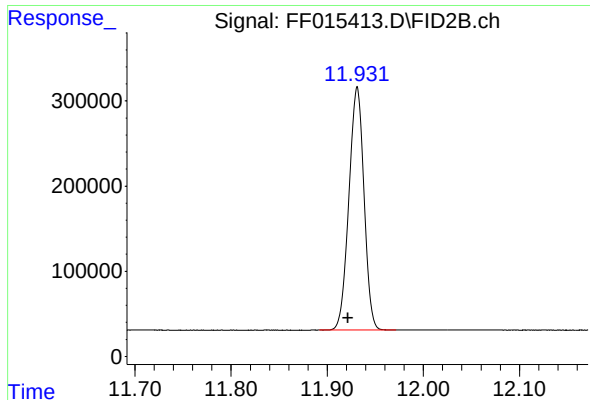
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.007 min
Response: 2958665
Conc: 20.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.613 min
Delta R.T.: 0.009 min
Response: 2978836
Conc: 20.34 ug/ml



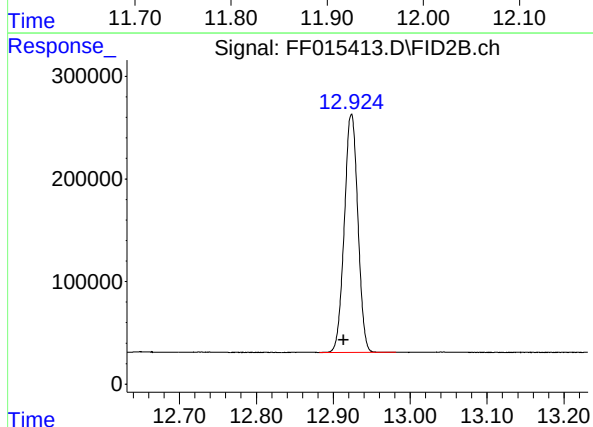
#9 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: 0.010 min
Response: 3116865
Conc: 19.60 ug/ml

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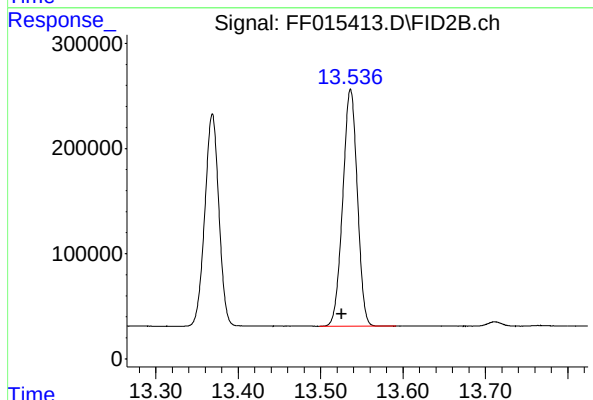
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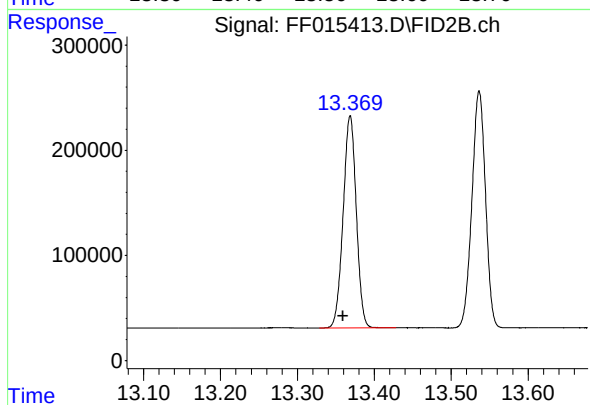
#10 n-Eicosane (C20)

R.T.: 12.924 min
Delta R.T.: 0.010 min
Response: 2835042
Conc: 19.66 ug/ml



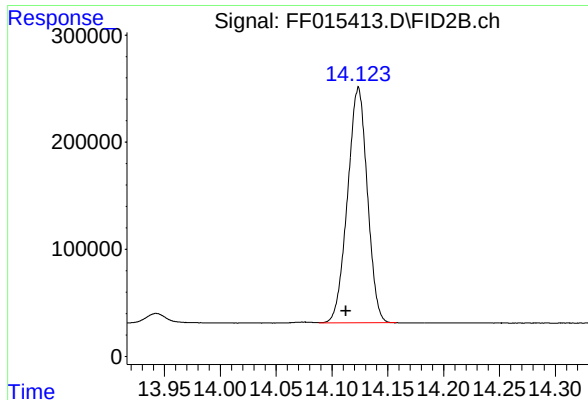
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.011 min
Response: 2764199
Conc: 19.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.369 min
Delta R.T.: 0.009 min
Response: 2389343
Conc: 19.17 ug/ml



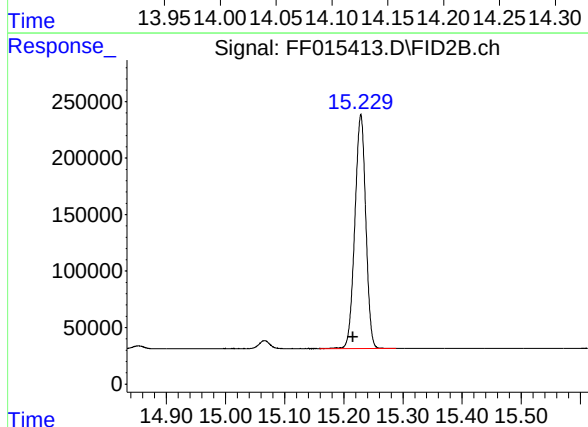
#13 n-Docosane (C22)

R.T.: 14.123 min
Delta R.T.: 0.011 min
Response: 2717408
Conc: 18.96 ug/ml

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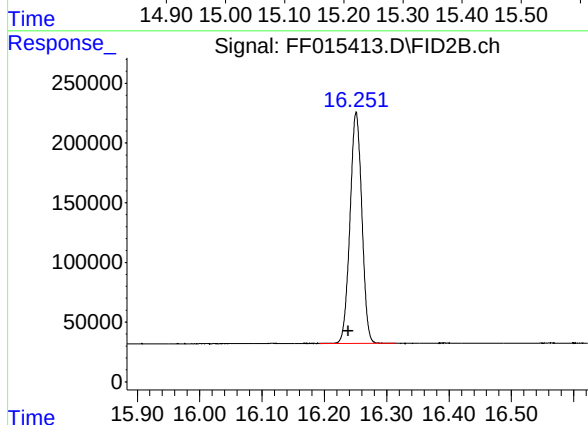
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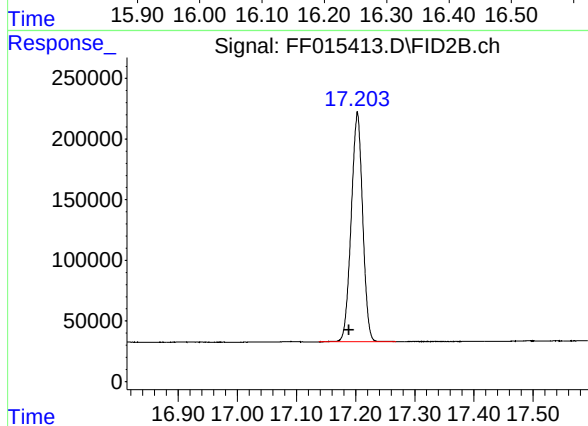
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: 0.013 min
Response: 2656331
Conc: 18.31 ug/ml



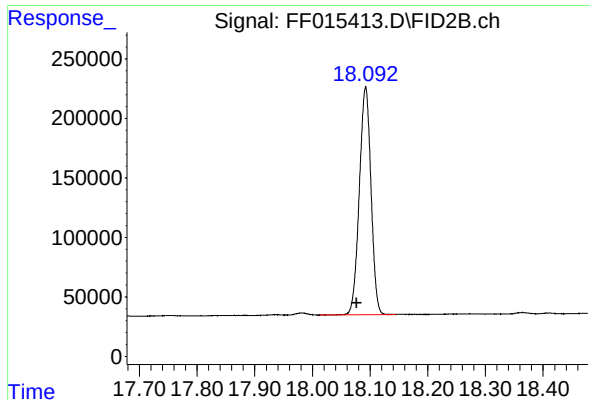
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: 0.013 min
Response: 2555236
Conc: 17.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: 0.014 min
Response: 2544054
Conc: 18.28 ug/ml



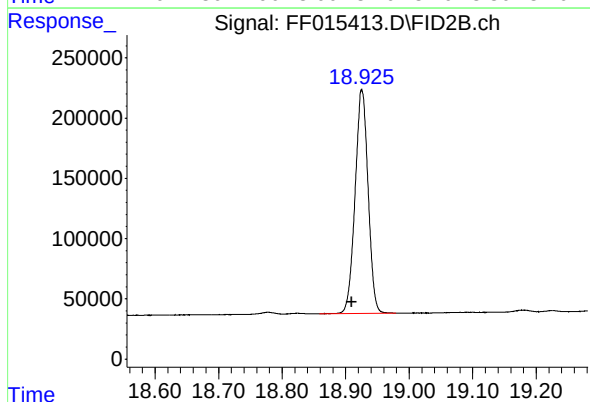
#17 n-Tricontane (C30)

R.T.: 18.092 min
Delta R.T.: 0.016 min
Response: 2687620
Conc: 19.30 ug/ml

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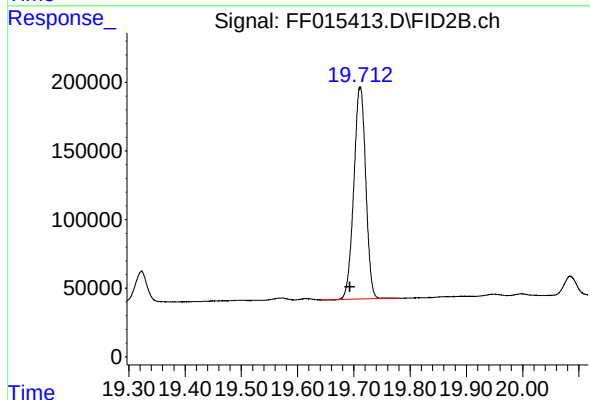
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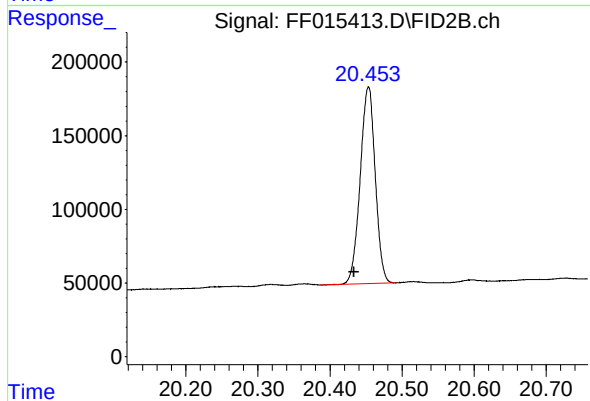
#18 n-Dotriacontane (C32)

R.T.: 18.925 min
Delta R.T.: 0.016 min
Response: 2644192
Conc: 20.27 ug/ml m



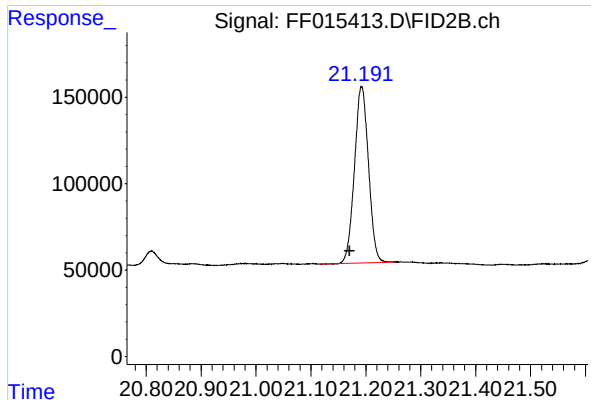
#19 n-Tetratriacontane (C34)

R.T.: 19.711 min
Delta R.T.: 0.018 min
Response: 2276644
Conc: 20.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.453 min
Delta R.T.: 0.020 min
Response: 1938055
Conc: 22.03 ug/ml



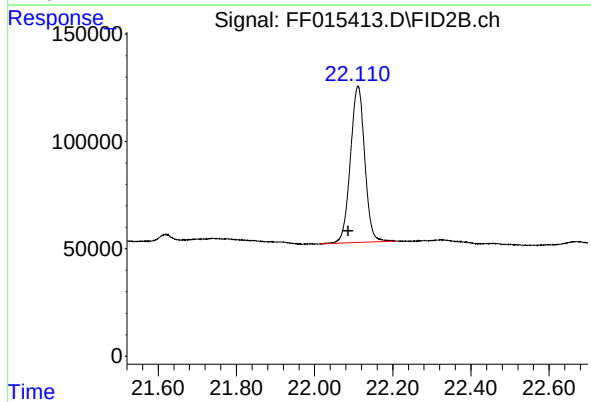
#21 n-Octatriacontane (C38)

R.T.: 21.192 min
Delta R.T.: 0.022 min
Response: 1807234
Conc: 21.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.111 min
Delta R.T.: 0.025 min
Response: 1846865
Conc: 23.28 ug/ml