

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111723AL\
 Data File : FE045430.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2023 18:18
 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 11/20/2023
 Supervised By :Ankita Jodhani 11/20/2023

Integration File: autoint1.e
 Quant Time: Nov 17 21:35:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.871	3615279	18.935 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
12) S 1-chlorooctadecane (S...	13.313	2611676	18.961 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
Target Compounds			
1) T n-Nonane (C9)	3.260	3170881	19.194 ug/ml
2) T n-Decane (C10)	4.511	3240690	19.327 ug/ml
3) T A~Naphthalene (C11.7)	6.210	3423140	19.177 ug/ml
4) T n-Dodecane (C12)	6.677	3243774	19.207 ug/ml
5) T A~2-methylnaphthalene...	7.306	3265900	19.019 ug/ml
6) T n-Tetradecane (C14)	8.503	3185487	19.113 ug/ml
7) T n-Hexadecane (C16)	10.113	3208943	19.078 ug/ml
8) T n-Octadecane (C18)	11.558	3164206	18.905 ug/ml
10) T n-Eicosane (C20)	12.869	3019708	19.063 ug/ml
11) T n-Heneicosane (C21)	13.483	2909307	18.921 ug/ml
13) T n-Docosane (C22)	14.069	2921321	19.281 ug/ml
14) T n-Tetracosane (C24)	15.173	2964497	20.015 ug/mlm
15) T n-Hexacosane (C26)	16.197	2995180	20.549 ug/ml
16) T n-Octacosane (C28)	17.148	3130183	21.421 ug/ml
17) T n-Tricontane (C30)	18.040	3365018	22.153 ug/ml
18) T n-Dotriacontane (C32)	18.873	3453713	22.108 ug/ml
19) T n-Tetratriacontane (C34)	19.658	3296433	21.112 ug/ml
20) T n-Hexatriacontane (C36)	20.400	3256508	20.062 ug/ml
21) T n-Octatriacontane (C38)	21.134	3416892	20.566 ug/ml
22) T n-Tetracontane (C40)	22.043	3099374	18.145 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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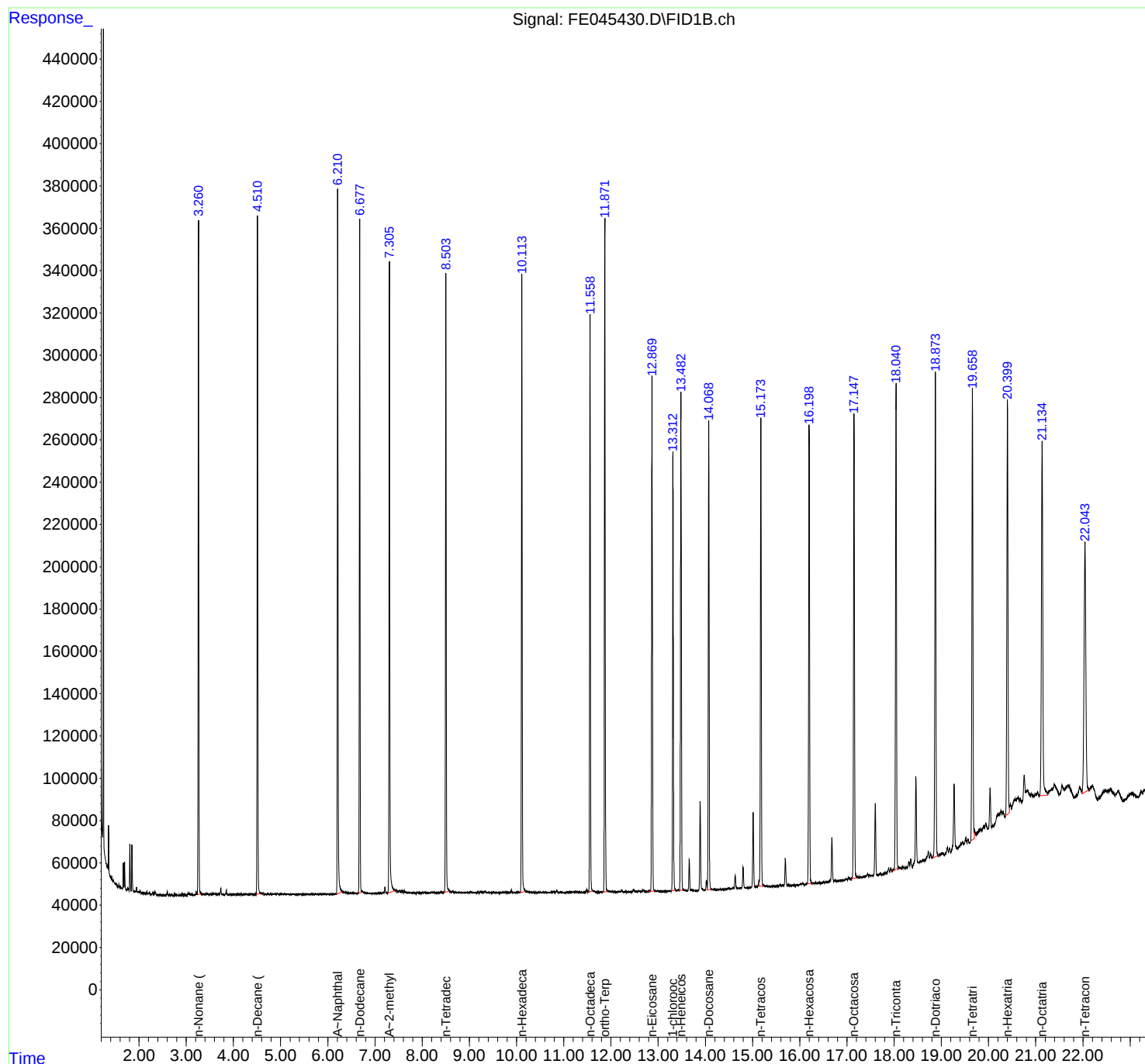
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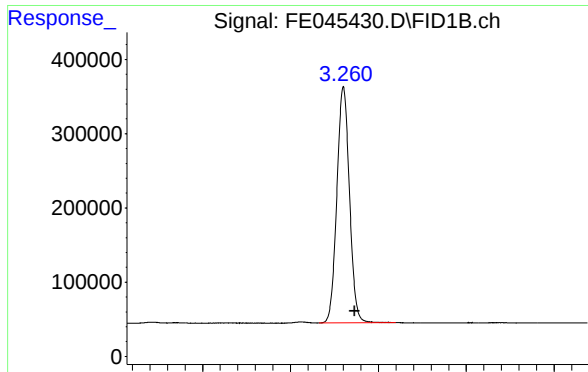
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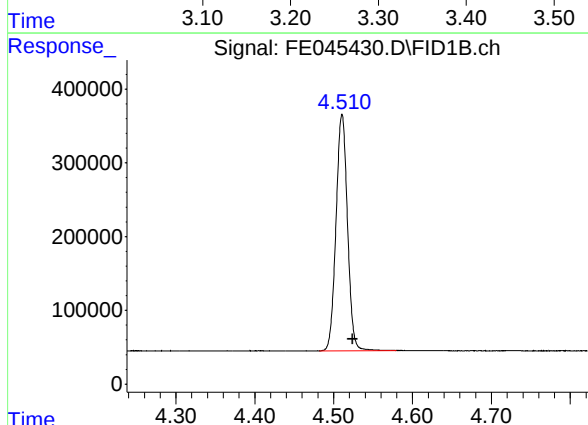
#1 n-Nonane (C9)

R.T.: 3.260 min
Delta R.T.: -0.013 min
Response: 3170881
Conc: 19.19 ug/ml

Instrument :
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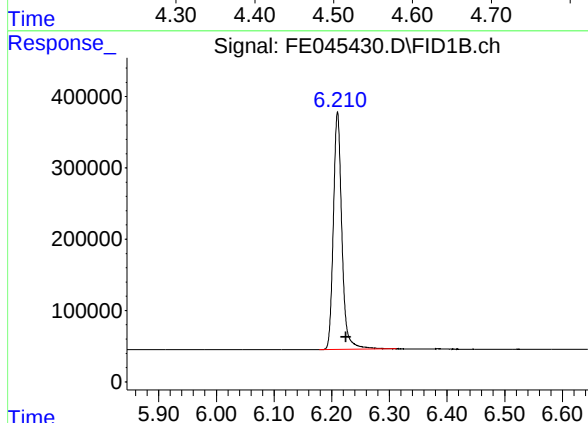
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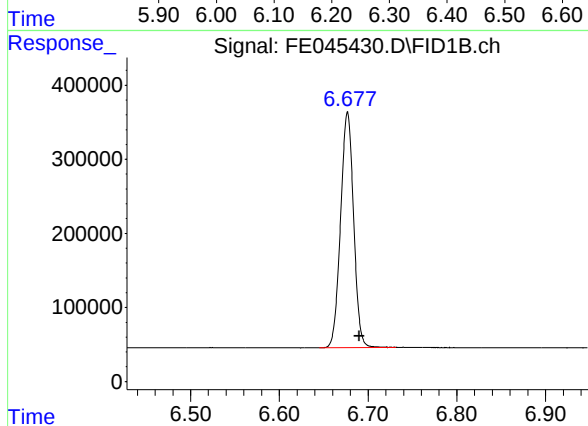
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.014 min
Response: 3240690
Conc: 19.33 ug/ml



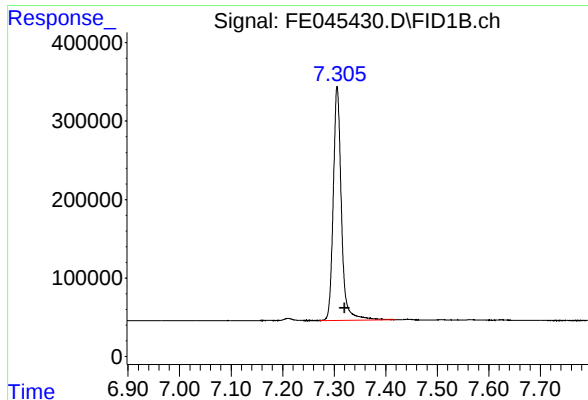
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.014 min
Response: 3423140
Conc: 19.18 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.677 min
Delta R.T.: -0.013 min
Response: 3243774
Conc: 19.21 ug/ml



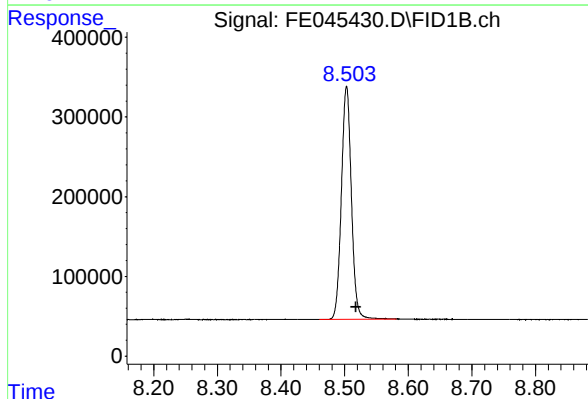
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.306 min
Delta R.T.: -0.015 min
Response: 3265900
Conc: 19.02 ug/ml

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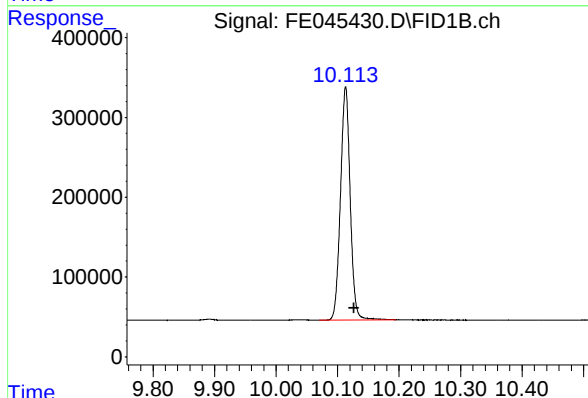
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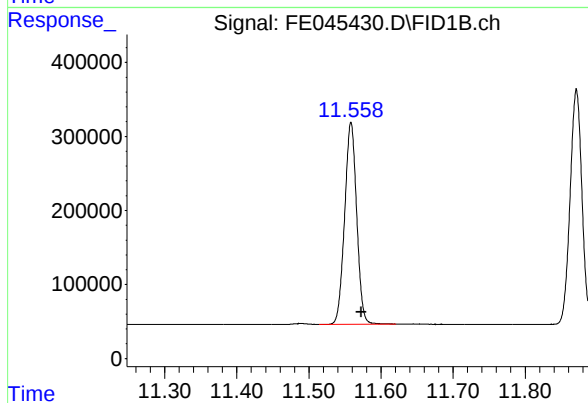
#6 n-Tetradecane (C14)

R.T.: 8.503 min
Delta R.T.: -0.014 min
Response: 3185487
Conc: 19.11 ug/ml



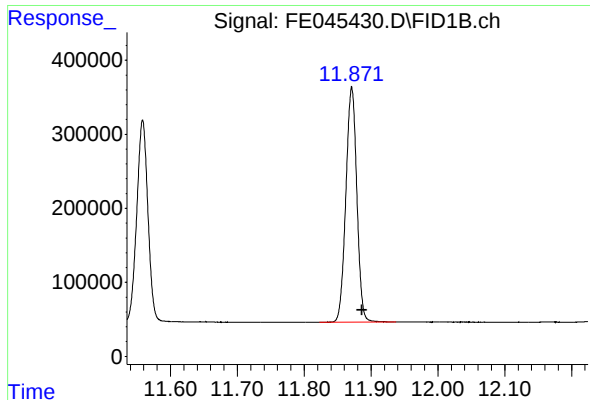
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.014 min
Response: 3208943
Conc: 19.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.558 min
Delta R.T.: -0.014 min
Response: 3164206
Conc: 18.91 ug/ml



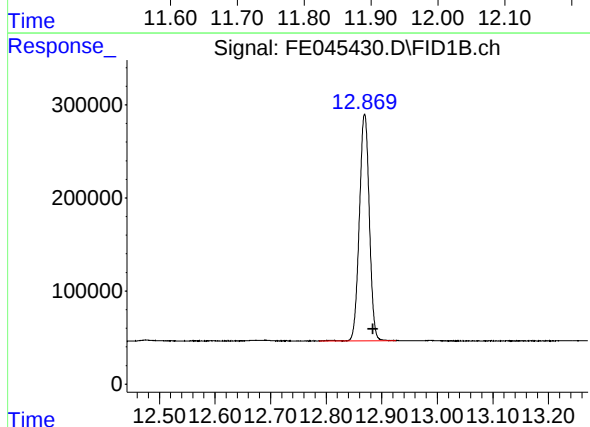
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.015 min
Response: 3615279
Conc: 18.94 ug/ml

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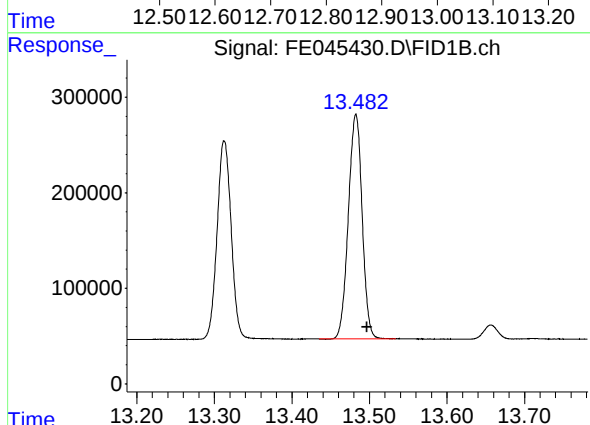
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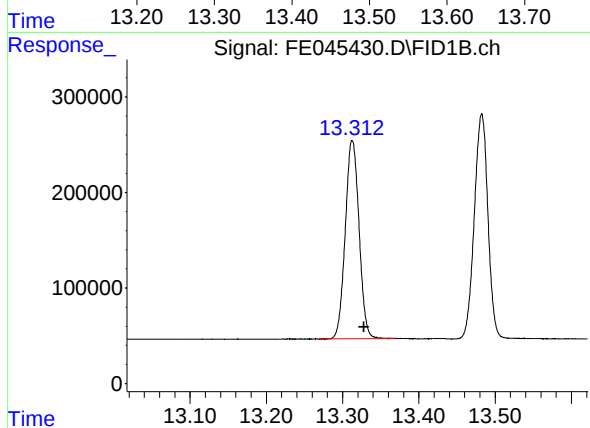
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.015 min
Response: 3019708
Conc: 19.06 ug/ml



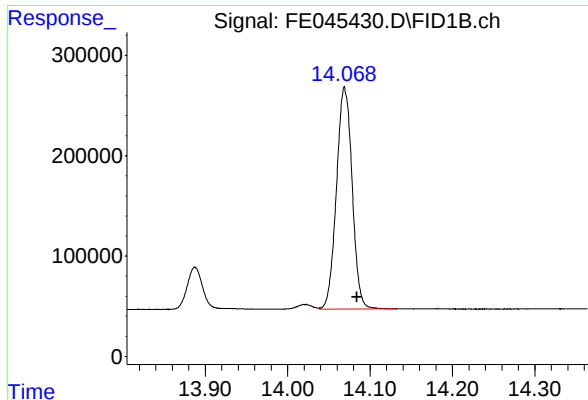
#11 n-Heneicosane (C21)

R.T.: 13.483 min
Delta R.T.: -0.014 min
Response: 2909307
Conc: 18.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.015 min
Response: 2611676
Conc: 18.96 ug/ml



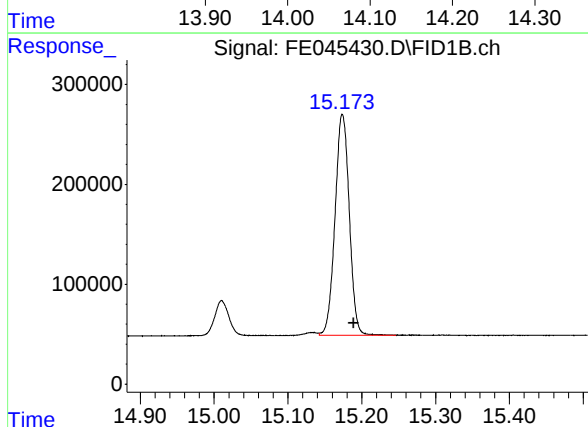
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.015 min
Response: 2921321
Conc: 19.28 ug/ml

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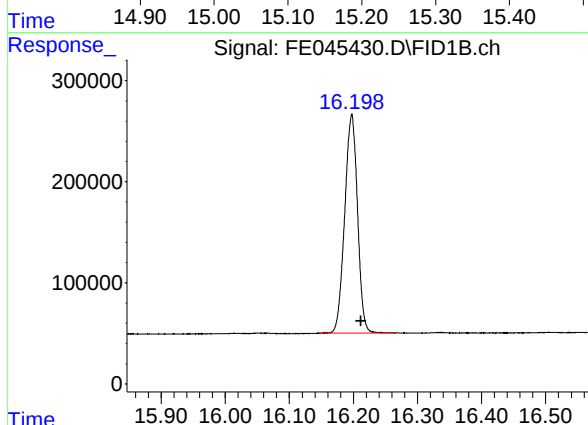
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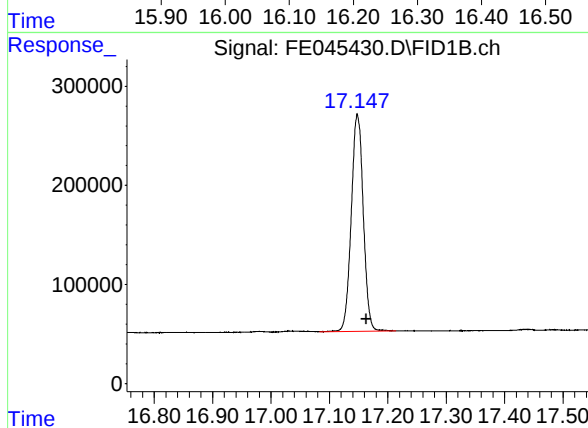
#14 n-Tetracosane (C24)

R.T.: 15.173 min
Delta R.T.: -0.016 min
Response: 2964497
Conc: 20.02 ug/ml m



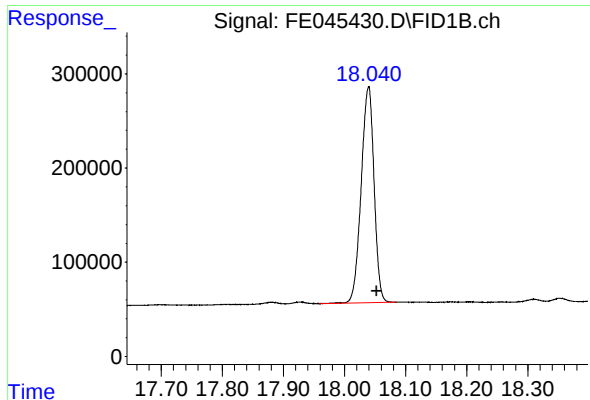
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.014 min
Response: 2995180
Conc: 20.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.016 min
Response: 3130183
Conc: 21.42 ug/ml



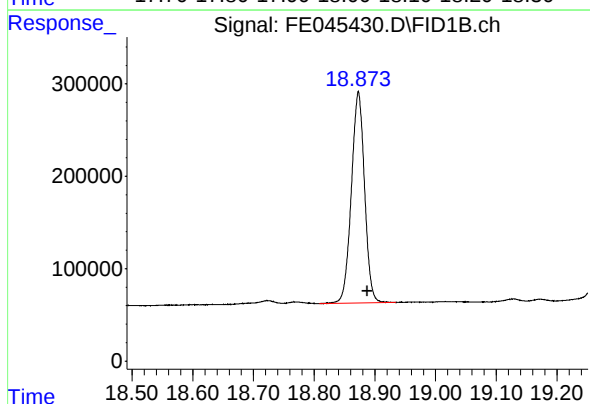
#17 n-Tricontane (C30)

R.T.: 18.040 min
Delta R.T.: -0.013 min
Response: 3365018
Conc: 22.15 ug/ml

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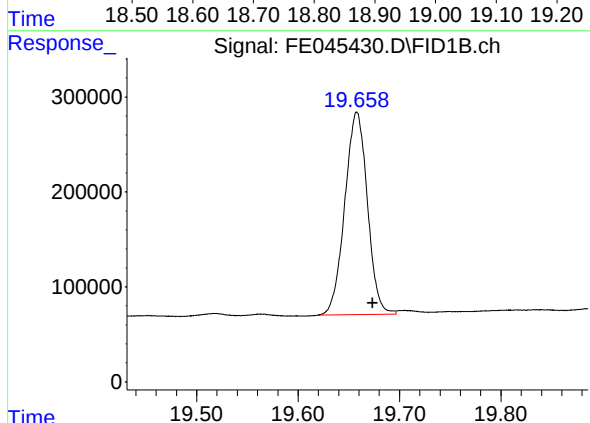
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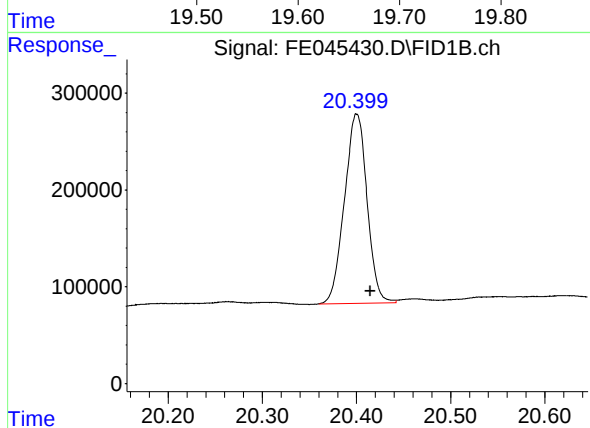
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: -0.015 min
Response: 3453713
Conc: 22.11 ug/ml



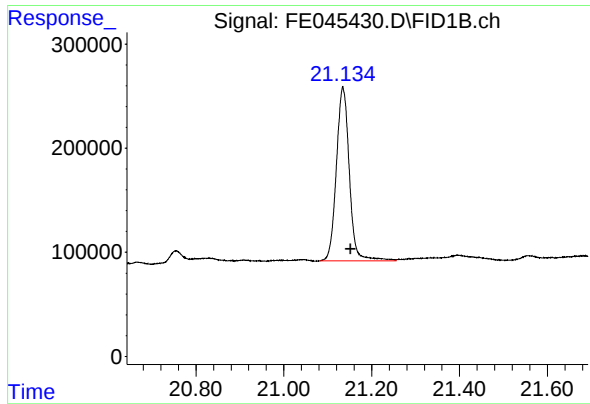
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.015 min
Response: 3296433
Conc: 21.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.015 min
Response: 3256508
Conc: 20.06 ug/ml



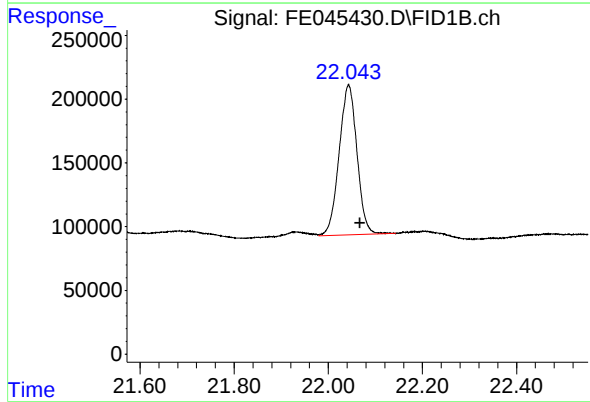
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.018 min
Response: 3416892
Conc: 20.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.043 min
Delta R.T.: -0.024 min
Response: 3099374
Conc: 18.15 ug/ml