

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE123024AL\
 Data File : FE051799.D
 Signal(s) : FID1B.ch
 Acq On : 30 Dec 2024 09:20
 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 12/31/2024
 Supervised By :Ankita Jodhani 12/31/2024

Integration File: autoint1.e
 Quant Time: Dec 31 02:11:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122724.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 30 09:52:06 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)	12.046	3107953	20.519 ug/ml
Spiked Amount 50.000		Recovery =	41.04%
12) S 1-chlorooctadecane (S...	13.468	2365383	20.333 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
Target Compounds			
1) T n-Nonane (C9)	3.500	2390578	20.611 ug/ml
2) T n-Decane (C10)	4.734	2484157	20.645 ug/ml
3) T A~Naphthalene (C11.7)	6.428	2871438	20.659 ug/ml
4) T n-Dodecane (C12)	6.875	2586191	20.584 ug/ml
5) T A~2-methylnaphthalene...	7.513	2812684	20.548 ug/ml
6) T n-Tetradecane (C14)	8.690	2639813	20.529 ug/ml
7) T n-Hexadecane (C16)	10.287	2795618	20.543 ug/ml
8) T n-Octadecane (C18)	11.721	2864685	20.459 ug/ml
10) T n-Eicosane (C20)	13.024	2775930	20.510 ug/ml
11) T n-Heneicosane (C21)	13.633	2726552	20.468 ug/ml
13) T n-Docosane (C22)	14.215	2710965	20.537 ug/ml
14) T n-Tetracosane (C24)	15.313	2684469	20.688 ug/ml
15) T n-Hexacosane (C26)	16.328	2608611	20.771 ug/ml
16) T n-Octacosane (C28)	17.273	2529065	20.949 ug/ml
17) T n-Tricontane (C30)	18.156	2525157	20.982 ug/ml
18) T n-Dotriacontane (C32)	18.984	2401684	20.985 ug/ml
19) T n-Tetratriacontane (C34)	19.764	2106840	20.889 ug/mlm
20) T n-Hexatriacontane (C36)	20.500	1862987	20.902 ug/mlm
21) T n-Octatriacontane (C38)	21.250	1950741	22.720 ug/mlm
22) T n-Tetracontane (C40)	22.196	1858752	21.075 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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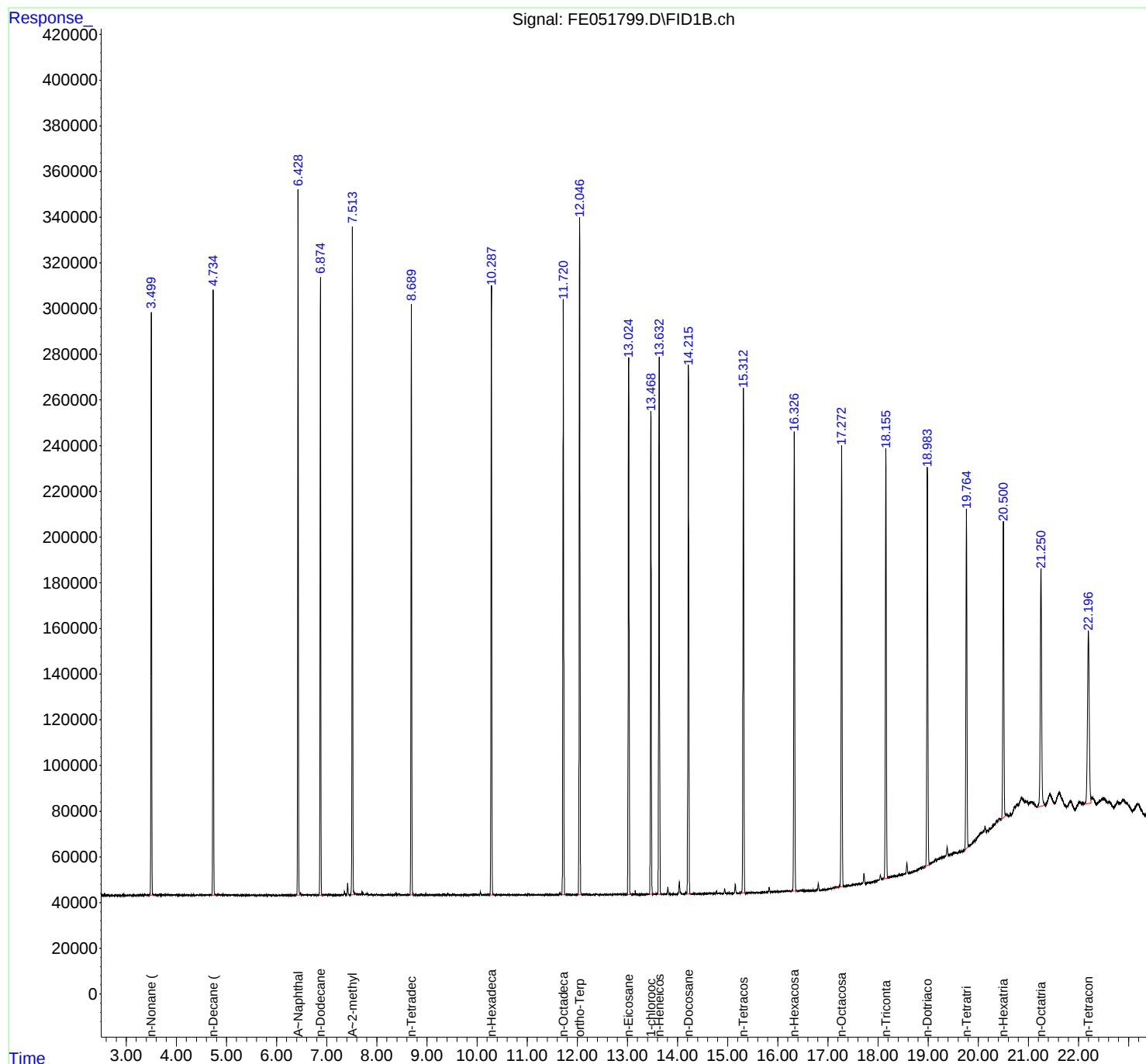
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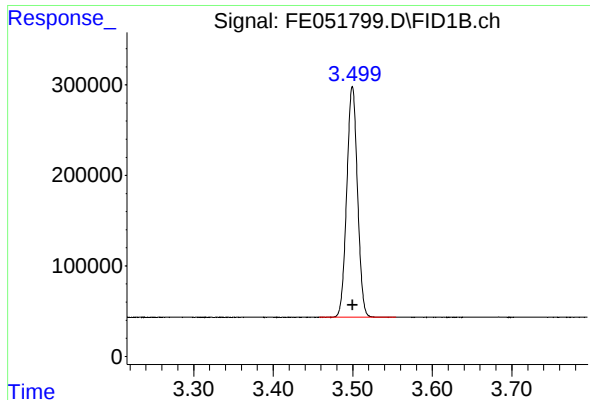
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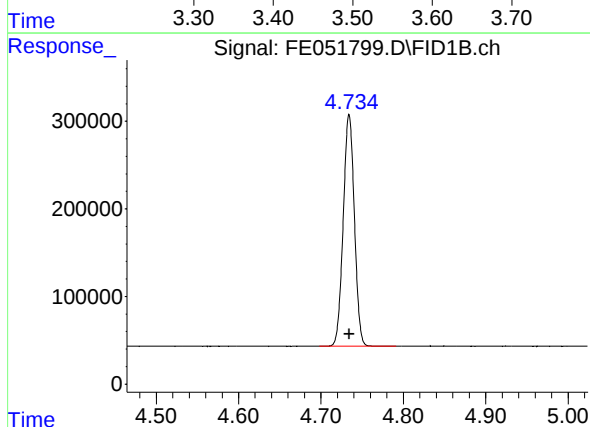
#1 n-Nonane (C9)

R.T.: 3.500 min
Delta R.T.: 0.000 min
Response: 2390578
Conc: 20.61 ug/ml

Instrument : FID_E
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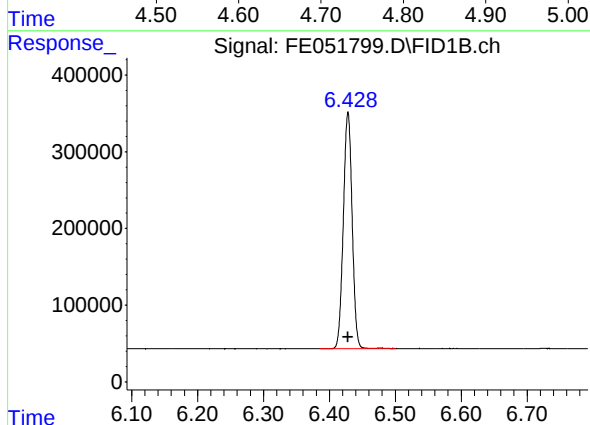
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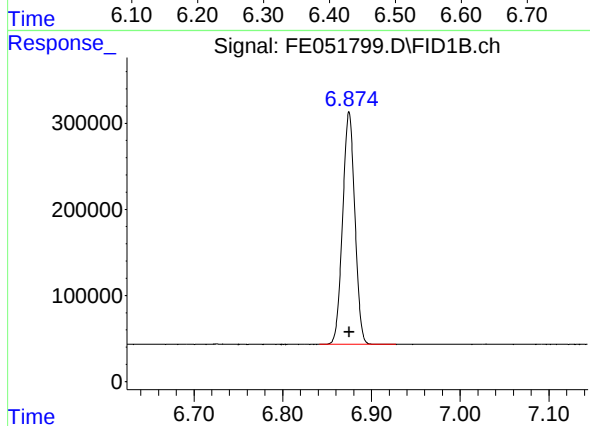
#2 n-Decane (C10)

R.T.: 4.734 min
Delta R.T.: 0.000 min
Response: 2484157
Conc: 20.64 ug/ml



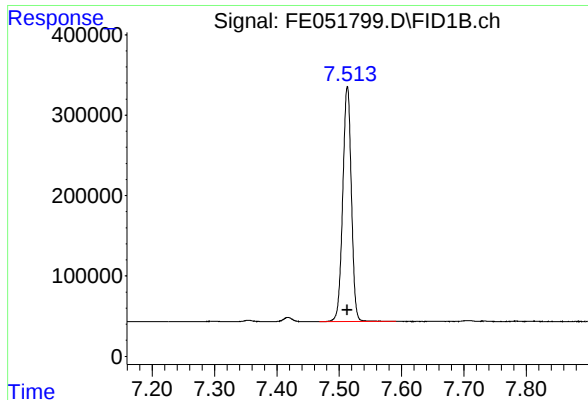
#3 A~Naphthalene (C11.7)

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 2871438
Conc: 20.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 2586191
Conc: 20.58 ug/ml



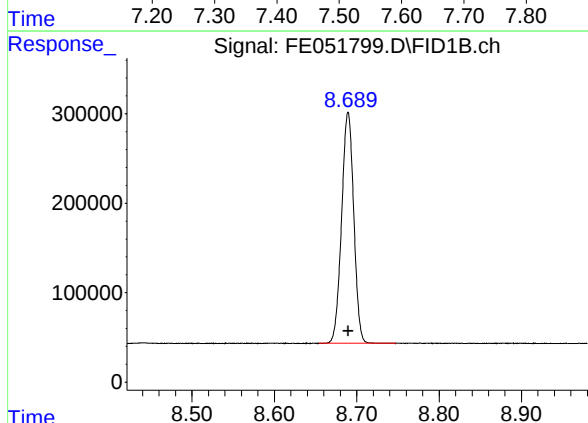
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.513 min
Delta R.T.: 0.000 min
Response: 2812684
Conc: 20.55 ug/ml

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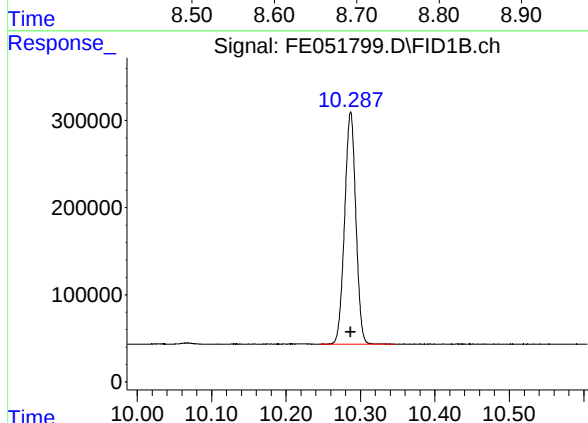
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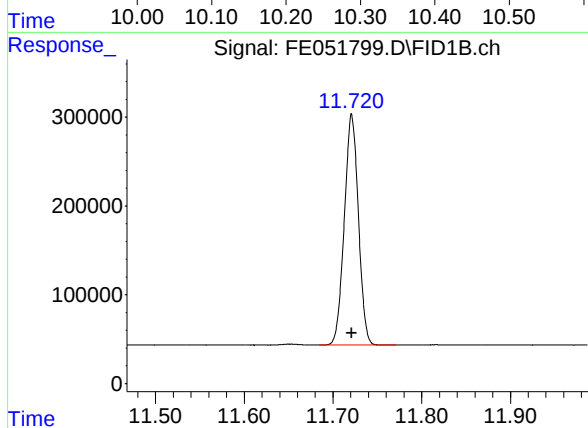
#6 n-Tetradecane (C14)

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 2639813
Conc: 20.53 ug/ml



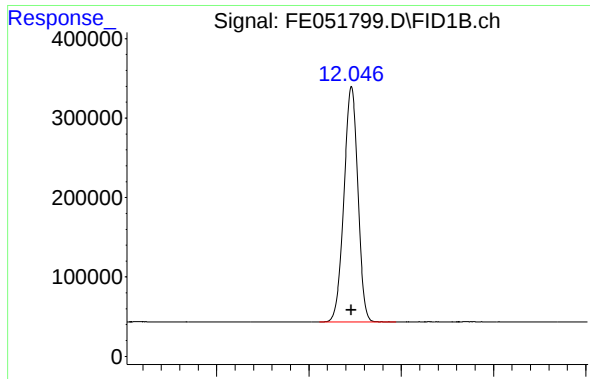
#7 n-Hexadecane (C16)

R.T.: 10.287 min
Delta R.T.: 0.000 min
Response: 2795618
Conc: 20.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.721 min
Delta R.T.: 0.000 min
Response: 2864685
Conc: 20.46 ug/ml



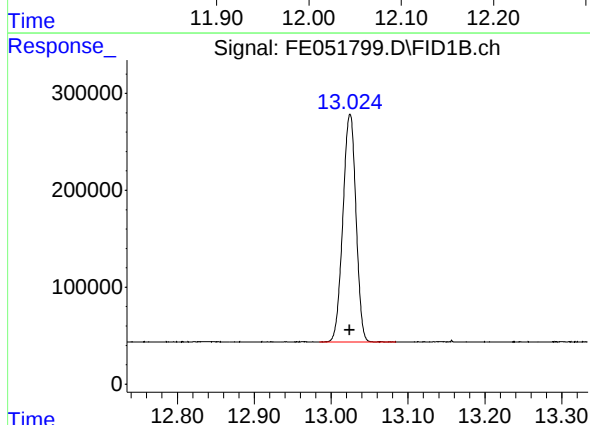
#9 ortho-Terphenyl (SURR)

R.T.: 12.046 min
Delta R.T.: 0.000 min
Response: 3107953
Conc: 20.52 ug/ml

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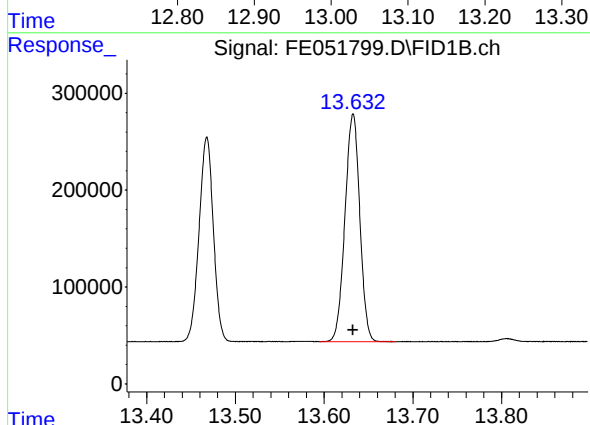
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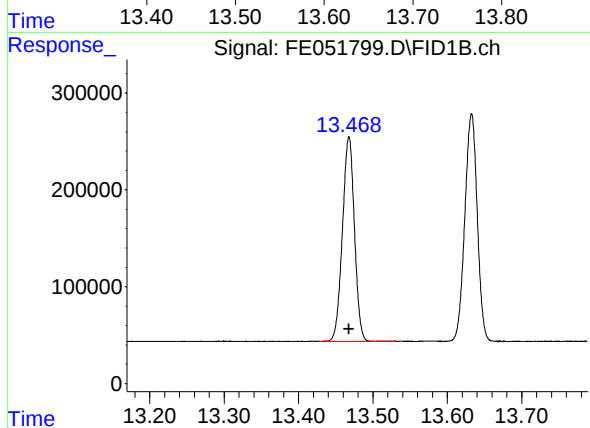
#10 n-Eicosane (C20)

R.T.: 13.024 min
Delta R.T.: 0.000 min
Response: 2775930
Conc: 20.51 ug/ml



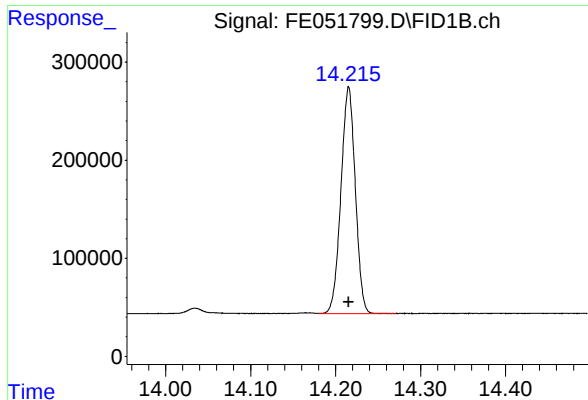
#11 n-Heneicosane (C21)

R.T.: 13.633 min
Delta R.T.: 0.000 min
Response: 2726552
Conc: 20.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.468 min
Delta R.T.: 0.000 min
Response: 2365383
Conc: 20.33 ug/ml



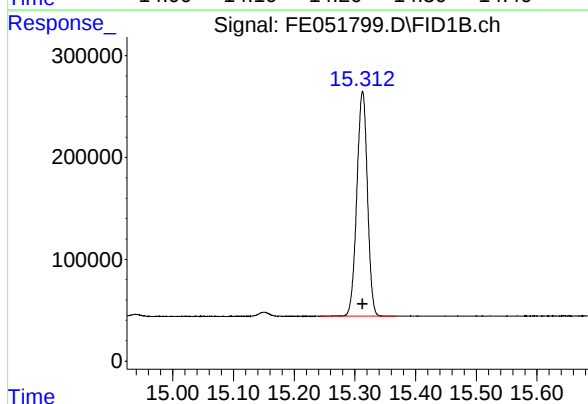
#13 n-Docosane (C22)

R.T.: 14.215 min
Delta R.T.: 0.000 min
Response: 2710965
Conc: 20.54 ug/ml

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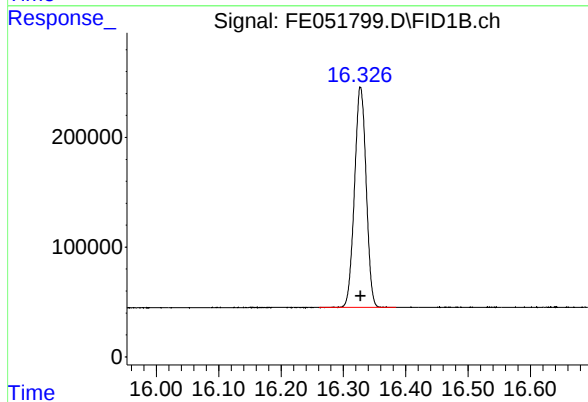
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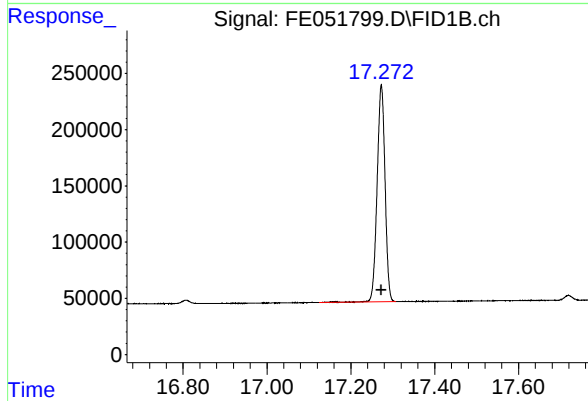
#14 n-Tetracosane (C24)

R.T.: 15.313 min
Delta R.T.: 0.000 min
Response: 2684469
Conc: 20.69 ug/ml



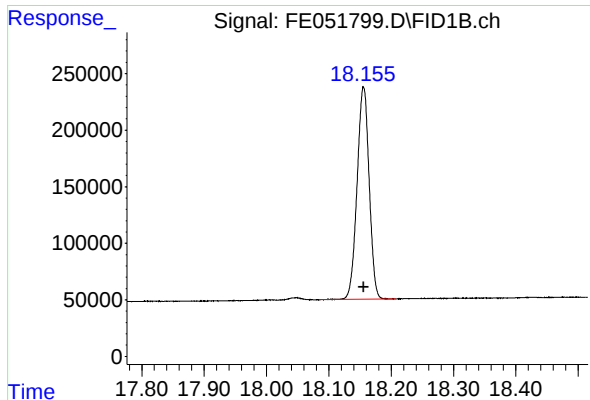
#15 n-Hexacosane (C26)

R.T.: 16.328 min
Delta R.T.: 0.000 min
Response: 2608611
Conc: 20.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.273 min
Delta R.T.: 0.000 min
Response: 2529065
Conc: 20.95 ug/ml



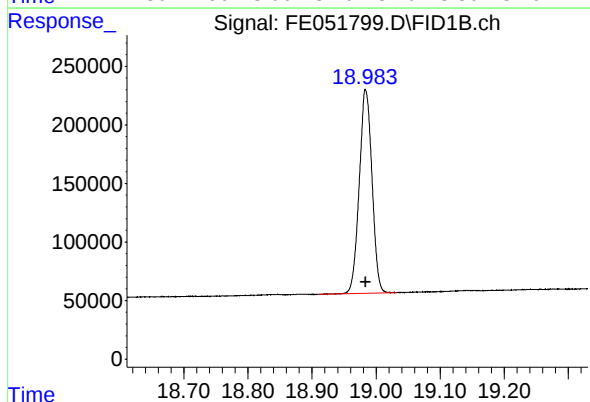
#17 n-Tricontane (C30)

R.T.: 18.156 min
Delta R.T.: 0.000 min
Response: 2525157
Conc: 20.98 ug/ml

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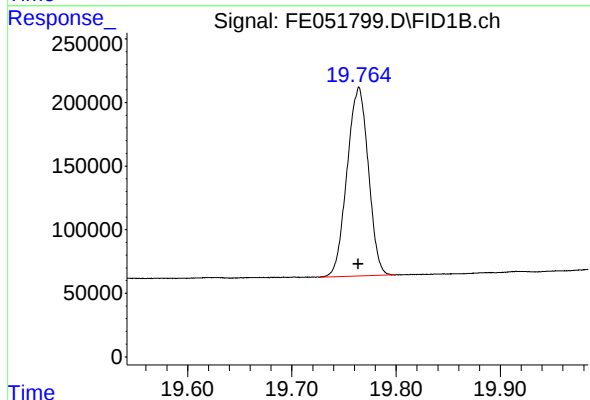
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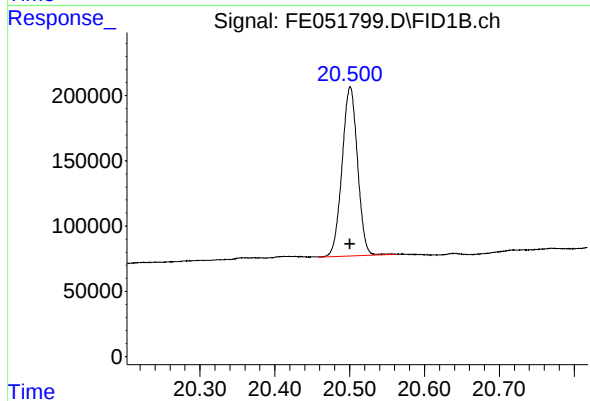
#18 n-Dotriacontane (C32)

R.T.: 18.984 min
Delta R.T.: 0.000 min
Response: 2401684
Conc: 20.99 ug/ml



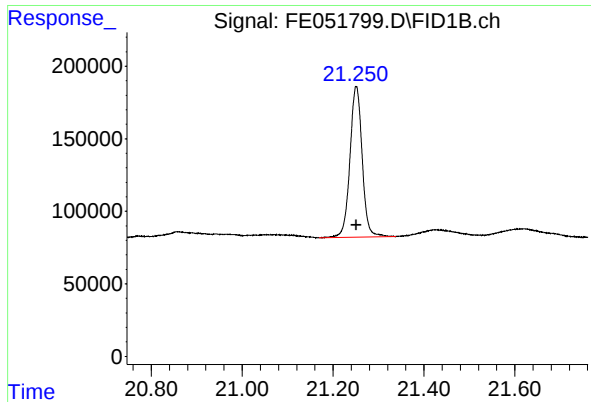
#19 n-Tetatriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.000 min
Response: 2106840
Conc: 20.89 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.500 min
Delta R.T.: 0.000 min
Response: 1862987
Conc: 20.90 ug/ml m



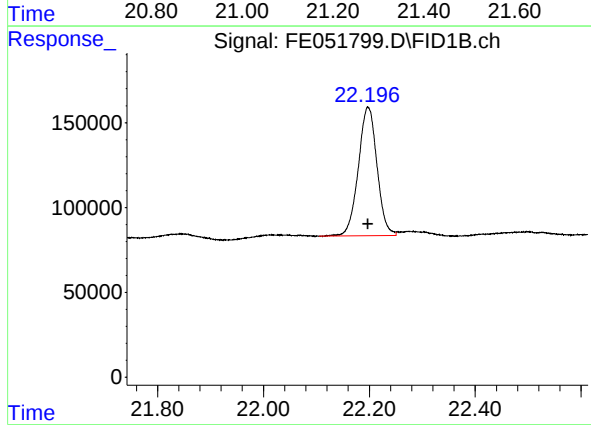
#21 n-Octatriacontane (C38)

R.T.: 21.250 min
Delta R.T.: -0.001 min
Response: 1950741
Conc: 22.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.196 min
Delta R.T.: -0.002 min
Response: 1858752
Conc: 21.08 ug/ml m