

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051225AL\
 Data File : FF015822.D
 Signal(s) : FID2B.ch
 Acq On : 12 May 2025 15:22
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: autoint1.e
 Quant Time: May 12 16:16:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 16:00:20 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)	11.945	691817	4.861 ug/ml
Spiked Amount 50.000		Recovery =	9.72%
12) S 1-chlorooctadecane (S...	13.374	528004	4.865 ug/ml
Spiked Amount 50.000		Recovery =	9.73%
Target Compounds			
1) T n-Nonane (C9)	3.313	481462	4.543 ug/ml
2) T n-Decane (C10)	4.570	475809	4.480 ug/ml
3) T A~Naphthalene (C11.7)	6.341	371509	4.002 ug/mlm
4) T n-Dodecane (C12)	6.736	514096	4.663 ug/ml
5) T A~2-methylnaphthalene...	7.530	299030	3.238 ug/mlm
6) T n-Tetradecane (C14)	8.567	515135	4.685 ug/ml
7) T n-Hexadecane (C16)	10.175	490979	4.502 ug/ml
8) T n-Octadecane (C18)	11.614	525389	4.659 ug/ml
10) T n-Eicosane (C20)	12.921	559626	4.821 ug/ml
11) T n-Heneicosane (C21)	13.534	576308	4.917 ug/ml
13) T n-Docosane (C22)	14.120	570022	4.881 ug/ml
14) T n-Tetracosane (C24)	15.224	575891	4.904 ug/ml
15) T n-Hexacosane (C26)	16.246	581449	4.948 ug/ml
16) T n-Octacosane (C28)	17.196	585031	4.999 ug/ml
17) T n-Tricontane (C30)	18.083	623464	5.195 ug/ml
18) T n-Dotriacontane (C32)	18.916	688791	5.582 ug/ml
19) T n-Tetratriacontane (C34)	19.699	599601	5.253 ug/ml
20) T n-Hexatriacontane (C36)	20.439	559782	5.157 ug/ml
21) T n-Octatriacontane (C38)	21.175	501770	4.925 ug/ml
22) T n-Tetracontane (C40)	22.090	564340	5.610 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Data File : FF015822.D
Signal(s) : FID2B.ch
Acq On : 12 May 2025 15:22
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

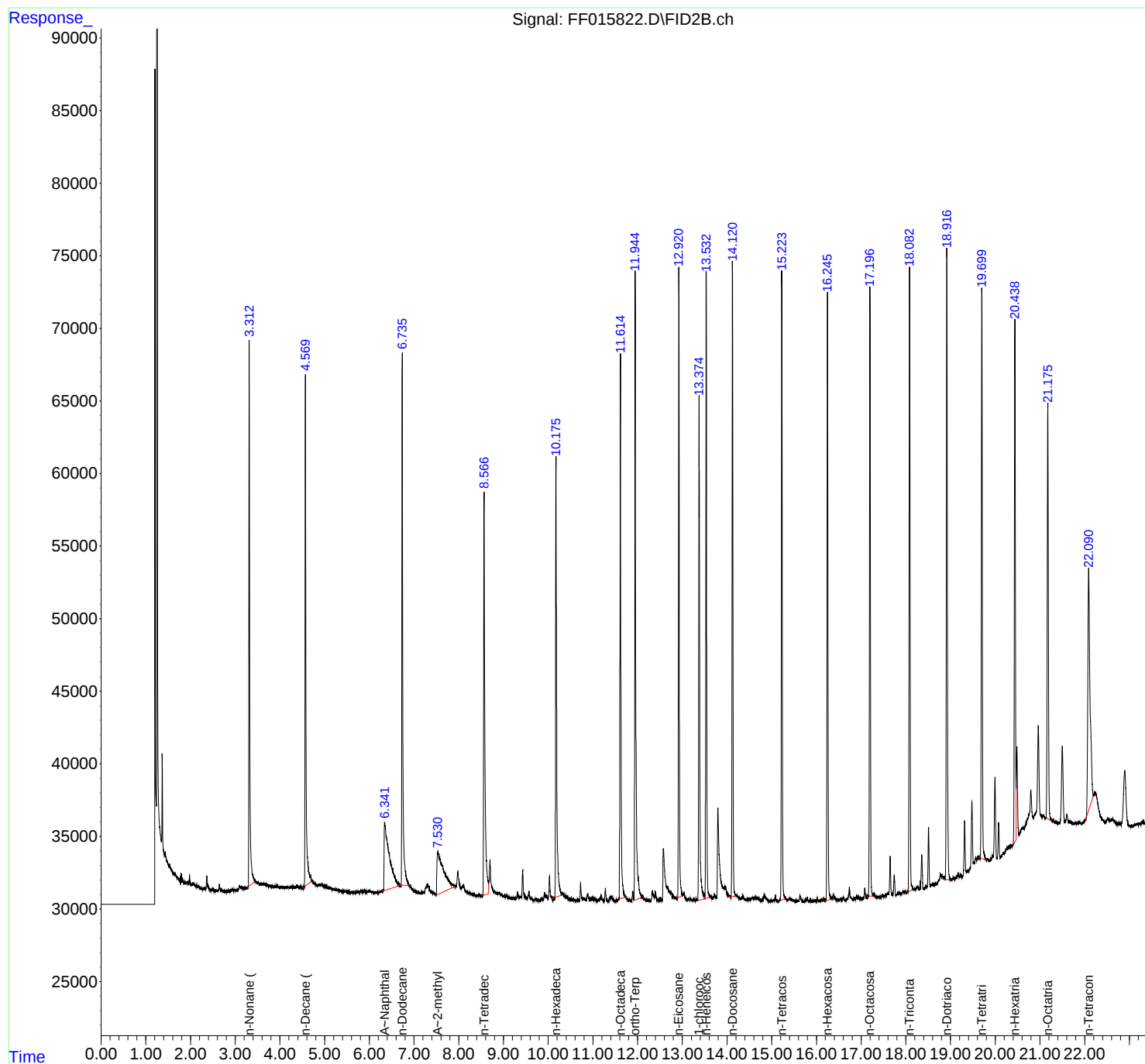
Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

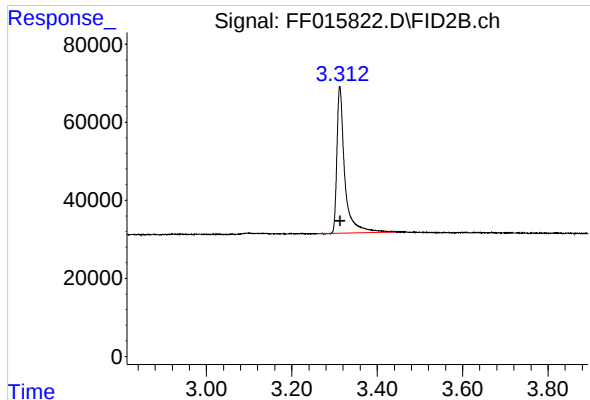
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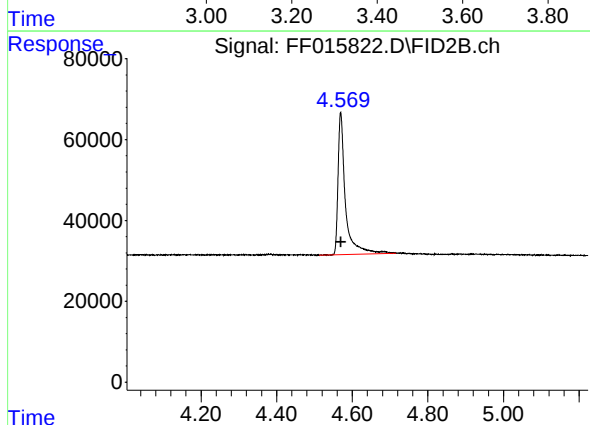
#1 n-Nonane (C9)

R.T.: 3.313 min
Delta R.T.: 0.000 min
Response: 481462
Conc: 4.54 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

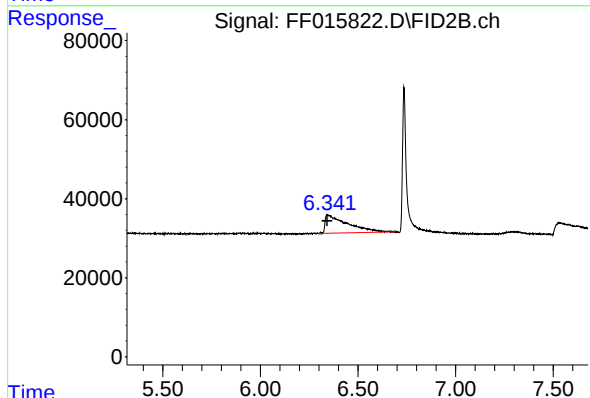
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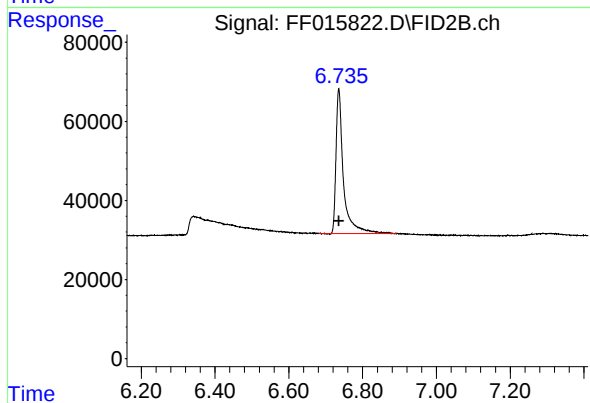
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: 0.000 min
Response: 475809
Conc: 4.48 ug/ml



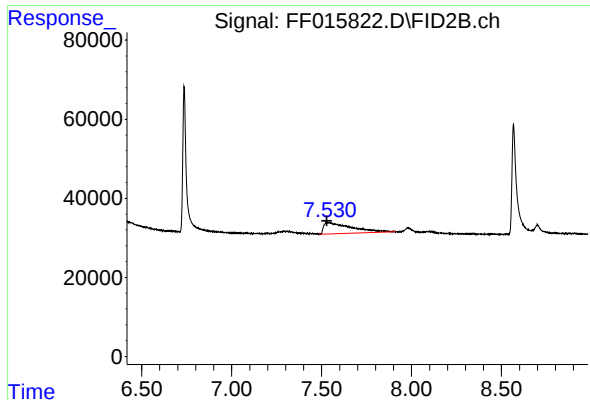
#3 A~Naphthalene (C11.7)

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 371509
Conc: 4.00 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: 0.000 min
Response: 514096
Conc: 4.66 ug/ml



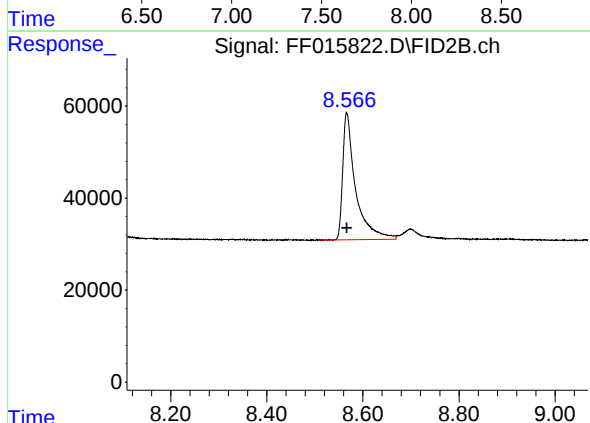
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.530 min
Delta R.T.: 0.000 min
Response: 299030
Conc: 3.24 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

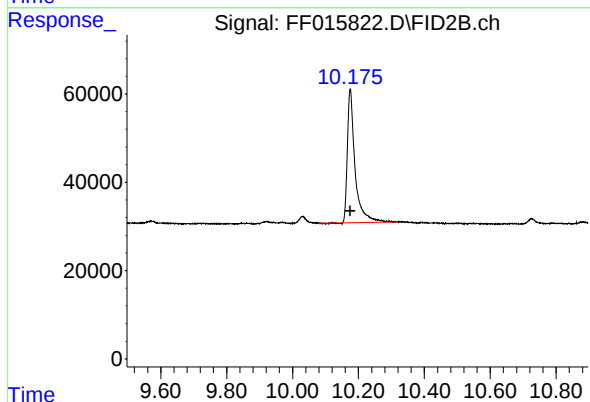
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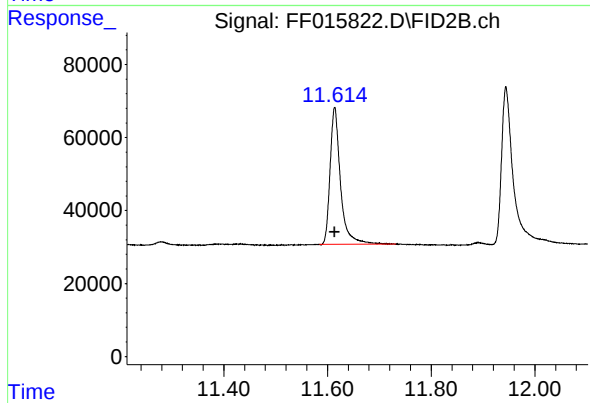
#6 n-Tetradecane (C14)

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 515135
Conc: 4.68 ug/ml



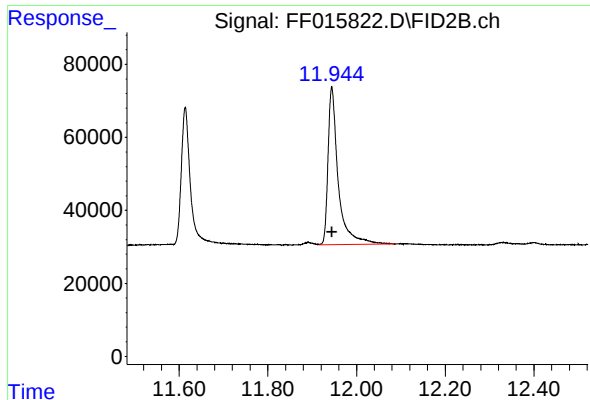
#7 n-Hexadecane (C16)

R.T.: 10.175 min
Delta R.T.: 0.000 min
Response: 490979
Conc: 4.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.614 min
Delta R.T.: 0.000 min
Response: 525389
Conc: 4.66 ug/ml



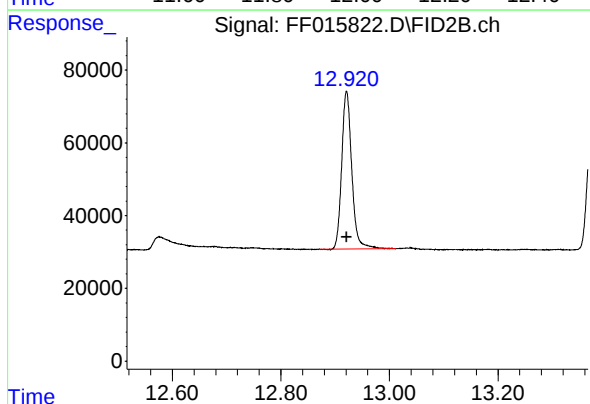
#9 ortho-Terphenyl (SURR)

R.T.: 11.945 min
Delta R.T.: 0.000 min
Response: 691817
Conc: 4.86 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

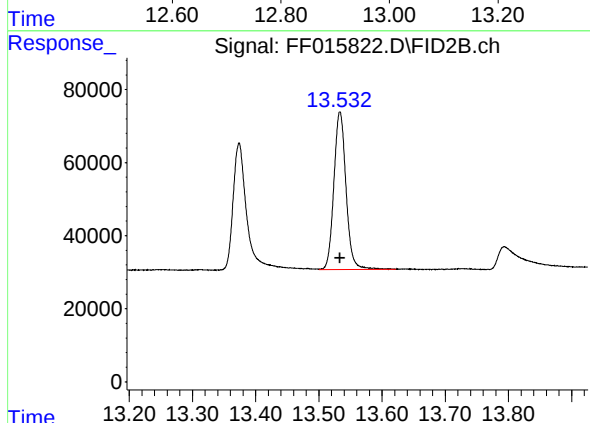
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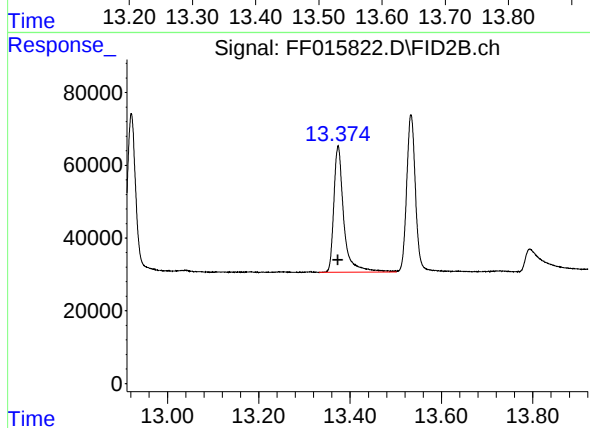
#10 n-Eicosane (C20)

R.T.: 12.921 min
Delta R.T.: 0.000 min
Response: 559626
Conc: 4.82 ug/ml



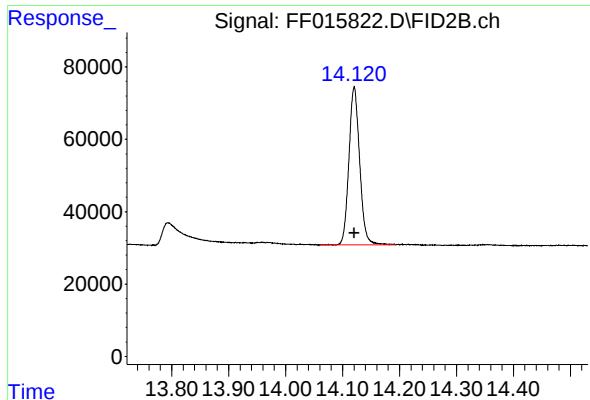
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 576308
Conc: 4.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: 0.000 min
Response: 528004
Conc: 4.87 ug/ml



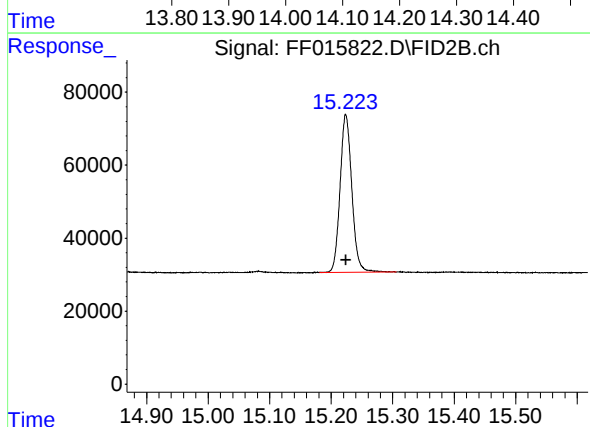
#13 n-Docosane (C22)

R.T.: 14.120 min
Delta R.T.: 0.000 min
Response: 570022
Conc: 4.88 ug/ml

Instrument : FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

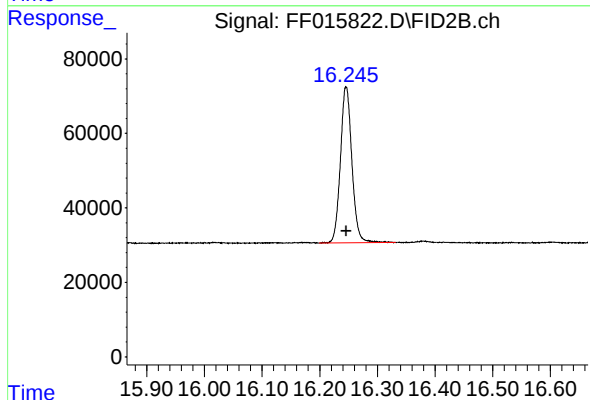
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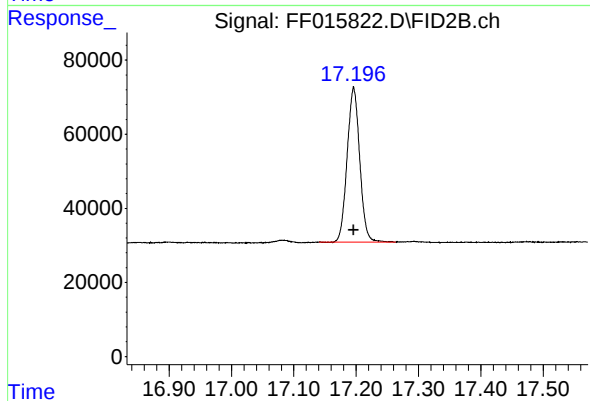
#14 n-Tetracosane (C24)

R.T.: 15.224 min
Delta R.T.: 0.000 min
Response: 575891
Conc: 4.90 ug/ml



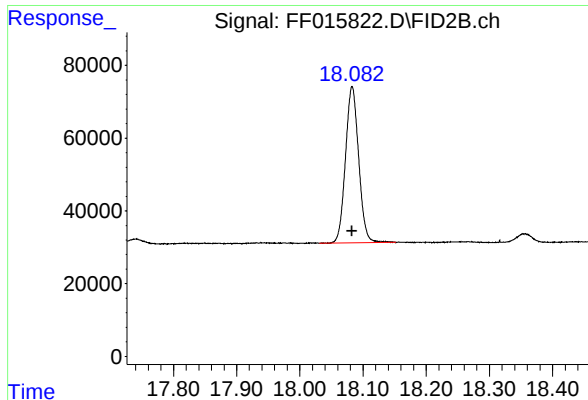
#15 n-Hexacosane (C26)

R.T.: 16.246 min
Delta R.T.: 0.000 min
Response: 581449
Conc: 4.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.196 min
Delta R.T.: 0.000 min
Response: 585031
Conc: 5.00 ug/ml



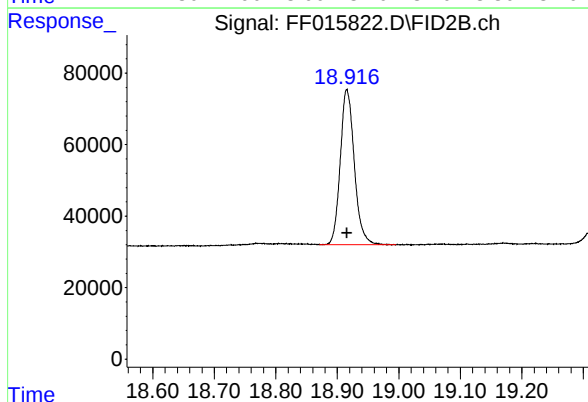
#17 n-Tricontane (C30)

R.T.: 18.083 min
Delta R.T.: 0.000 min
Response: 623464
Conc: 5.20 ug/ml

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5 PPM ALIPHATIC HC STD5

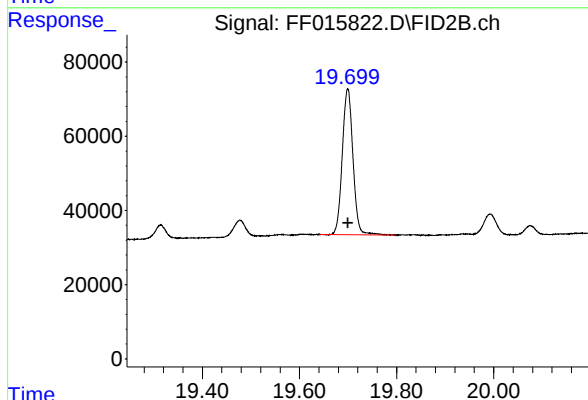
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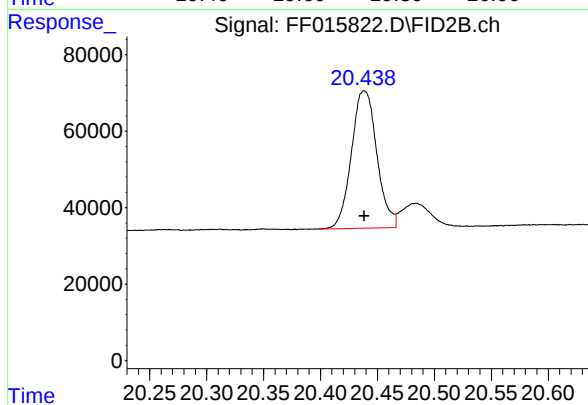
#18 n-Dotriacontane (C32)

R.T.: 18.916 min
Delta R.T.: 0.000 min
Response: 688791
Conc: 5.58 ug/ml



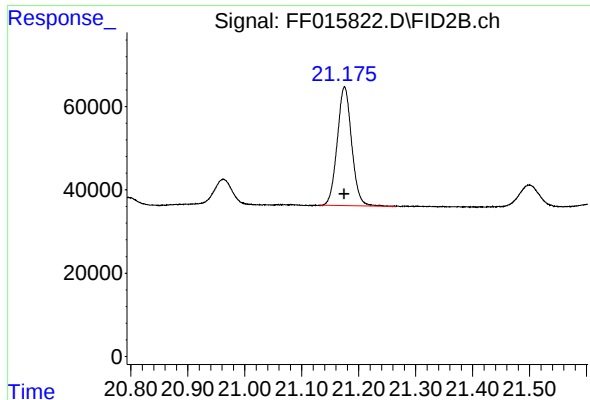
#19 n-Tetratriacontane (C34)

R.T.: 19.699 min
Delta R.T.: 0.000 min
Response: 599601
Conc: 5.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.439 min
Delta R.T.: 0.000 min
Response: 559782
Conc: 5.16 ug/ml



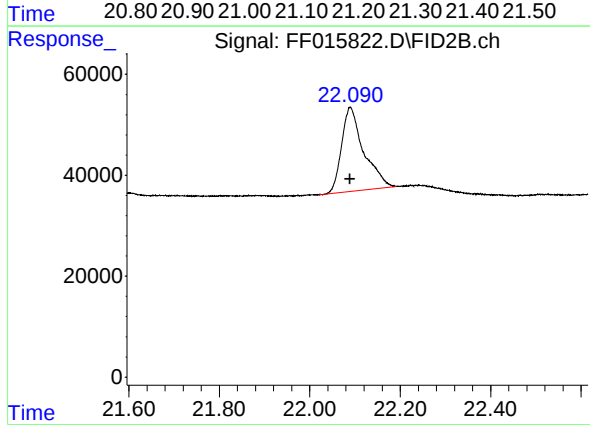
#21 n-Octatriacontane (C38)

R.T.: 21.175 min
Delta R.T.: 0.000 min
Response: 501770
Conc: 4.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.090 min
Delta R.T.: 0.000 min
Response: 564340
Conc: 5.61 ug/ml