

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102025AL\
 Data File : FE056402.D
 Signal(s) : FID1B.ch
 Acq On : 20 Oct 2025 23:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File: autoint1.e
 Quant Time: Oct 21 08:30:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:31:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

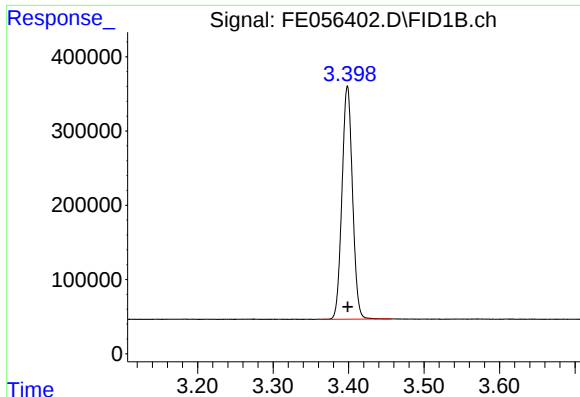
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.053	3772513	18.466 ug/ml
Spiked Amount 50.000		Recovery =	36.93%
12) S 1-chlorooctadecane (S...	13.488	2858265	18.733 ug/ml
Spiked Amount 50.000		Recovery =	37.47%
Target Compounds			
1) T n-Nonane (C9)	3.399	3040394	18.653 ug/ml
2) T n-Decane (C10)	4.652	3246879	19.744 ug/ml
3) T A~Naphthalene (C11.7)	6.369	3433491	19.423 ug/ml
4) T n-Dodecane (C12)	6.825	3345256	19.938 ug/ml
5) T A~2-methylnaphthalene...	7.470	3310467	19.868 ug/ml
6) T n-Tetradecane (C14)	8.661	3321509	19.993 ug/ml
7) T n-Hexadecane (C16)	10.276	3425844	19.581 ug/ml
8) T n-Octadecane (C18)	11.726	3465956	19.001 ug/ml
10) T n-Eicosane (C20)	13.040	3317156	18.630 ug/ml
11) T n-Heneicosane (C21)	13.655	3239637	18.465 ug/ml
13) T n-Docosane (C22)	14.243	3226129	18.225 ug/ml
14) T n-Tetracosane (C24)	15.350	3252419	17.877 ug/ml
15) T n-Hexacosane (C26)	16.375	3167639	17.646 ug/ml
16) T n-Octacosane (C28)	17.326	3147364	17.692 ug/mlm
17) T n-Tricontane (C30)	18.216	3357936	18.495 ug/ml
18) T n-Dotriacontane (C32)	19.051	3358121	19.048 ug/ml
19) T n-Tetratriacontane (C34)	19.836	3037142	19.620 ug/ml
20) T n-Hexatriacontane (C36)	20.576	2592875	20.754 ug/mlm
21) T n-Octatriacontane (C38)	21.348	2272114	21.747 ug/ml
22) T n-Tetracontane (C40)	22.322	2134520	23.523 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



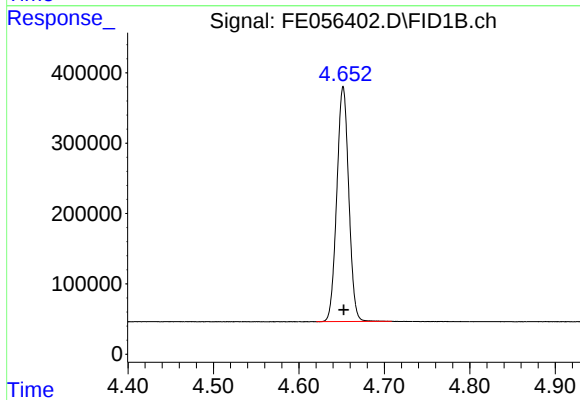
#1 n-Nonane (C9)

R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 3040394
Conc: 18.65 ug/ml

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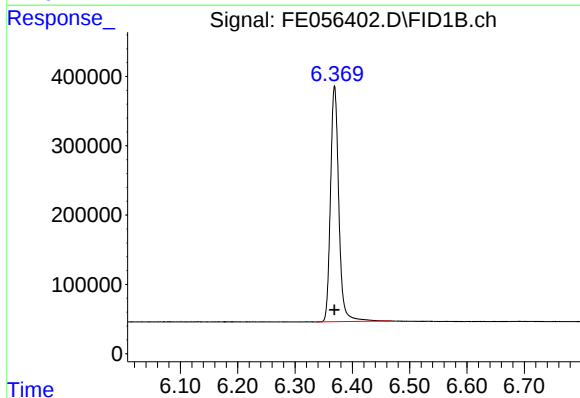
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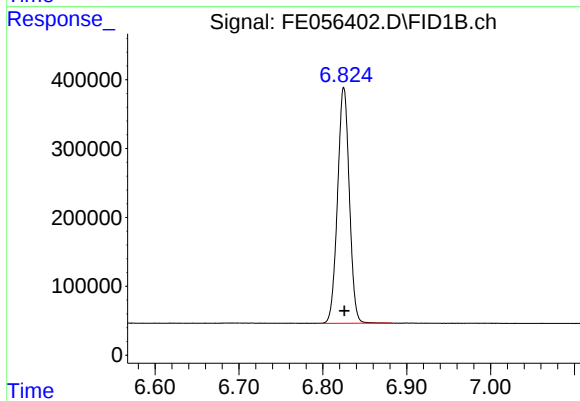
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 3246879
Conc: 19.74 ug/ml



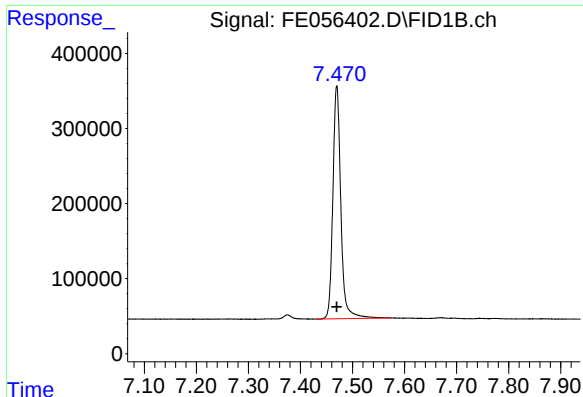
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min
Delta R.T.: 0.000 min
Response: 3433491
Conc: 19.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 3345256
Conc: 19.94 ug/ml



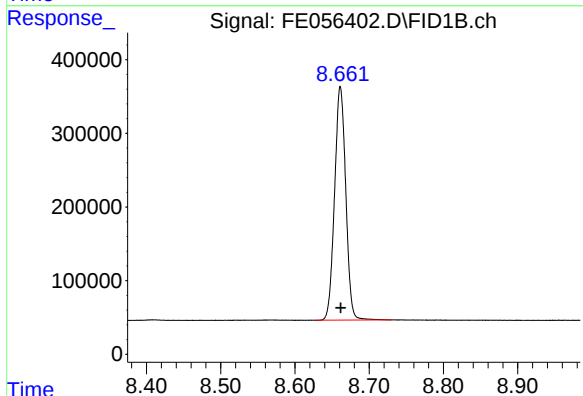
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 3310467
Conc: 19.87 ug/ml

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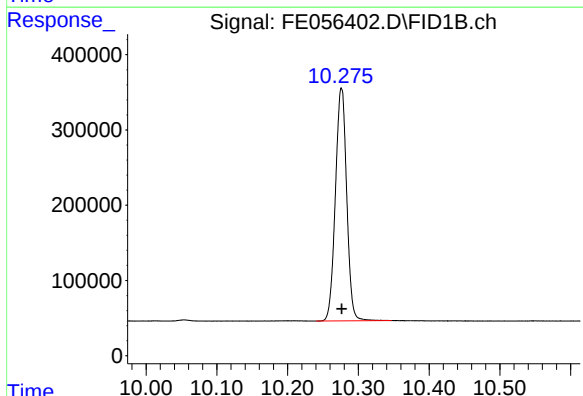
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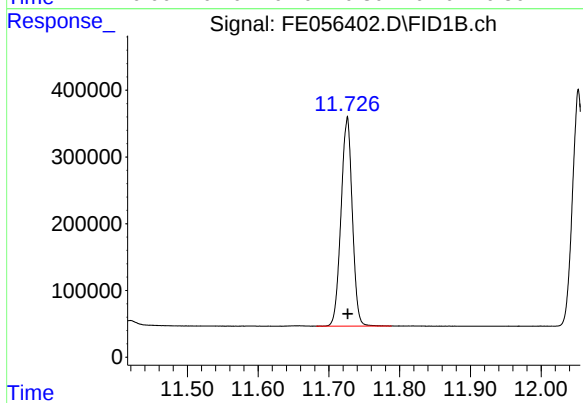
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 3321509
Conc: 19.99 ug/ml



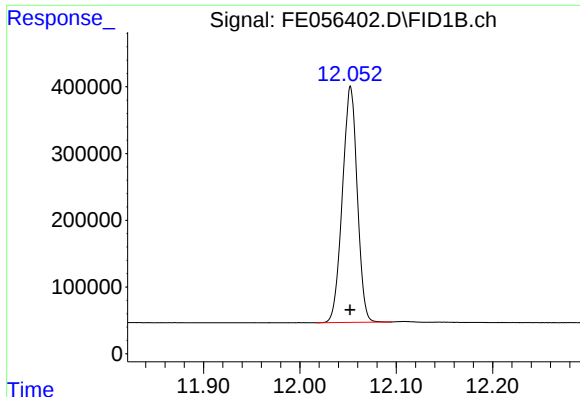
#7 n-Hexadecane (C16)

R.T.: 10.276 min
Delta R.T.: 0.000 min
Response: 3425844
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.726 min
Delta R.T.: 0.000 min
Response: 3465956
Conc: 19.00 ug/ml



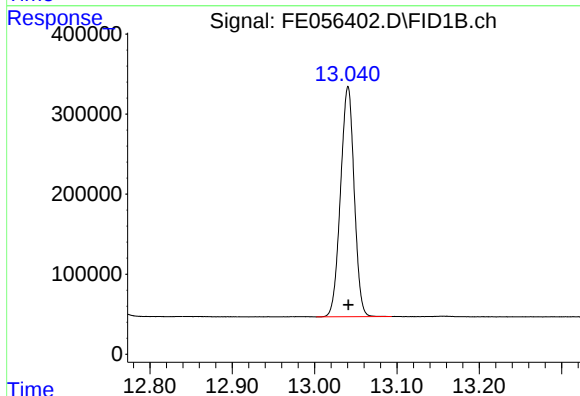
#9 ortho-Terphenyl (SURR)

R.T.: 12.053 min
Delta R.T.: 0.000 min
Response: 3772513
Conc: 18.47 ug/ml

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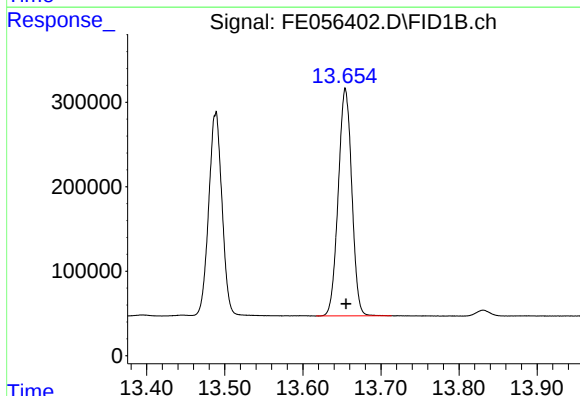
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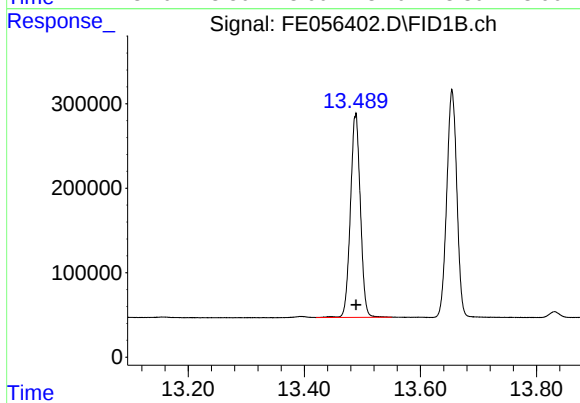
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 3317156
Conc: 18.63 ug/ml



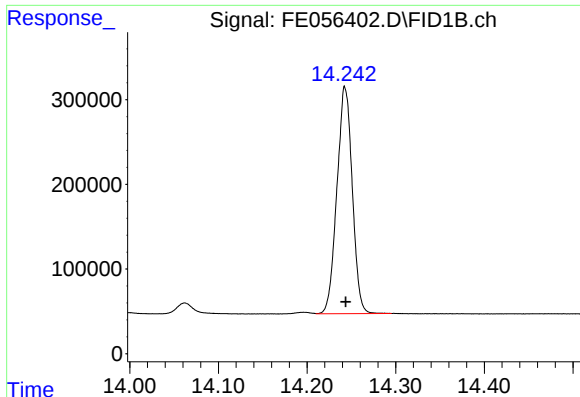
#11 n-Heneicosane (C21)

R.T.: 13.655 min
Delta R.T.: 0.000 min
Response: 3239637
Conc: 18.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.488 min
Delta R.T.: 0.000 min
Response: 2858265
Conc: 18.73 ug/ml



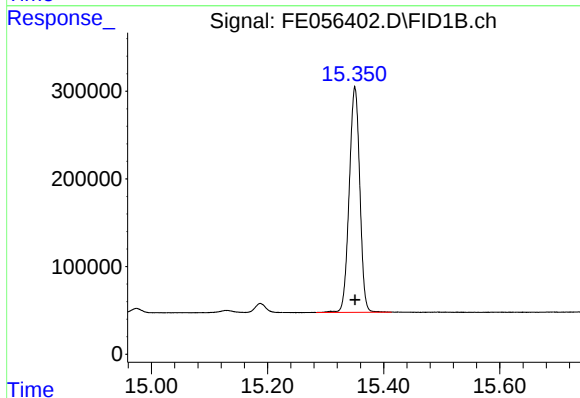
#13 n-Docosane (C22)

R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 3226129
Conc: 18.23 ug/ml

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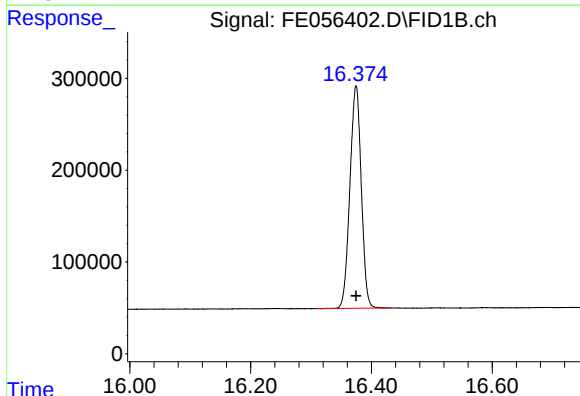
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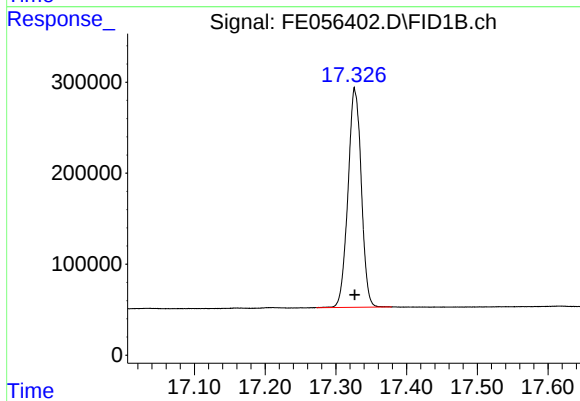
#14 n-Tetracosane (C24)

R.T.: 15.350 min
Delta R.T.: 0.000 min
Response: 3252419
Conc: 17.88 ug/ml



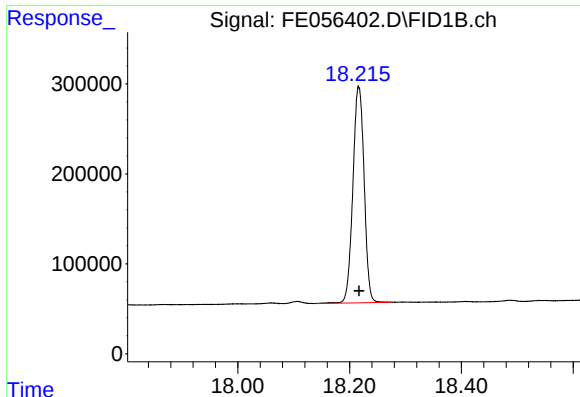
#15 n-Hexacosane (C26)

R.T.: 16.375 min
Delta R.T.: 0.000 min
Response: 3167639
Conc: 17.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.326 min
Delta R.T.: 0.000 min
Response: 3147364
Conc: 17.69 ug/ml m



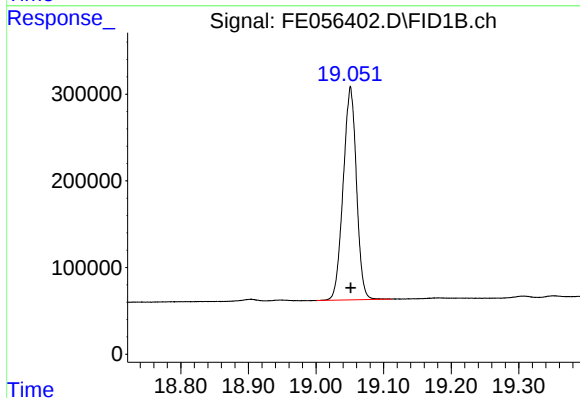
#17 n-Tricontane (C30)

R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 3357936
Conc: 18.49 ug/ml

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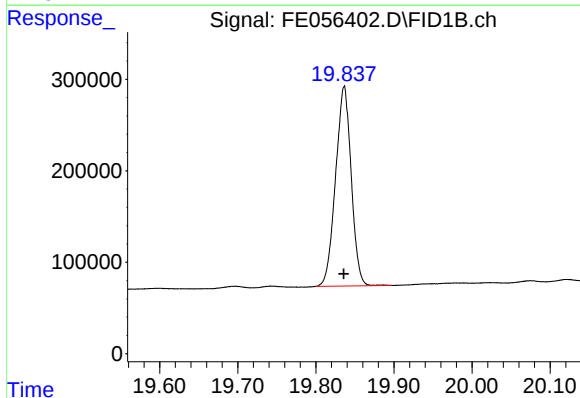
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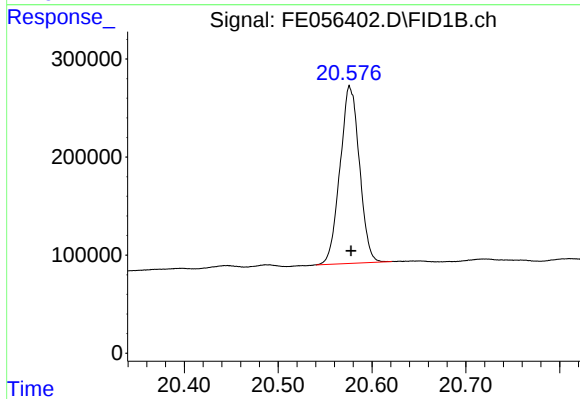
#18 n-Dotriacontane (C32)

R.T.: 19.051 min
Delta R.T.: 0.000 min
Response: 3358121
Conc: 19.05 ug/ml



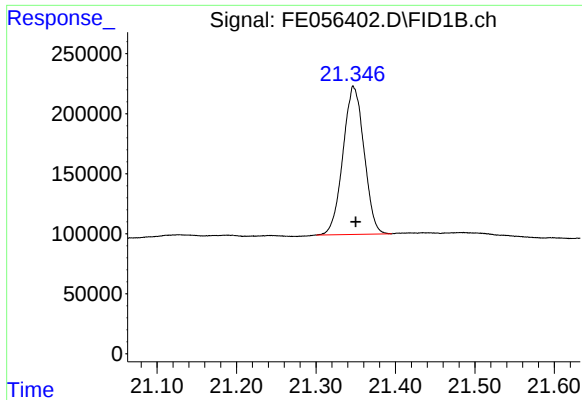
#19 n-Tetratriacontane (C34)

R.T.: 19.836 min
Delta R.T.: 0.000 min
Response: 3037142
Conc: 19.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.576 min
Delta R.T.: -0.002 min
Response: 2592875
Conc: 20.75 ug/ml m



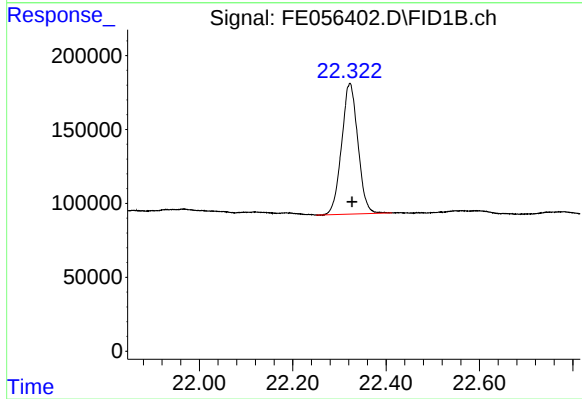
#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: -0.002 min
Response: 2272114
Conc: 21.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.322 min
Delta R.T.: -0.005 min
Response: 2134520
Conc: 23.52 ug/ml