

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102425AL\
 Data File : FE056478.D
 Signal(s) : FID1B.ch
 Acq On : 24 Oct 2025 07:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File: autoint1.e
 Quant Time: Oct 25 00:27:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 24 08:17:58 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)	12.019	3390854	16.598 ug/ml
Spiked Amount 50.000		Recovery =	33.20%
12) S 1-chlorooctadecane (S...	13.458	2540620	16.651 ug/ml
Spiked Amount 50.000		Recovery =	33.30%
Target Compounds			
1) T n-Nonane (C9)	3.370	2693925	16.527 ug/ml
2) T n-Decane (C10)	4.623	2901621	17.644 ug/ml
3) T A~Naphthalene (C11.7)	6.339	3031941	17.151 ug/ml
4) T n-Dodecane (C12)	6.797	2967577	17.687 ug/ml
5) T A~2-methylnaphthalene...	7.439	2907009	17.446 ug/ml
6) T n-Tetradecane (C14)	8.633	2928171	17.625 ug/ml
7) T n-Hexadecane (C16)	10.247	3031772	17.329 ug/ml
8) T n-Octadecane (C18)	11.695	3098782	16.988 ug/ml
10) T n-Eicosane (C20)	13.010	2977043	16.720 ug/ml
11) T n-Heneicosane (C21)	13.625	2911306	16.593 ug/ml
13) T n-Docosane (C22)	14.212	2923481	16.516 ug/ml
14) T n-Tetracosane (C24)	15.319	2907129	15.979 ug/ml
15) T n-Hexacosane (C26)	16.343	2819814	15.709 ug/ml
16) T n-Octacosane (C28)	17.296	2770099	15.571 ug/mlm
17) T n-Tricontane (C30)	18.186	2893610	15.937 ug/ml
18) T n-Dotriacontane (C32)	19.020	2882709	16.351 ug/ml
19) T n-Tetratriacontane (C34)	19.805	2590123	16.732 ug/ml
20) T n-Hexatriacontane (C36)	20.547	2275462	18.213 ug/ml
21) T n-Octatriacontane (C38)	21.310	2014399	19.280 ug/ml
22) T n-Tetracontane (C40)	22.273	1943637	21.419 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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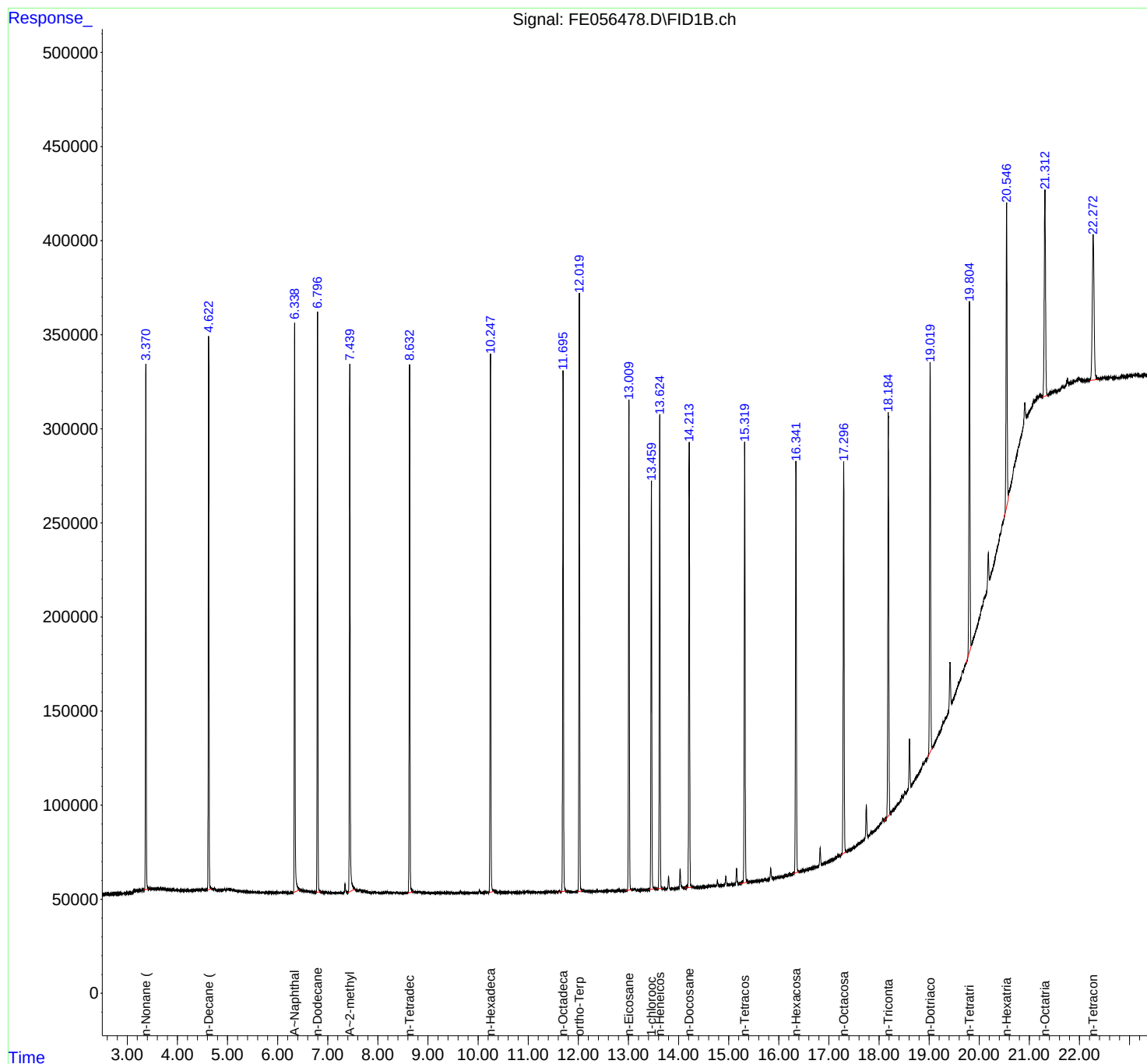
Instrument :
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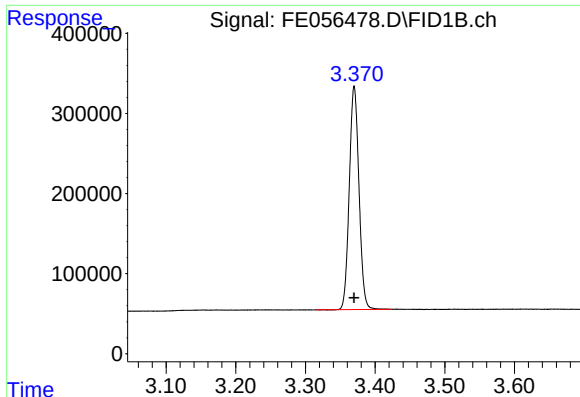
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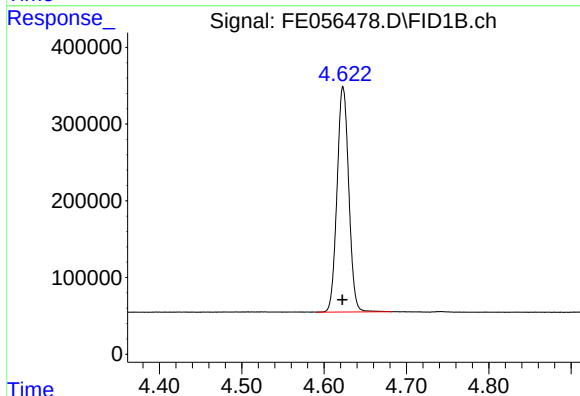
#1 n-Nonane (C9)

R.T.: 3.370 min
Delta R.T.: 0.000 min
Response: 2693925
Conc: 16.53 ug/ml

Instrument :
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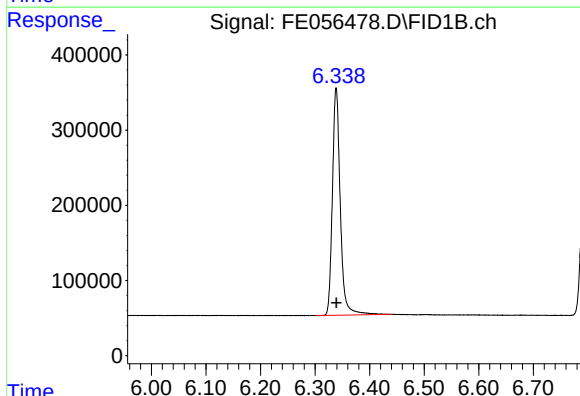
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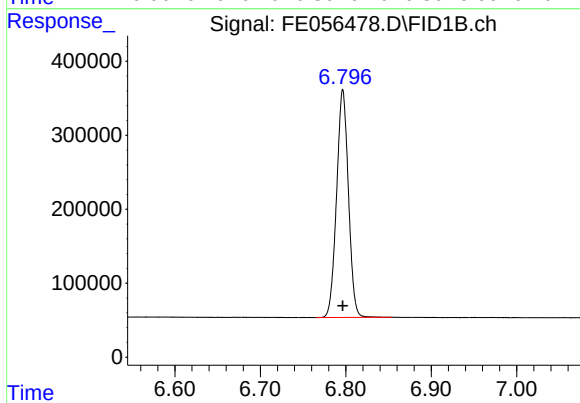
#2 n-Decane (C10)

R.T.: 4.623 min
Delta R.T.: 0.000 min
Response: 2901621
Conc: 17.64 ug/ml



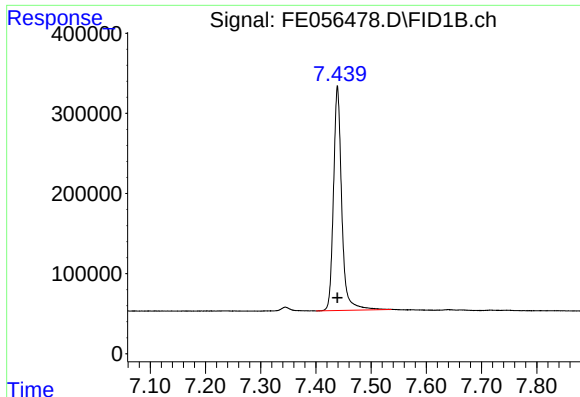
#3 A~Naphthalene (C11.7)

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 3031941
Conc: 17.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 2967577
Conc: 17.69 ug/ml



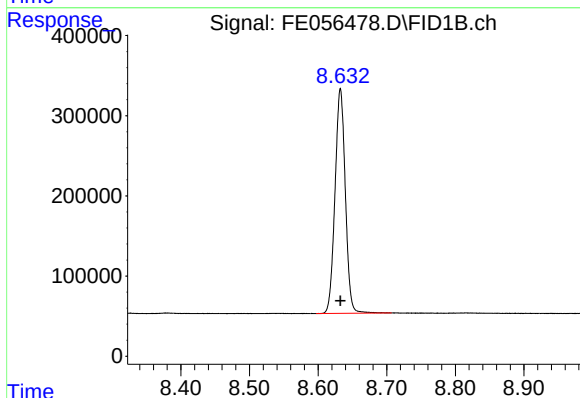
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 2907009
Conc: 17.45 ug/ml

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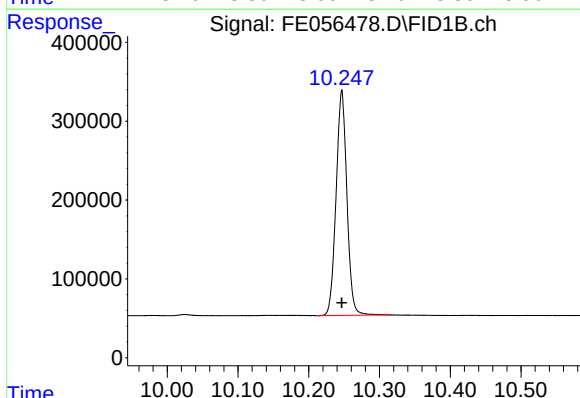
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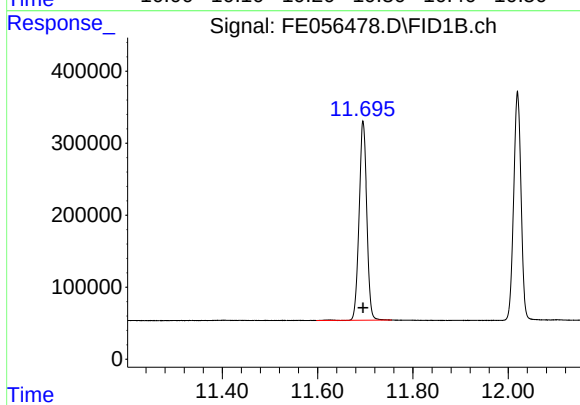
#6 n-Tetradecane (C14)

R.T.: 8.633 min
Delta R.T.: 0.000 min
Response: 2928171
Conc: 17.63 ug/ml



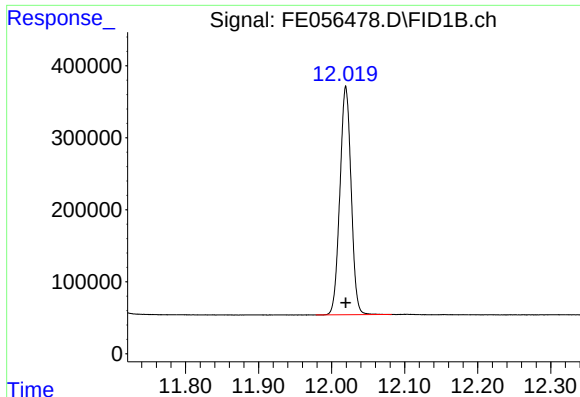
#7 n-Hexadecane (C16)

R.T.: 10.247 min
Delta R.T.: 0.000 min
Response: 3031772
Conc: 17.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.695 min
Delta R.T.: 0.000 min
Response: 3098782
Conc: 16.99 ug/ml



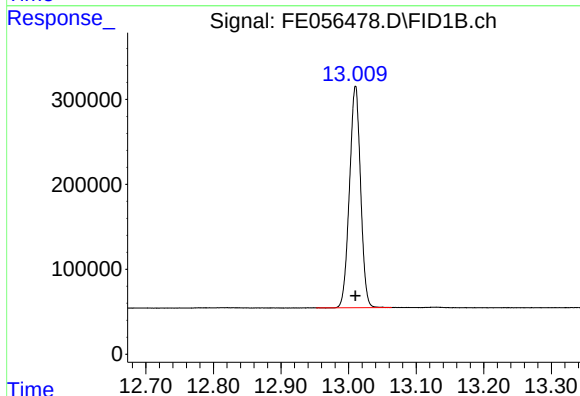
#9 ortho-Terphenyl (SURR)

R.T.: 12.019 min
Delta R.T.: 0.000 min
Response: 3390854
Conc: 16.60 ug/ml

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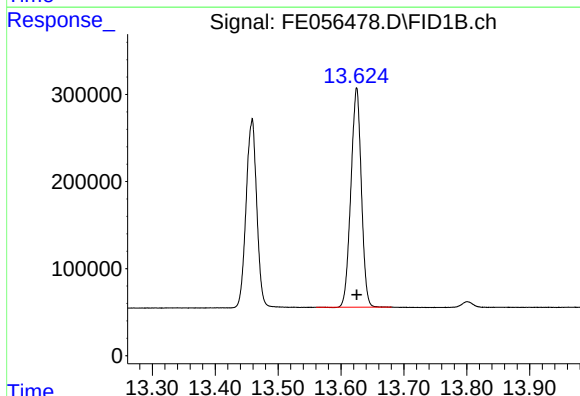
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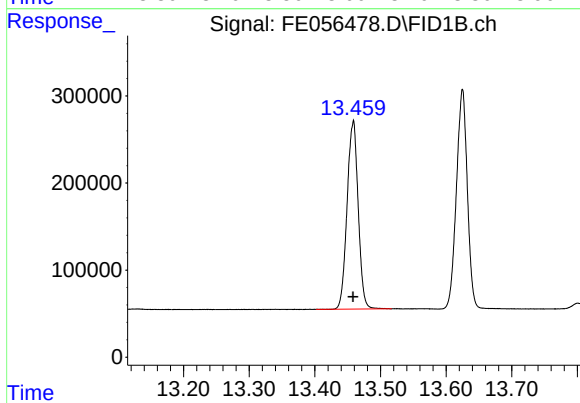
#10 n-Eicosane (C20)

R.T.: 13.010 min
Delta R.T.: 0.000 min
Response: 2977043
Conc: 16.72 ug/ml



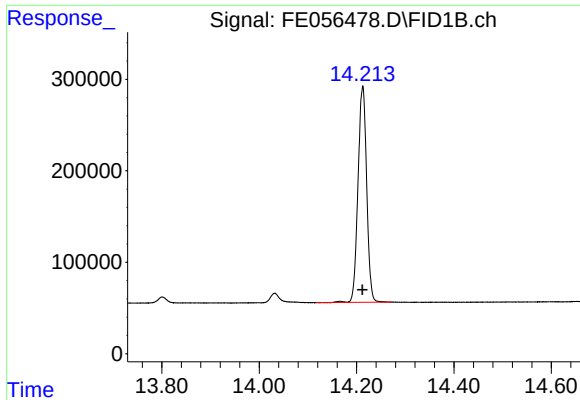
#11 n-Heneicosane (C21)

R.T.: 13.625 min
Delta R.T.: 0.000 min
Response: 2911306
Conc: 16.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.458 min
Delta R.T.: 0.000 min
Response: 2540620
Conc: 16.65 ug/ml



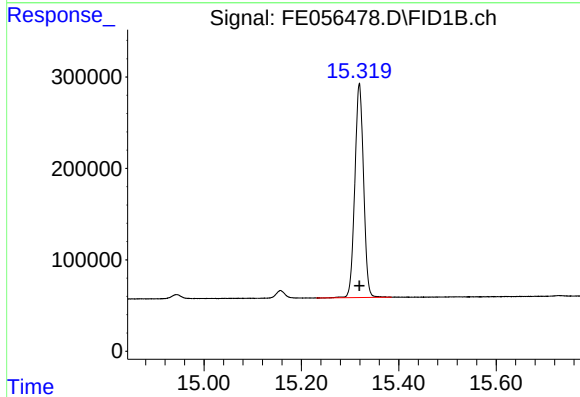
#13 n-Docosane (C22)

R.T.: 14.212 min
Delta R.T.: 0.000 min
Response: 2923481
Conc: 16.52 ug/ml

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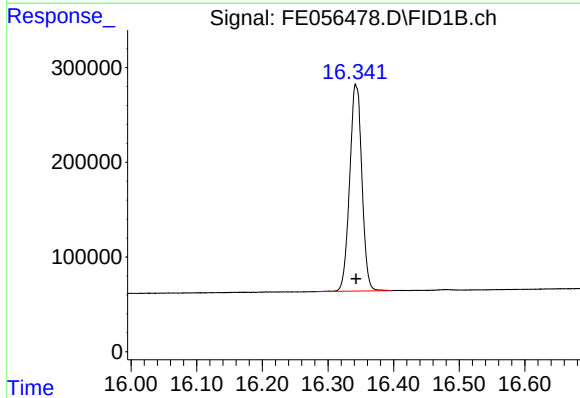
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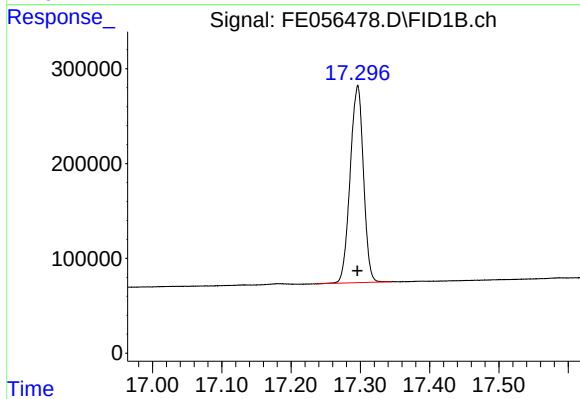
#14 n-Tetracosane (C24)

R.T.: 15.319 min
Delta R.T.: 0.000 min
Response: 2907129
Conc: 15.98 ug/ml



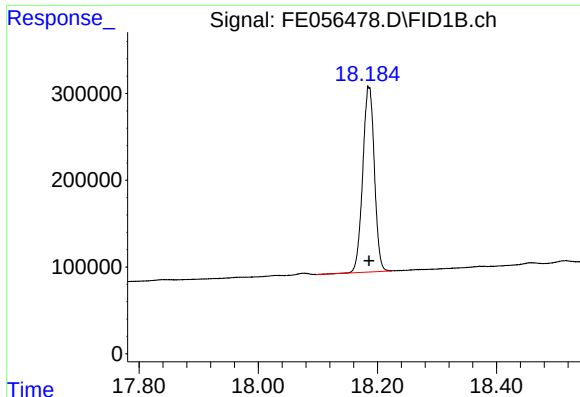
#15 n-Hexacosane (C26)

R.T.: 16.343 min
Delta R.T.: 0.000 min
Response: 2819814
Conc: 15.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.296 min
Delta R.T.: 0.000 min
Response: 2770099
Conc: 15.57 ug/ml m



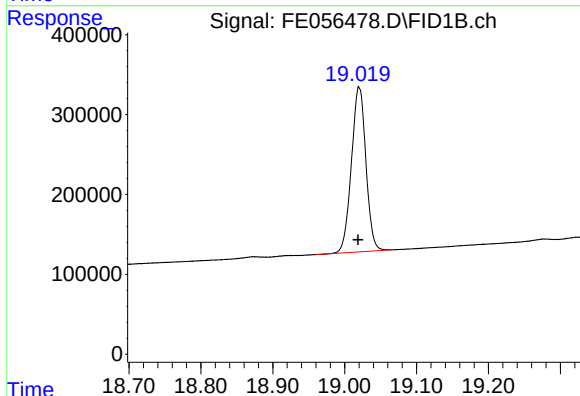
#17 n-Tricontane (C30)

R.T.: 18.186 min
Delta R.T.: 0.000 min
Response: 2893610
Conc: 15.94 ug/ml

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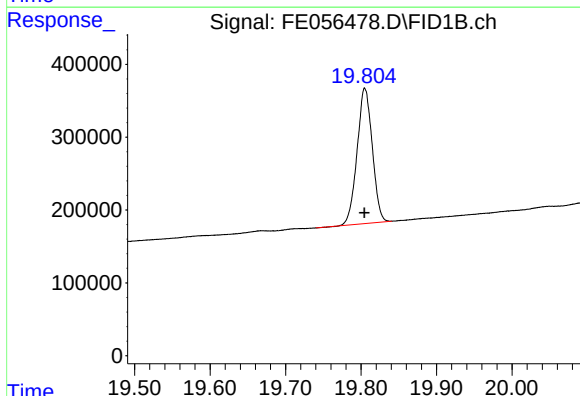
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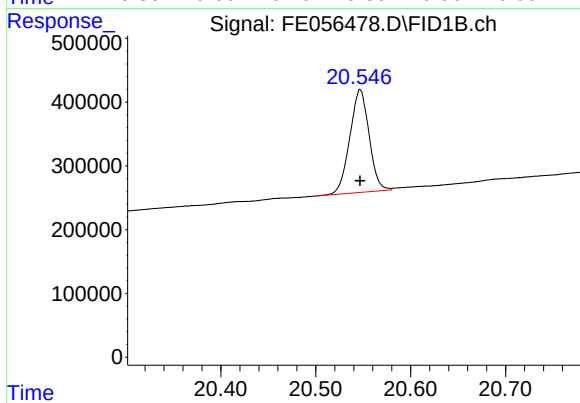
#18 n-Dotriacontane (C32)

R.T.: 19.020 min
Delta R.T.: 0.001 min
Response: 2882709
Conc: 16.35 ug/ml



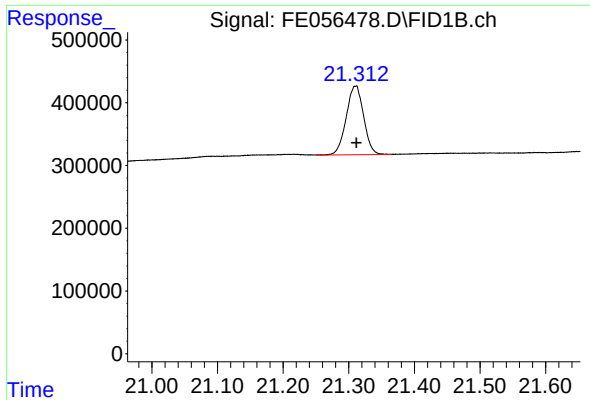
#19 n-Tetratriacontane (C34)

R.T.: 19.805 min
Delta R.T.: 0.000 min
Response: 2590123
Conc: 16.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.547 min
Delta R.T.: 0.000 min
Response: 2275462
Conc: 18.21 ug/ml



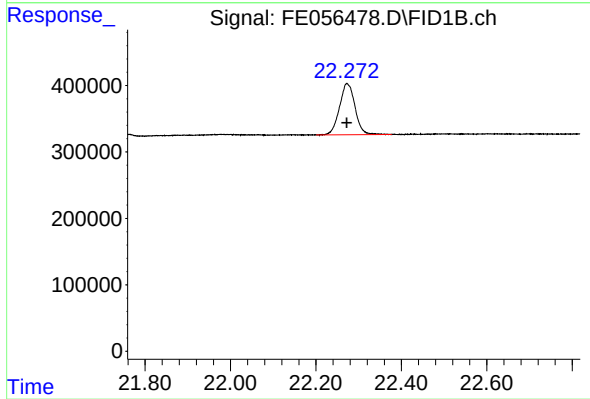
#21 n-Octatriacontane (C38)

R.T.: 21.310 min
Delta R.T.: -0.002 min
Response: 2014399
Conc: 19.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.273 min
Delta R.T.: 0.000 min
Response: 1943637
Conc: 21.42 ug/ml