

Initial Calibration Report for SequenceID : FG102925AL

AreaCount

Parameter Range	FG016852.D	FG016848.D	FG016849.D	FG016850.D	FG016851.D	
Aliphatic C9-C12	34262467.000	18492584.000	7254295.000	3738287.000	1905143.000	
Aliphatic C12-C16	23563142.000	12790679.000	4920528.000	2484208.000	1213101.000	
Aliphatic C16-C21	36760469.000	20195600.000	7804680.000	4060755.000	2090588.000	
Aliphatic C21-C28	48743388.000	27416427.000	10278435.000	5677486.000	3316302.000	
Aliphatic C28-C40	57463919.000	32655580.000	12432103.000	7187522.000	4228641.000	
Aliphatic EPH	200793385.000	111550870.000	42690041.000	23148258.000	12753775.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	122003.2266662	4.004				
Aliphatic C12-C16	122851.24	3.023				
Aliphatic C16-C21	132396.2526664	4.852				
Aliphatic C21-C28	139034.6585	12.12				
Aliphatic C28-C40	113794.5446664	15.39				
Aliphatic EPH	124878.1566664	9.088				

Concentration

Parameter Range	FG016852.D	FG016848.D	FG016849.D	FG016850.D	FG016851.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FG016852.D	FG016848.D	FG016849.D	FG016850.D	FG016851.D	
Aliphatic C9-C12	114208.223333	123283.893333	120904.916666	124609.566666	127009.533333	
Aliphatic C12-C16	117815.710000	127906.790000	123013.200000	124210.400000	121310.100000	
Aliphatic C16-C21	122534.896666	134637.333333	130078.000000	135358.500000	139372.533333	

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Aliphatic C21-C28	121858.470000	137082.135000	128480.437500	141937.150000	165815.100000	
Aliphatic C28-C40	95773.198333	108851.933333	103600.858333	119792.033333	140954.700000	
Aliphatic EPH	111551.880555	123945.411111	118583.447222	128601.433333	141708.611111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016848.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 14:35
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 29 16:04:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:59:42 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)	12.044	7531998	47.583 ug/ml
Spiked Amount 50.000		Recovery =	95.17%
12) S 1-chlorooctadecane (S...	13.489	5878008	48.019 ug/ml
Spiked Amount 50.000		Recovery =	96.04%
Target Compounds			
1) T n-Nonane (C9)	3.366	6042983	48.496 ug/ml
2) T n-Decane (C10)	4.627	6178483	47.723 ug/ml
3) T A~Naphthalene (C11.7)	6.345	6612393	48.051 ug/ml
4) T n-Dodecane (C12)	6.808	6271118	47.281 ug/ml
5) T A~2-methylnaphthalene...	7.449	6282755	47.791 ug/ml
6) T n-Tetradecane (C14)	8.648	6252076	47.392 ug/ml
7) T n-Hexadecane (C16)	10.267	6538603	47.536 ug/ml
8) T n-Octadecane (C18)	11.721	6790694	47.661 ug/ml
10) T n-Eicosane (C20)	13.040	6721621	47.882 ug/ml
11) T n-Heneicosane (C21)	13.656	6683285	47.957 ug/ml
13) T n-Docosane (C22)	14.246	6759846	48.277 ug/ml
14) T n-Tetracosane (C24)	15.358	6933085	48.923 ug/ml
15) T n-Hexacosane (C26)	16.386	6894790	49.104 ug/ml
16) T n-Octacosane (C28)	17.341	6828706	49.402 ug/ml
17) T n-Tricontane (C30)	18.234	6876786	49.224 ug/ml
18) T n-Dotriacontane (C32)	19.071	6568252	49.320 ug/ml
19) T n-Tetratriacontane (C34)	19.861	5868504	49.848 ug/ml
20) T n-Hexatriacontane (C36)	20.603	4926509	51.501 ug/ml
21) T n-Octatriacontane (C38)	21.381	4376085	53.713 ug/ml
22) T n-Tetracontane (C40)	22.364	4039444	55.069 ug/ml

(f)=RT Delta > 1/2 Window

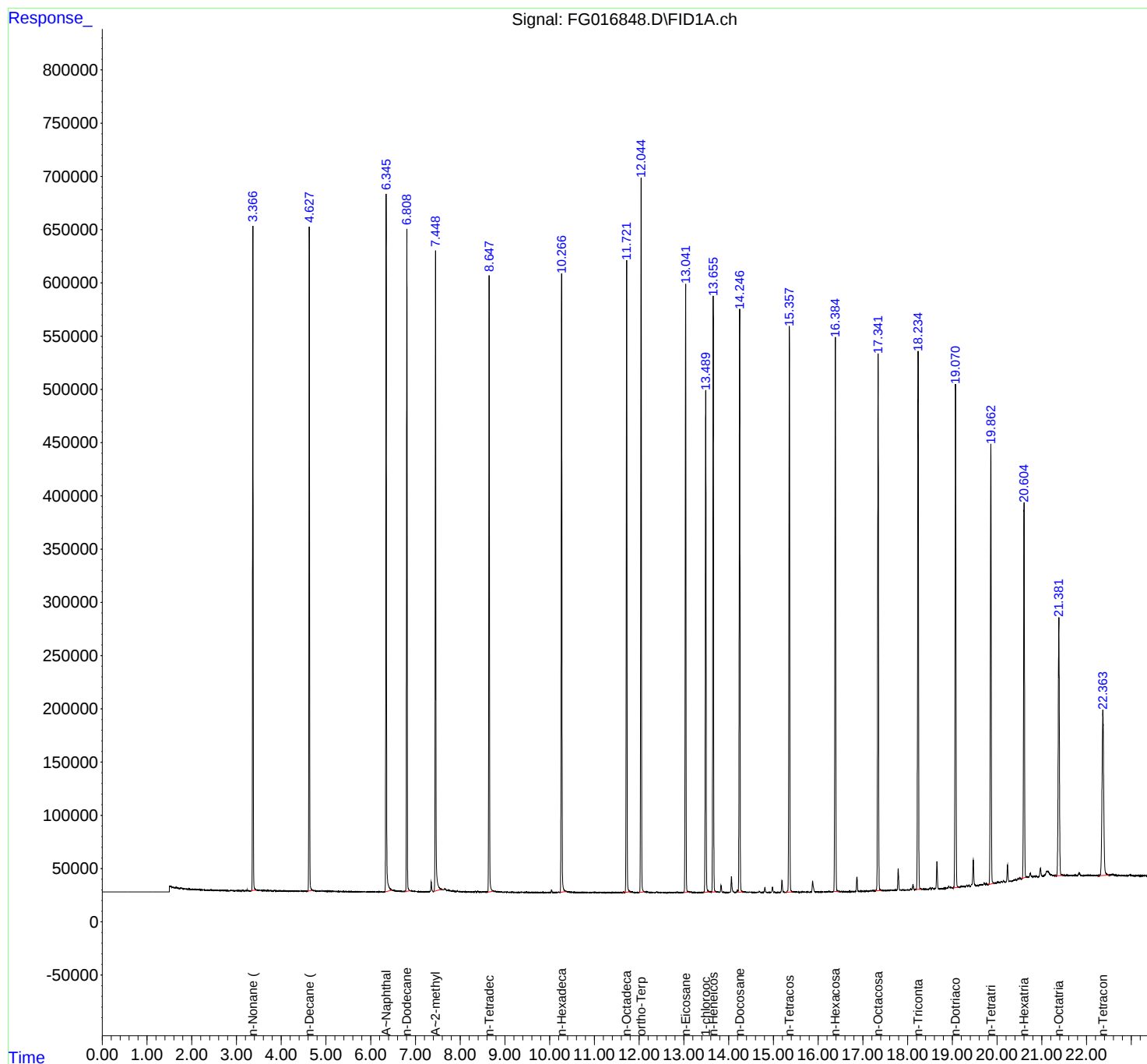
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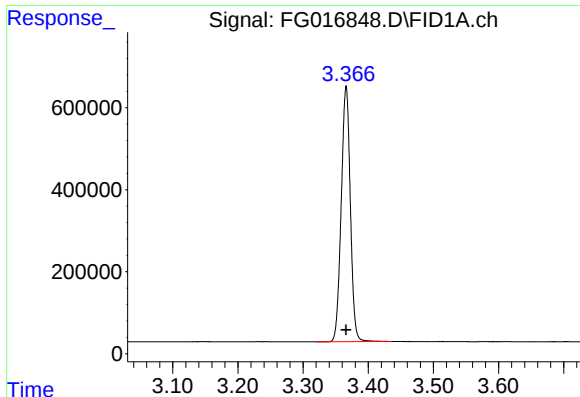
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Data File : FG016848.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 14:35
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

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ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 29 16:04:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:59:42 2025
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Integrator: ChemStation

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

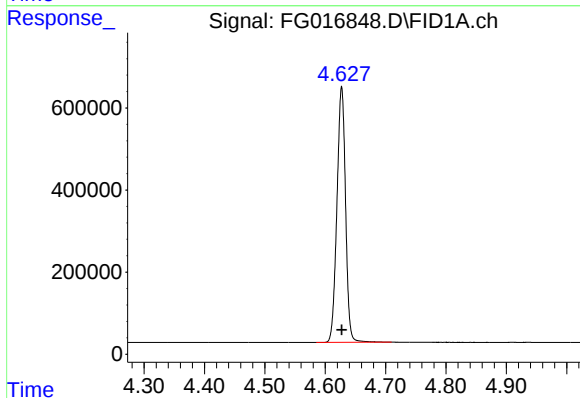




#1 n-Nonane (C9)

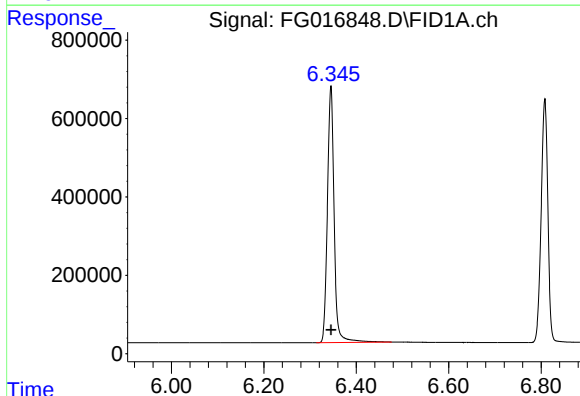
R.T.: 3.366 min
Delta R.T.: 0.000 min
Response: 6042983
Conc: 48.50 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



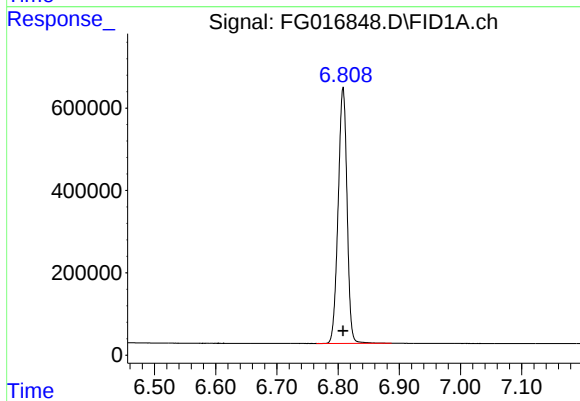
#2 n-Decane (C10)

R.T.: 4.627 min
Delta R.T.: 0.000 min
Response: 6178483
Conc: 47.72 ug/ml



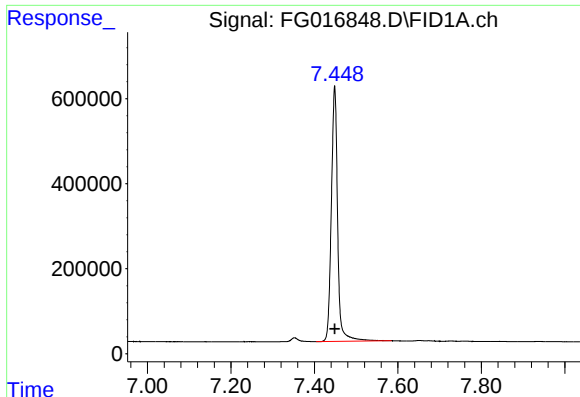
#3 A~Naphthalene (C11.7)

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 6612393
Conc: 48.05 ug/ml



#4 n-Dodecane (C12)

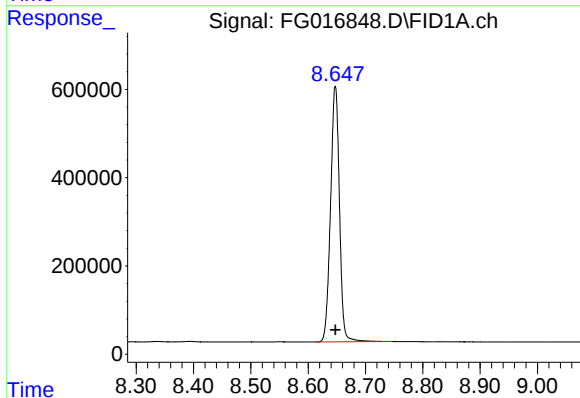
R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 6271118
Conc: 47.28 ug/ml



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

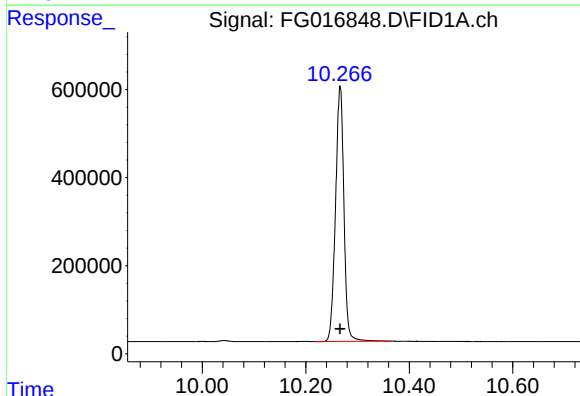
R.T.: 7.449 min
Delta R.T.: 0.000 min
Response: 6282755
Conc: 47.79 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



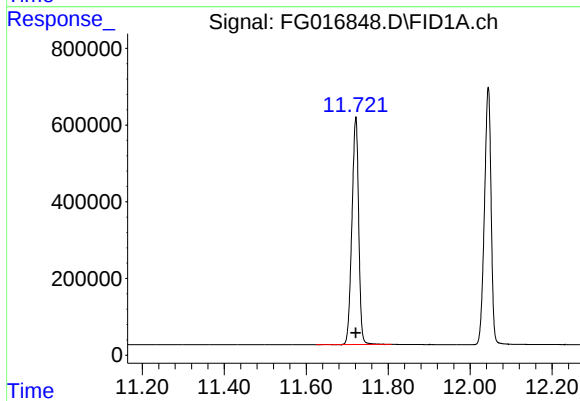
#6 n-Tetradecane (C14)

R.T.: 8.648 min
Delta R.T.: 0.000 min
Response: 6252076
Conc: 47.39 ug/ml



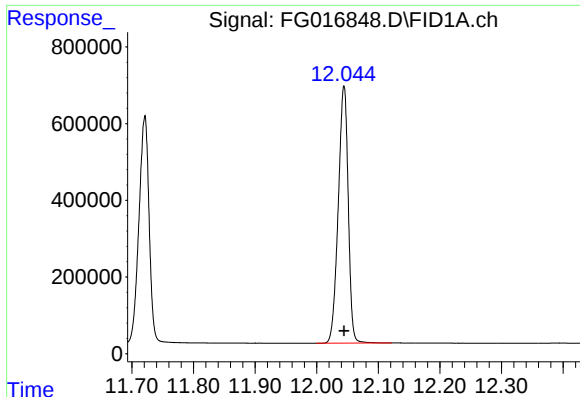
#7 n-Hexadecane (C16)

R.T.: 10.267 min
Delta R.T.: 0.000 min
Response: 6538603
Conc: 47.54 ug/ml



#8 n-Octadecane (C18)

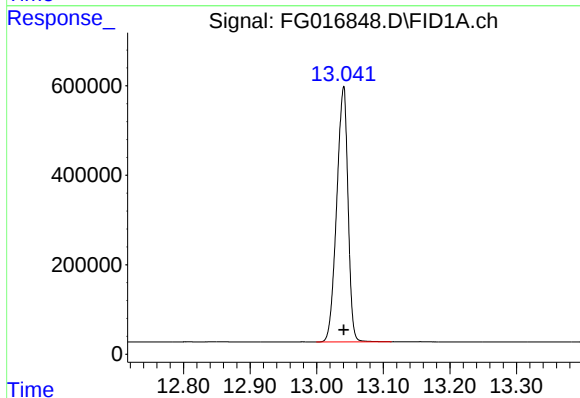
R.T.: 11.721 min
Delta R.T.: 0.000 min
Response: 6790694
Conc: 47.66 ug/ml



#9 ortho-Terphenyl (SURR)

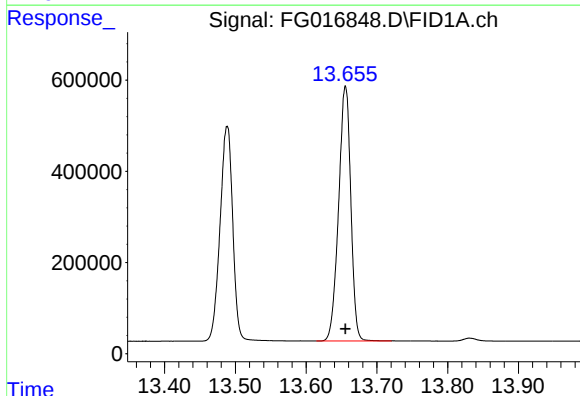
R.T.: 12.044 min
Delta R.T.: 0.000 min
Response: 7531998
Conc: 47.58 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



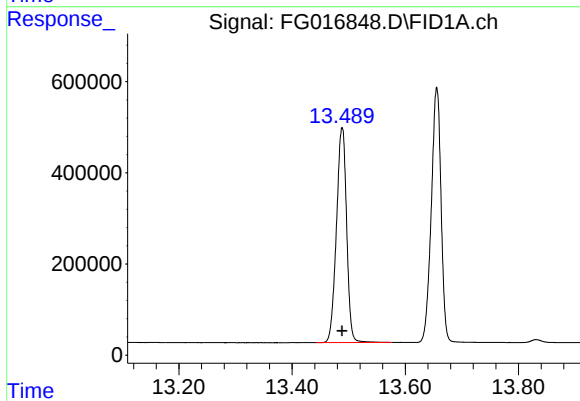
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 6721621
Conc: 47.88 ug/ml



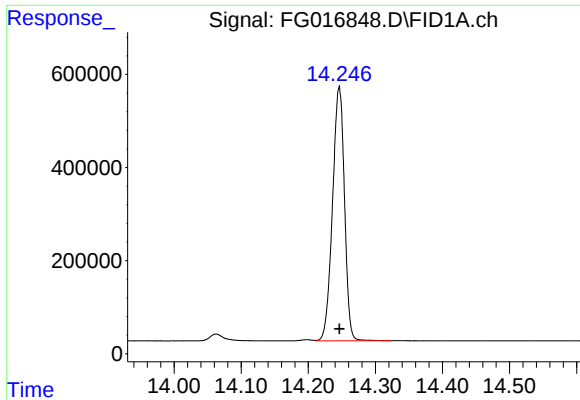
#11 n-Heneicosane (C21)

R.T.: 13.656 min
Delta R.T.: 0.000 min
Response: 6683285
Conc: 47.96 ug/ml



#12 1-chlorooctadecane (SURR)

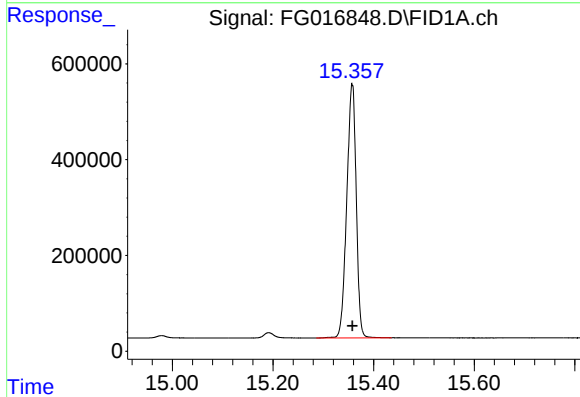
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 5878008
Conc: 48.02 ug/ml



#13 n-Docosane (C22)

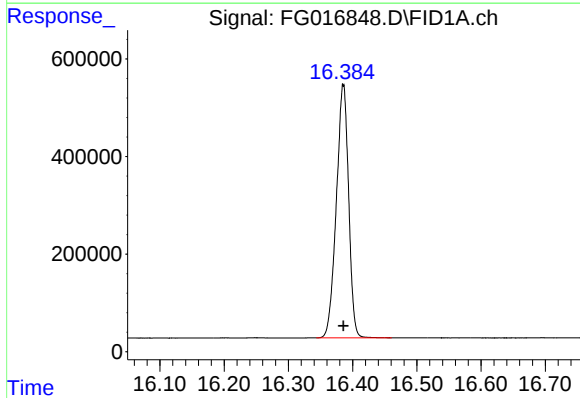
R.T.: 14.246 min
Delta R.T.: 0.000 min
Response: 6759846
Conc: 48.28 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



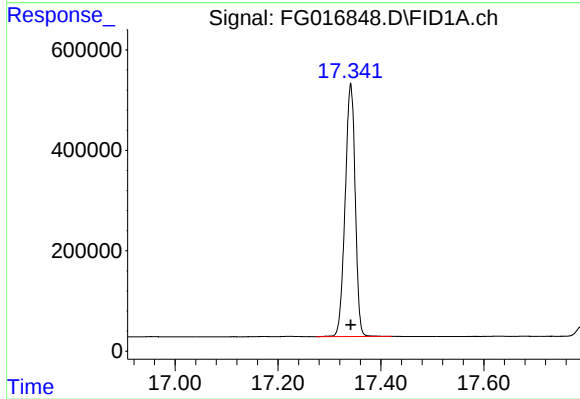
#14 n-Tetracosane (C24)

R.T.: 15.358 min
Delta R.T.: 0.000 min
Response: 6933085
Conc: 48.92 ug/ml



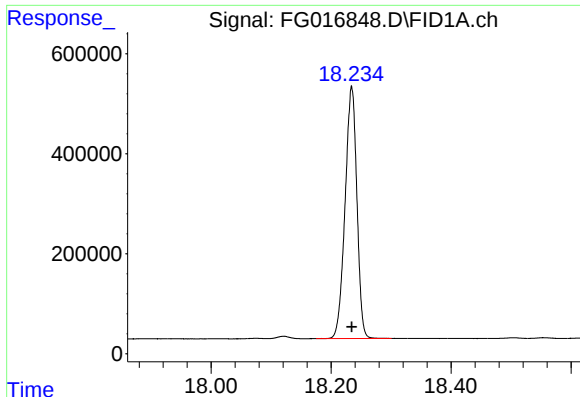
#15 n-Hexacosane (C26)

R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 6894790
Conc: 49.10 ug/ml



#16 n-Octacosane (C28)

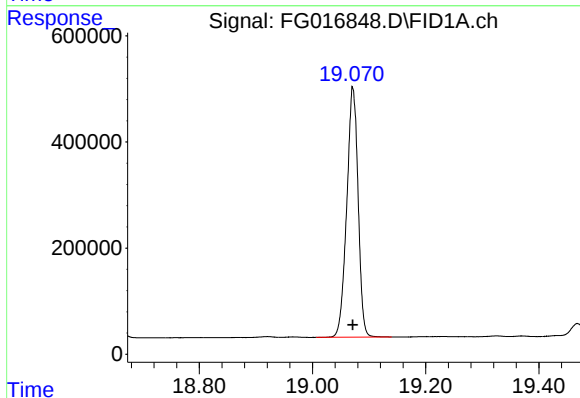
R.T.: 17.341 min
Delta R.T.: 0.000 min
Response: 6828706
Conc: 49.40 ug/ml



#17 n-Tricontane (C30)

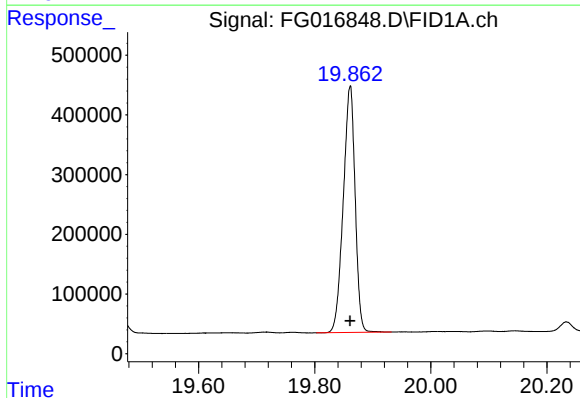
R.T.: 18.234 min
Delta R.T.: 0.000 min
Response: 6876786
Conc: 49.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



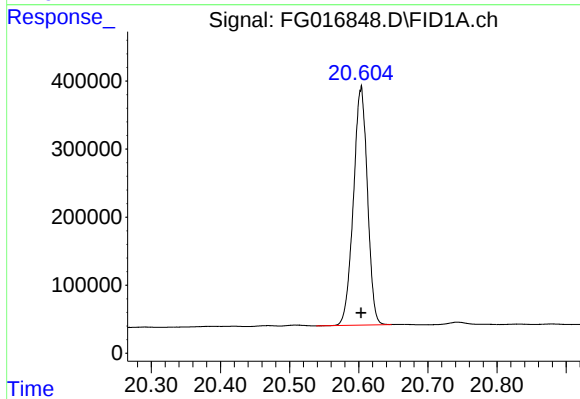
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: 0.000 min
Response: 6568252
Conc: 49.32 ug/ml



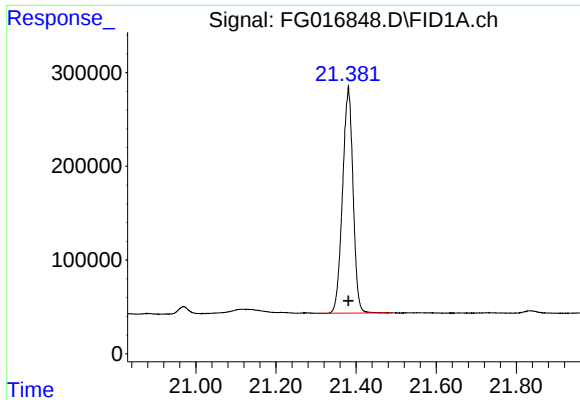
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: 0.000 min
Response: 5868504
Conc: 49.85 ug/ml



#20 n-Hexatriacontane (C36)

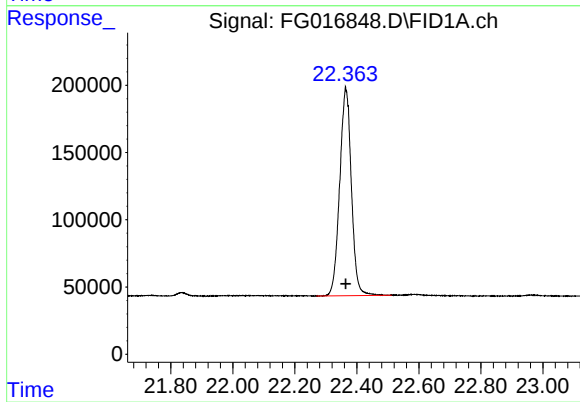
R.T.: 20.603 min
Delta R.T.: 0.000 min
Response: 4926509
Conc: 51.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.381 min
Delta R.T.: 0.000 min
Response: 4376085
Conc: 53.71 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.364 min
Delta R.T.: 0.000 min
Response: 4039444
Conc: 55.07 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016848.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 14:35
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.366	3.320	3.436	BB	623325	6042983	80.23%	4.384%
2	4.627	4.585	4.710	BB	623436	6178483	82.03%	4.482%
3	6.345	6.313	6.477	BB	654988	6612393	87.79%	4.797%
4	6.808	6.764	6.888	BB	621916	6271118	83.26%	4.549%
5	7.449	7.404	7.585	BB	601134	6282755	83.41%	4.557%
6	8.648	8.614	8.746	BB	578718	6252076	83.01%	4.535%
7	10.267	10.220	10.366	BB	579308	6538603	86.81%	4.743%
8	11.721	11.624	11.808	BB	591140	6790694	90.16%	4.926%
9	12.044	11.999	12.122	BB	670846	7531998	100.00%	5.464%
10	13.040	12.999	13.113	BB	571889	6721621	89.24%	4.876%
11	13.489	13.443	13.576	BB	470465	5878008	78.04%	4.264%
12	13.656	13.614	13.721	BB	559258	6683285	88.73%	4.848%
13	14.246	14.212	14.324	VB	544753	6759846	89.75%	4.904%
14	15.358	15.286	15.436	BB	528715	6933085	92.05%	5.029%
15	16.386	16.343	16.461	BB	515581	6894790	91.54%	5.001%
16	17.341	17.274	17.421	BB	504682	6828706	90.66%	4.954%
17	18.234	18.175	18.301	BB	504187	6876786	91.30%	4.988%
18	19.071	19.007	19.140	BB	470108	6568252	87.20%	4.765%
19	19.861	19.803	19.933	BB	412300	5868504	77.91%	4.257%
20	20.603	20.538	20.648	BB	348001	4926509	65.41%	3.574%
21	21.381	21.300	21.489	BB	240649	4376085	58.10%	3.174%
22	22.364	22.269	22.512	BB	155118	4039444	53.63%	2.930%
Sum of corrected areas:						137856024		

Aliphatic EPH 102925.M Thu Oct 30 04:23:48 2025

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 Data File : FG016849.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 15:04
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 29 15:59:56 2025
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2) T n-Decane (C10)	4.626	2424932	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.344	2492344	20.000 ug/ml
4) T n-Dodecane (C12)	6.806	2457097	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.447	2312070	20.000 ug/ml
6) T n-Tetradecane (C14)	8.646	2412151	20.000 ug/ml
7) T n-Hexadecane (C16)	10.263	2508377	20.000 ug/ml
8) T n-Octadecane (C18)	11.717	2624333	20.000 ug/ml
10) T n-Eicosane (C20)	13.036	2598091	20.000 ug/ml
11) T n-Heneicosane (C21)	13.652	2582256	20.000 ug/ml
13) T n-Docosane (C22)	14.242	2582634	20.000 ug/ml
14) T n-Tetracosane (C24)	15.354	2595371	20.000 ug/ml
15) T n-Hexacosane (C26)	16.382	2571602	20.000 ug/ml
16) T n-Octacosane (C28)	17.339	2528828	20.000 ug/ml
17) T n-Tricontane (C30)	18.233	2587123	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.069	2492426	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.858	2248838	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.602	1908352	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.379	1678792	20.000 ug/ml
22) T n-Tetracontane (C40)	22.363	1516572	20.000 ug/ml

(f)=RT Delta > 1/2 Window

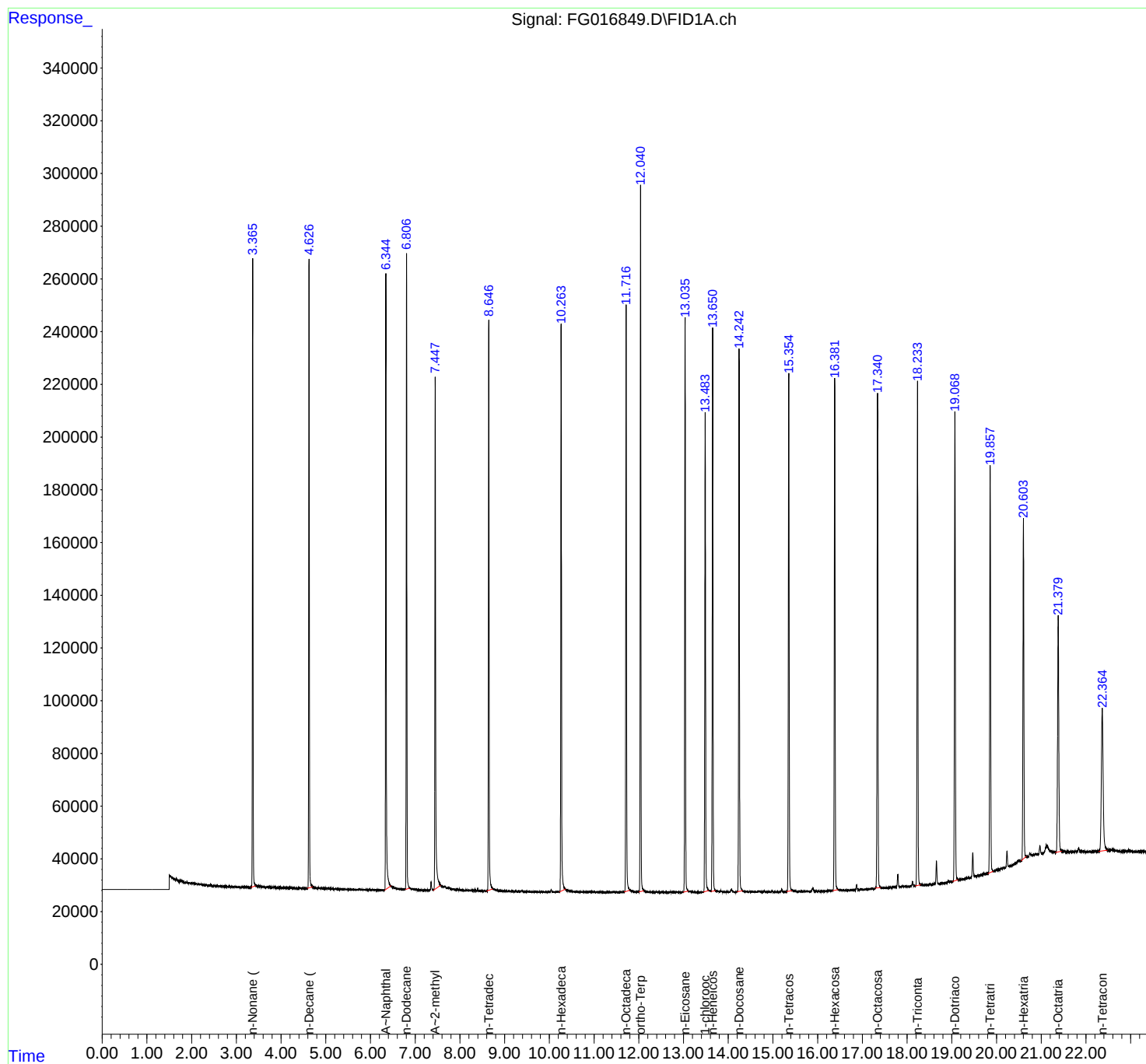
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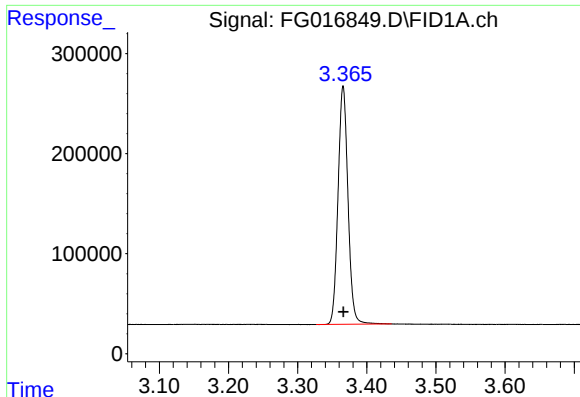
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016849.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 15:04
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId :
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

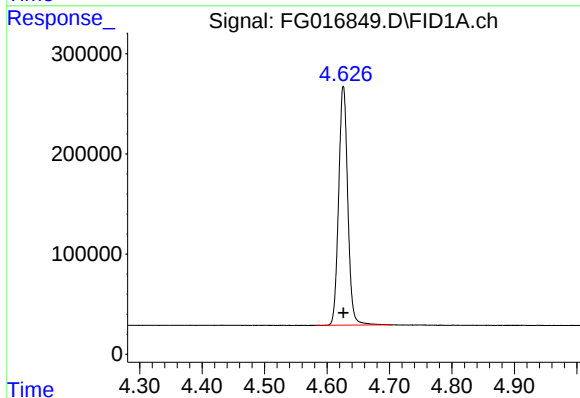




#1 n-Nonane (C9)

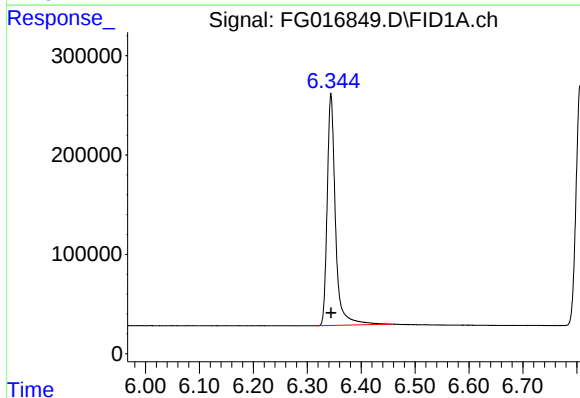
R.T.: 3.366 min
Delta R.T.: 0.000 min
Response: 2372266
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



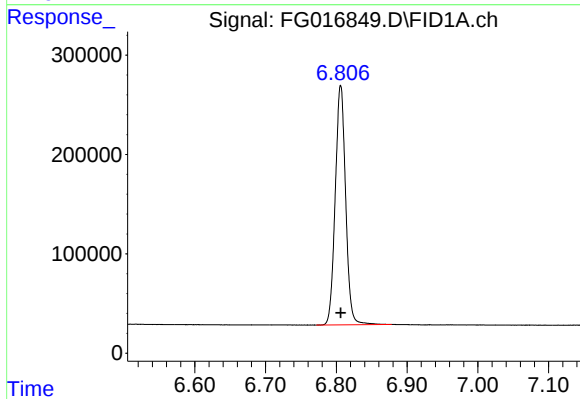
#2 n-Decane (C10)

R.T.: 4.626 min
Delta R.T.: 0.000 min
Response: 2424932
Conc: 20.00 ug/ml



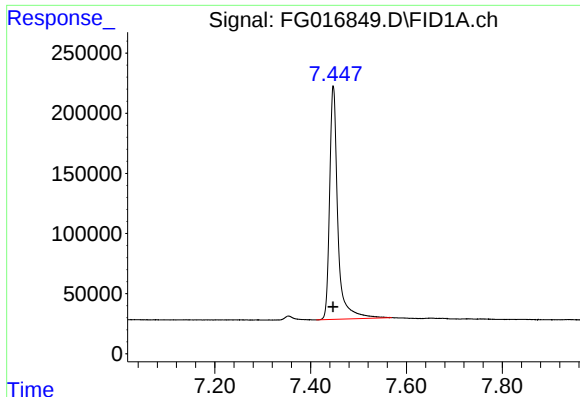
#3 A~Naphthalene (C11.7)

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 2492344
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

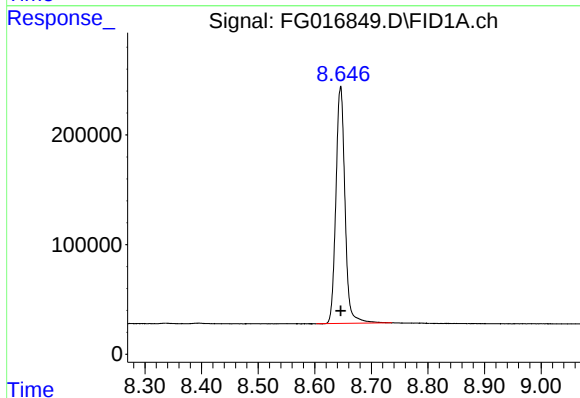
R.T.: 6.806 min
Delta R.T.: 0.000 min
Response: 2457097
Conc: 20.00 ug/ml



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

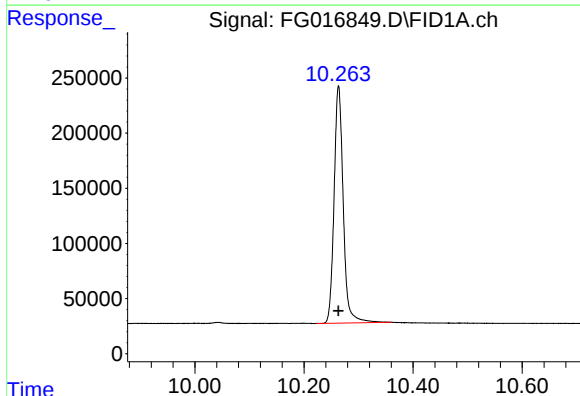
R.T.: 7.447 min
Delta R.T.: 0.000 min
Response: 2312070
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



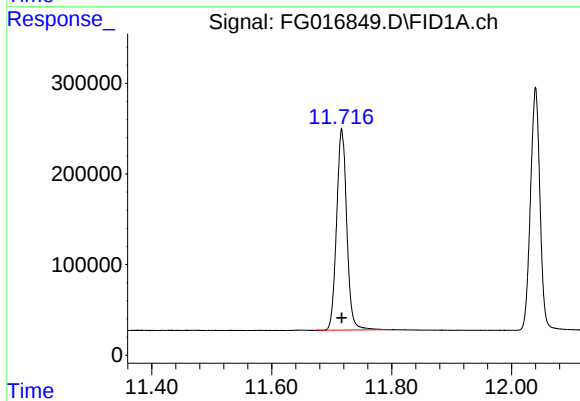
#6 n-Tetradecane (C14)

R.T.: 8.646 min
Delta R.T.: 0.000 min
Response: 2412151
Conc: 20.00 ug/ml



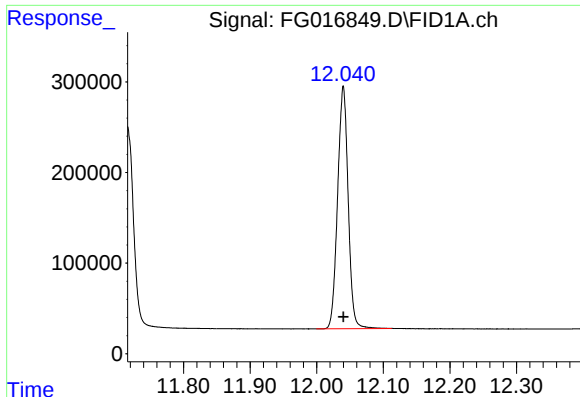
#7 n-Hexadecane (C16)

R.T.: 10.263 min
Delta R.T.: 0.000 min
Response: 2508377
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

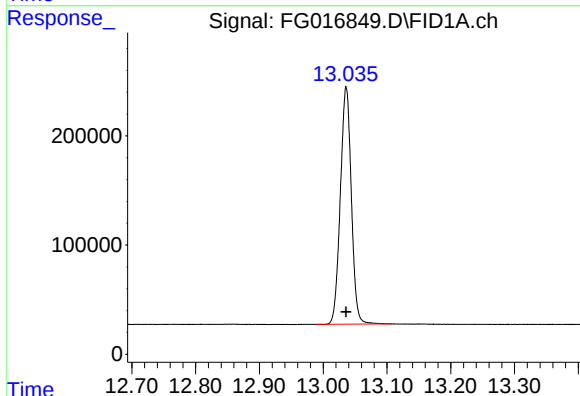
R.T.: 11.717 min
Delta R.T.: 0.000 min
Response: 2624333
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

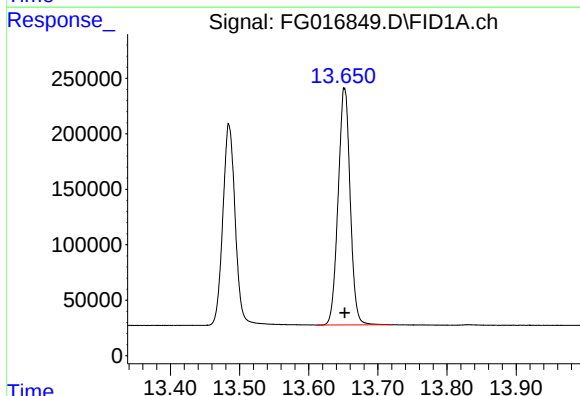
R.T.: 12.040 min
Delta R.T.: 0.000 min
Response: 2941633
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



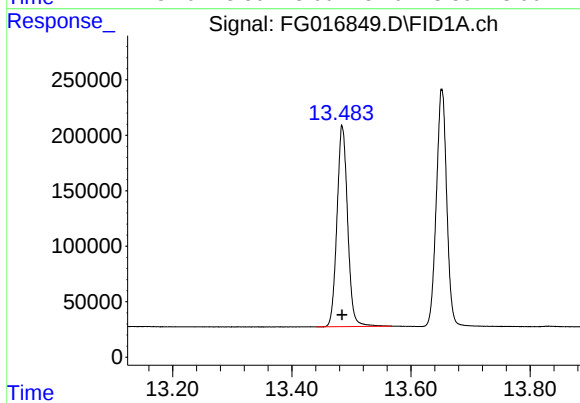
#10 n-Eicosane (C20)

R.T.: 13.036 min
Delta R.T.: 0.000 min
Response: 2598091
Conc: 20.00 ug/ml



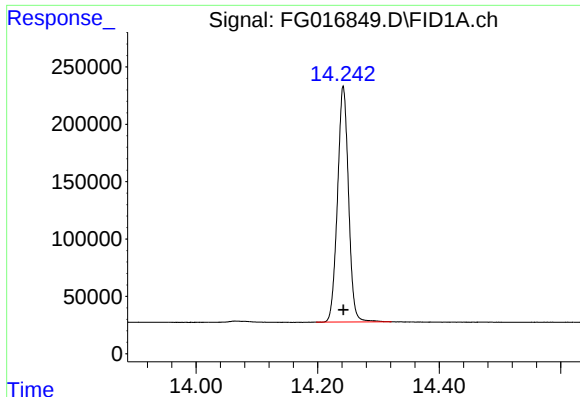
#11 n-Heneicosane (C21)

R.T.: 13.652 min
Delta R.T.: 0.000 min
Response: 2582256
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

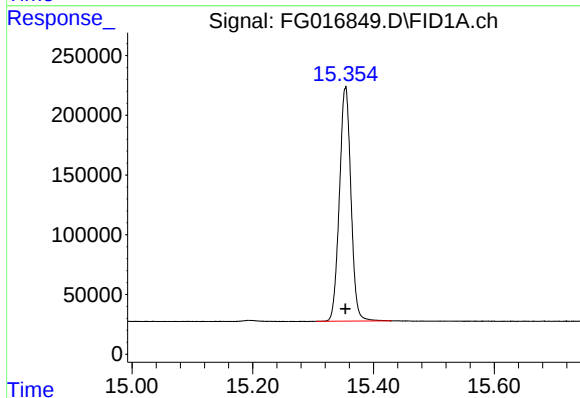
R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 2246048
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

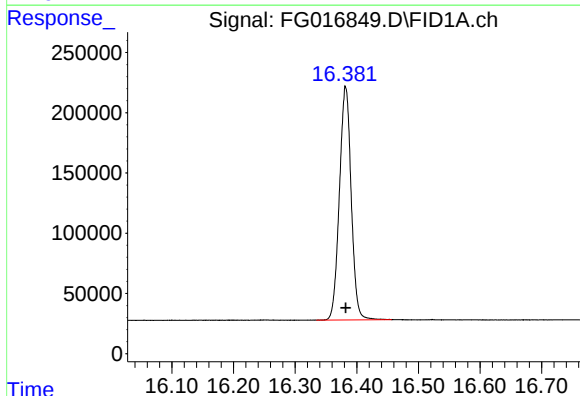
R.T.: 14.242 min
Delta R.T.: 0.000 min
Response: 2582634
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



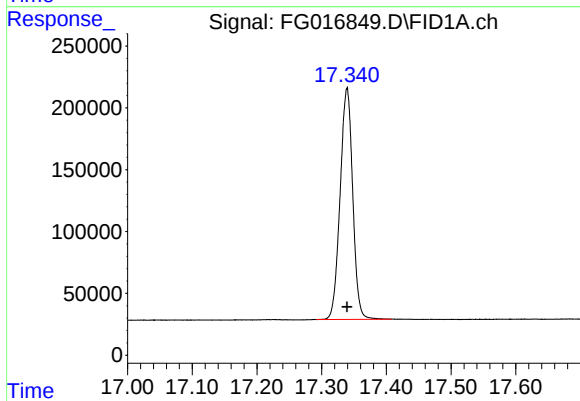
#14 n-Tetracosane (C24)

R.T.: 15.354 min
Delta R.T.: 0.000 min
Response: 2595371
Conc: 20.00 ug/ml



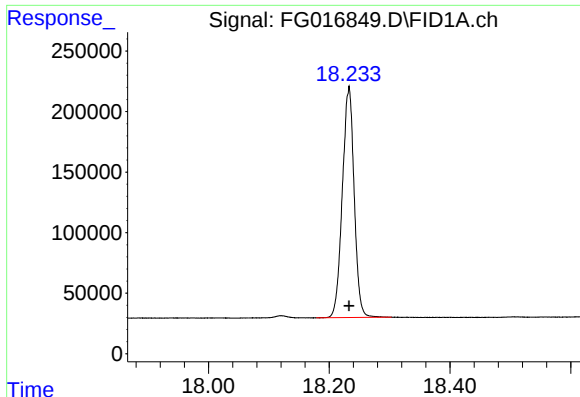
#15 n-Hexacosane (C26)

R.T.: 16.382 min
Delta R.T.: 0.000 min
Response: 2571602
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

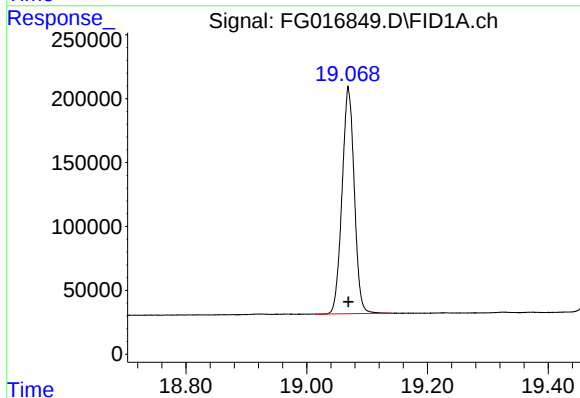
R.T.: 17.339 min
Delta R.T.: 0.000 min
Response: 2528828
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

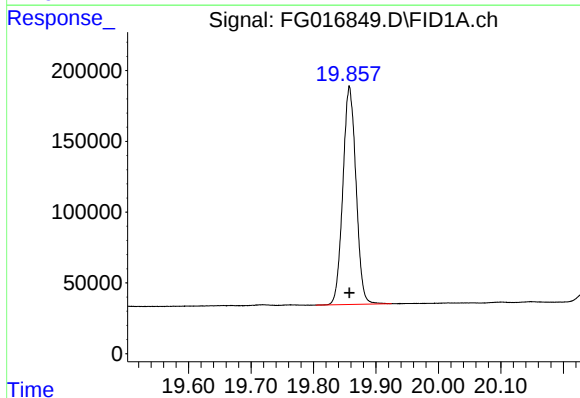
R.T.: 18.233 min
Delta R.T.: 0.000 min
Response: 2587123
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



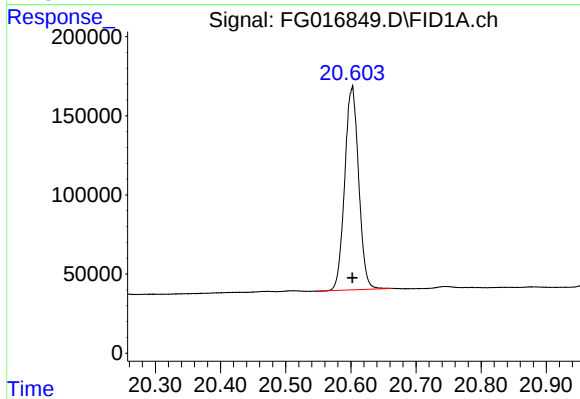
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.000 min
Response: 2492426
Conc: 20.00 ug/ml



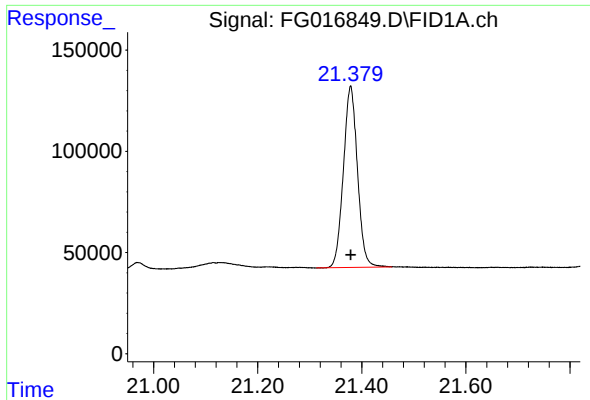
#19 n-Tetratriacontane (C34)

R.T.: 19.858 min
Delta R.T.: 0.000 min
Response: 2248838
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

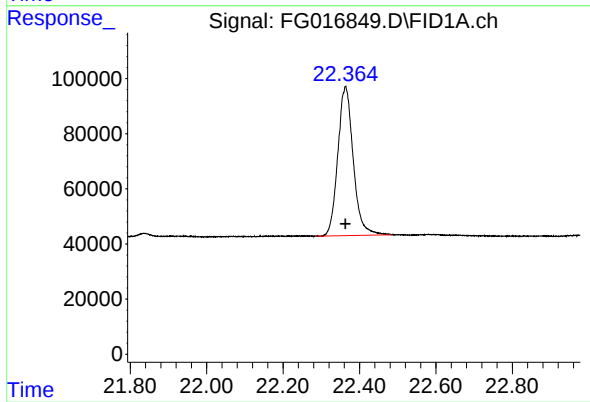
R.T.: 20.602 min
Delta R.T.: 0.000 min
Response: 1908352
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.000 min
Response: 1678792
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.363 min
Delta R.T.: 0.000 min
Response: 1516572
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016849.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 15:04
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.366	3.327	3.436	BB	238274	2372266	80.64%	4.503%
2	4.626	4.583	4.703	BB	238637	2424932	82.43%	4.603%
3	6.344	6.317	6.457	BB	233236	2492344	84.73%	4.731%
4	6.806	6.772	6.878	BB	241132	2457097	83.53%	4.664%
5	7.447	7.412	7.569	BB	193856	2312070	78.60%	4.389%
6	8.646	8.603	8.736	BB	216212	2412151	82.00%	4.579%
7	10.263	10.223	10.361	BB	215133	2508377	85.27%	4.761%
8	11.717	11.674	11.800	BB	222275	2624333	89.21%	4.981%
9	12.040	11.999	12.113	BB	267964	2941633	100.00%	5.584%
10	13.036	12.989	13.108	BB	217473	2598091	88.32%	4.932%
11	13.485	13.441	13.568	BB	180339	2246048	76.35%	4.263%
12	13.652	13.611	13.720	BB	212743	2582256	87.78%	4.902%
13	14.242	14.198	14.322	BB	205649	2582634	87.80%	4.902%
14	15.354	15.305	15.430	BB	195159	2595371	88.23%	4.926%
15	16.382	16.334	16.457	BB	193497	2571602	87.42%	4.881%
16	17.339	17.292	17.408	BB	186749	2528828	85.97%	4.800%
17	18.233	18.178	18.303	BB	190216	2587123	87.95%	4.911%
18	19.069	19.016	19.141	BB	177059	2492426	84.73%	4.731%
19	19.858	19.804	19.925	BB	154267	2248838	76.45%	4.269%
20	20.602	20.547	20.663	BB	128551	1908352	64.87%	3.622%
21	21.379	21.313	21.458	BB	89639	1678792	57.07%	3.187%
22	22.364	22.287	22.484	BB	54089	1516572	51.56%	2.879%
Sum of corrected areas:							52682136	

Aliphatic EPH 102925.M Thu Oct 30 04:25:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016850.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 15:34
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Oct 29 16:07:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:59:42 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)	12.039	1540407	9.797 ug/ml
Spiked Amount 50.000		Recovery =	19.59%
12) S 1-chlorooctadecane (S...	13.484	1159523	9.599 ug/ml
Spiked Amount 50.000		Recovery =	19.20%
Target Compounds			
1) T n-Nonane (C9)	3.365	1227509	9.888 ug/ml
2) T n-Decane (C10)	4.625	1247197	9.722 ug/ml
3) T A~Naphthalene (C11.7)	6.344	1241007	9.245 ug/ml
4) T n-Dodecane (C12)	6.805	1263581	9.641 ug/ml
5) T A~2-methylnaphthalene...	7.448	1107098	8.767 ug/ml
6) T n-Tetradecane (C14)	8.645	1226376	9.463 ug/ml
7) T n-Hexadecane (C16)	10.264	1257832	9.344 ug/ml
8) T n-Octadecane (C18)	11.716	1342945	9.563 ug/ml
10) T n-Eicosane (C20)	13.035	1359854	9.763 ug/ml
11) T n-Heneicosane (C21)	13.650	1357956	9.807 ug/ml
13) T n-Docosane (C22)	14.242	1388013	9.935 ug/ml
14) T n-Tetracosane (C24)	15.353	1422731	10.030 ug/ml
15) T n-Hexacosane (C26)	16.382	1429320	10.134 ug/ml
16) T n-Octacosane (C28)	17.338	1437422	10.296 ug/ml
17) T n-Tricontane (C30)	18.231	1500914	10.548 ug/ml
18) T n-Dotriacontane (C32)	19.069	1477442	10.799 ug/ml
19) T n-Tetratriacontane (C34)	19.859	1305571	10.796 ug/ml
20) T n-Hexatriacontane (C36)	20.601	1079984	10.937 ug/ml
21) T n-Octatriacontane (C38)	21.379	965119	11.323 ug/ml
22) T n-Tetracontane (C40)	22.364	858492	11.226 ug/ml

(f)=RT Delta > 1/2 Window

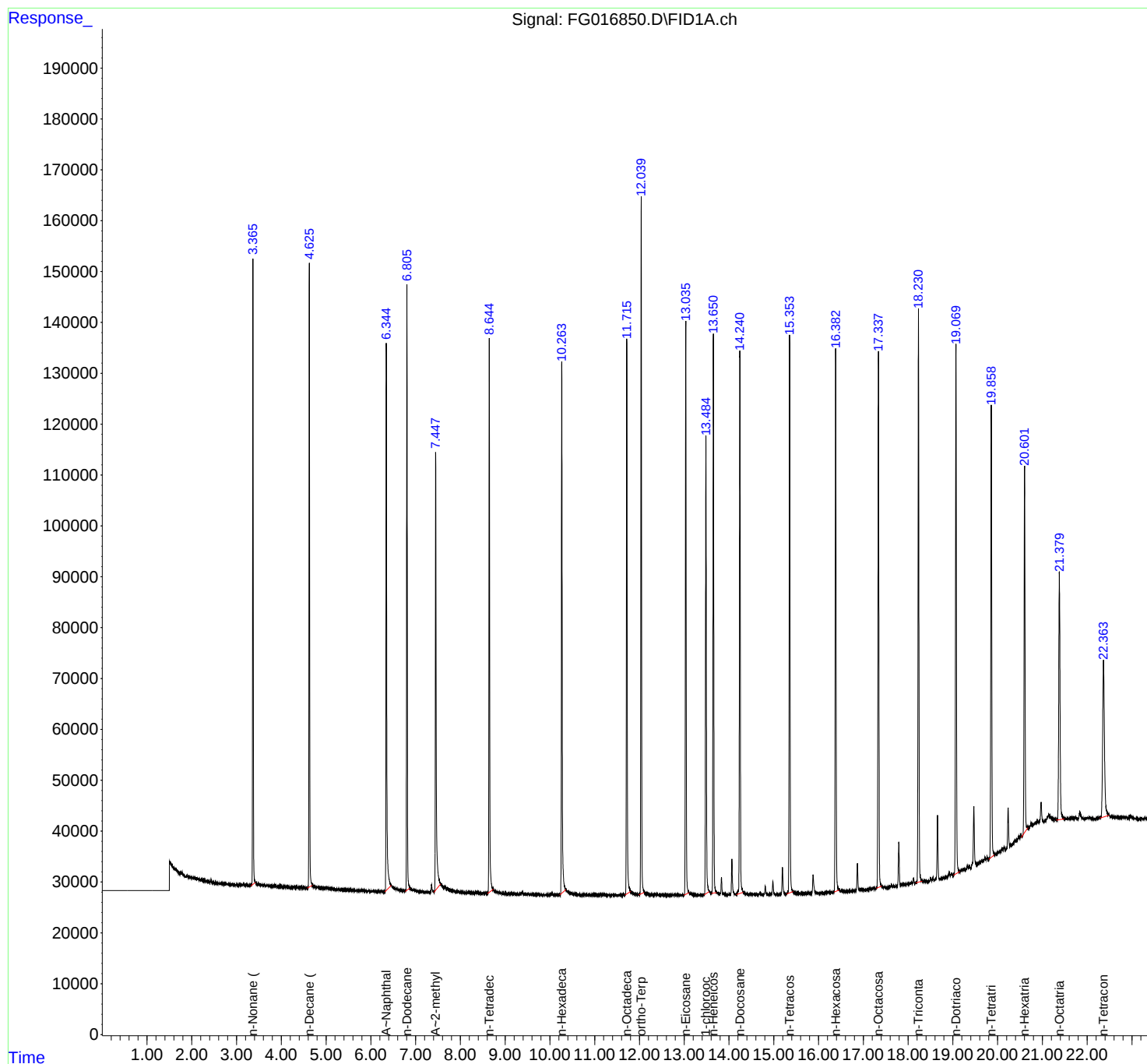
(m)=manual int.

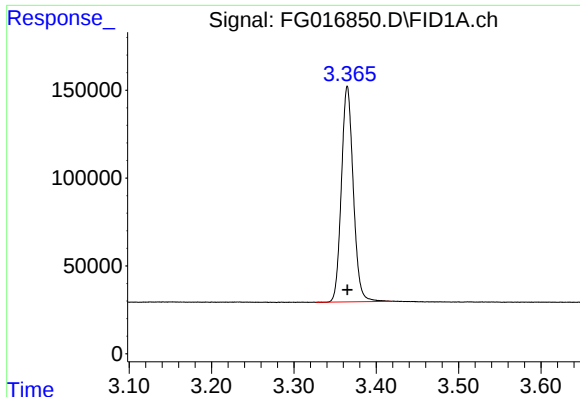
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016850.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 15:34
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 29 16:07:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:59:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

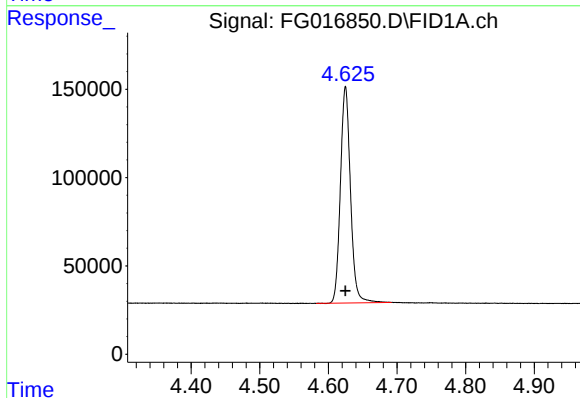




#1 n-Nonane (C9)

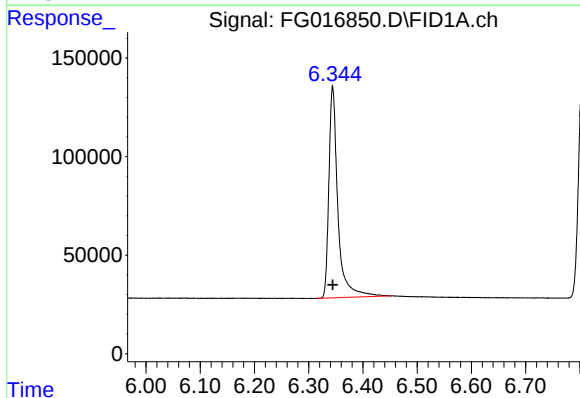
R.T.: 3.365 min
Delta R.T.: 0.000 min
Response: 1227509
Conc: 9.89 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



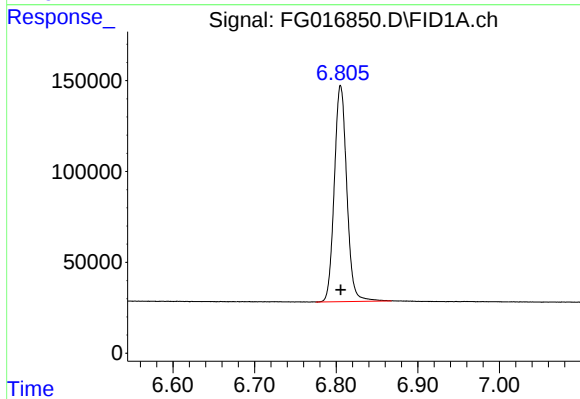
#2 n-Decane (C10)

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 1247197
Conc: 9.72 ug/ml



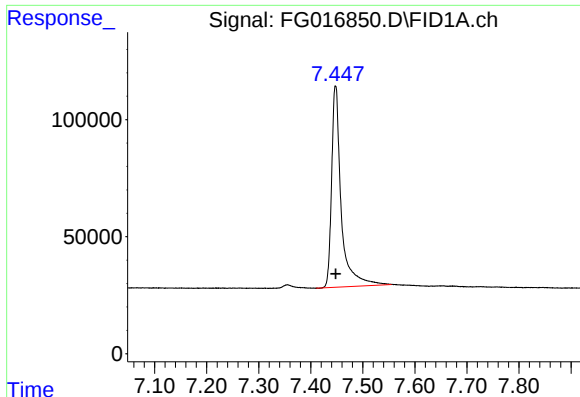
#3 A~Naphthalene (C11.7)

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 1241007
Conc: 9.25 ug/ml



#4 n-Dodecane (C12)

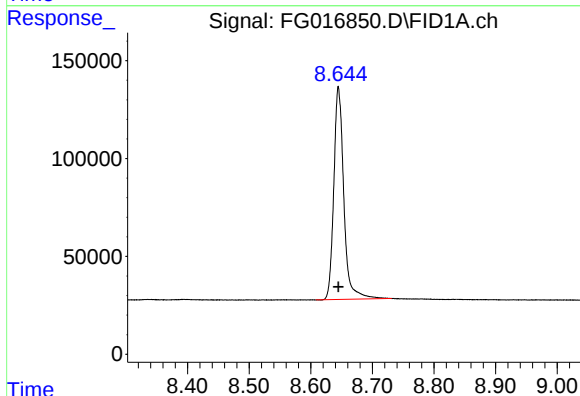
R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 1263581
Conc: 9.64 ug/ml



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

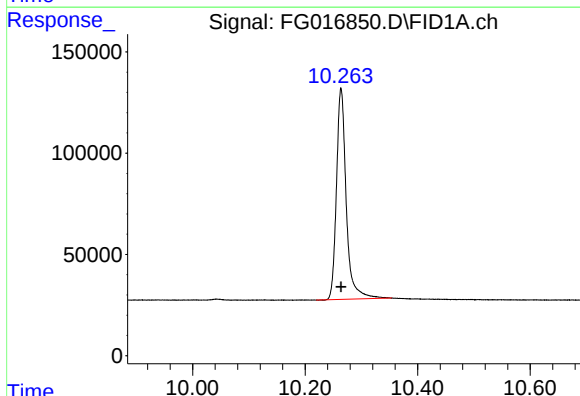
R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 1107098
Conc: 8.77 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



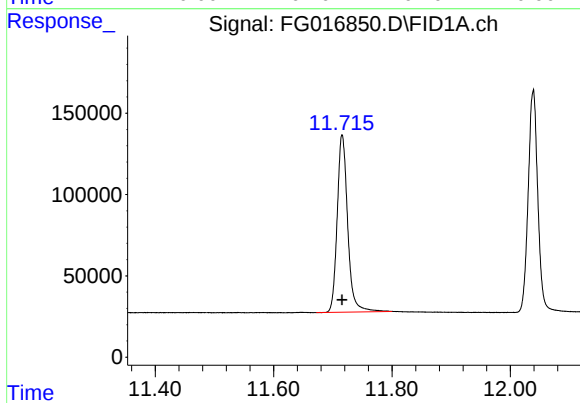
#6 n-Tetradecane (C14)

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 1226376
Conc: 9.46 ug/ml



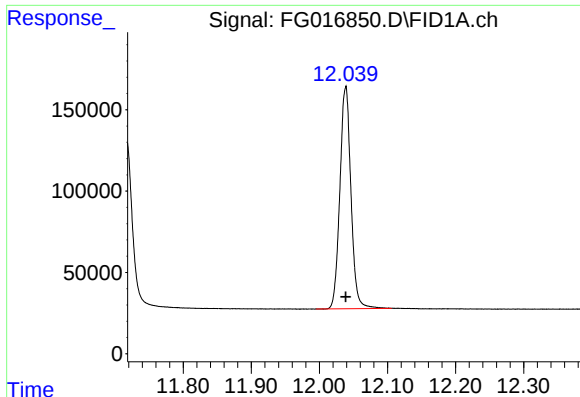
#7 n-Hexadecane (C16)

R.T.: 10.264 min
Delta R.T.: 0.000 min
Response: 1257832
Conc: 9.34 ug/ml



#8 n-Octadecane (C18)

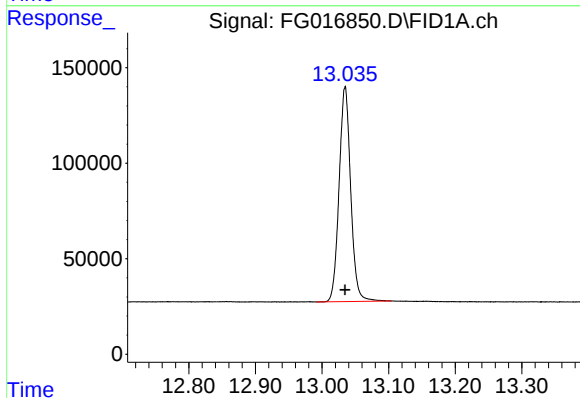
R.T.: 11.716 min
Delta R.T.: 0.000 min
Response: 1342945
Conc: 9.56 ug/ml



#9 ortho-Terphenyl (SURR)

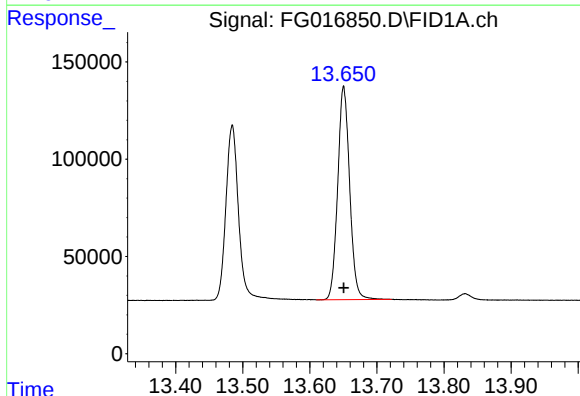
R.T.: 12.039 min
Delta R.T.: 0.000 min
Response: 1540407
Conc: 9.80 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



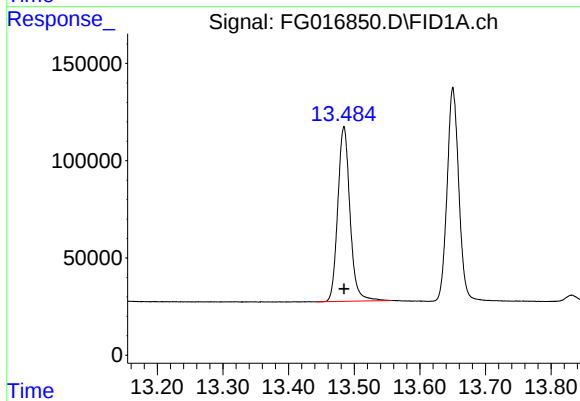
#10 n-Eicosane (C20)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 1359854
Conc: 9.76 ug/ml



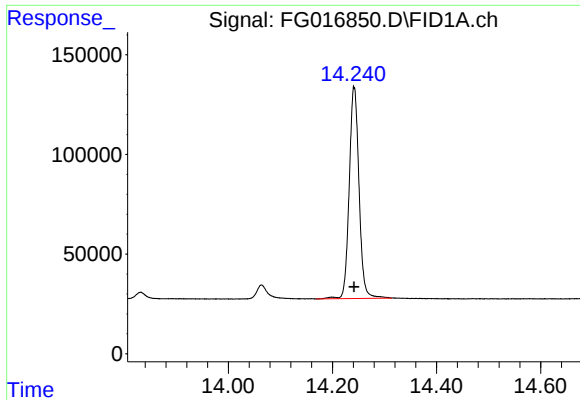
#11 n-Heneicosane (C21)

R.T.: 13.650 min
Delta R.T.: 0.000 min
Response: 1357956
Conc: 9.81 ug/ml



#12 1-chlorooctadecane (SURR)

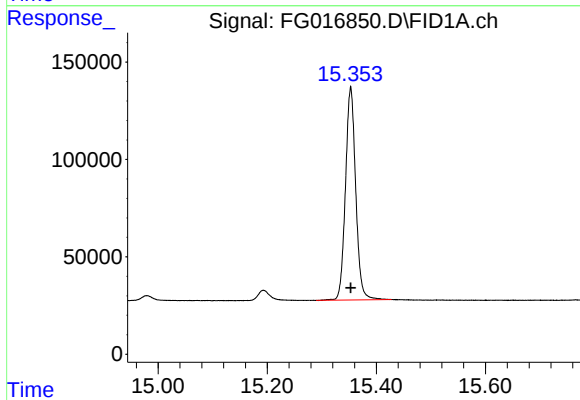
R.T.: 13.484 min
Delta R.T.: 0.000 min
Response: 1159523
Conc: 9.60 ug/ml



#13 n-Docosane (C22)

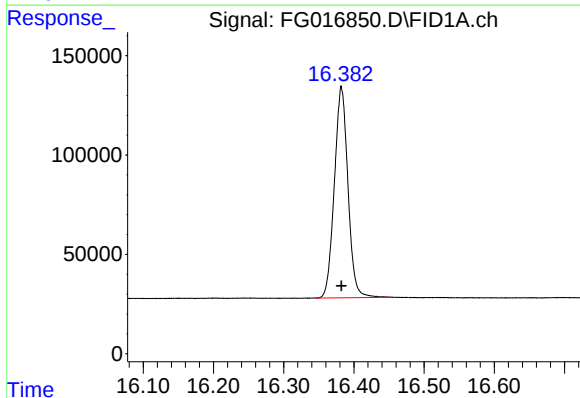
R.T.: 14.242 min
Delta R.T.: 0.000 min
Response: 1388013
Conc: 9.93 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



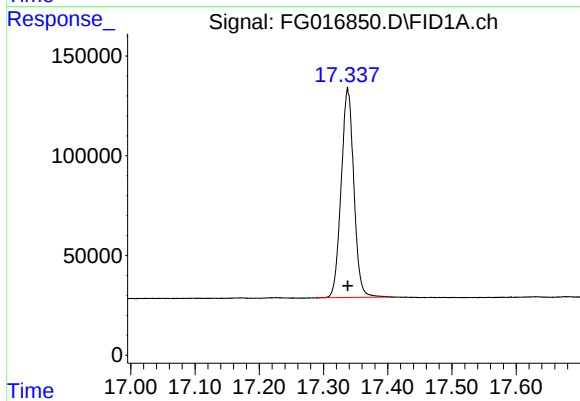
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.000 min
Response: 1422731
Conc: 10.03 ug/ml



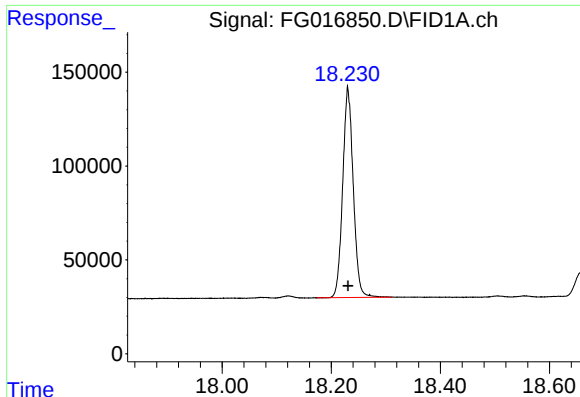
#15 n-Hexacosane (C26)

R.T.: 16.382 min
Delta R.T.: 0.000 min
Response: 1429320
Conc: 10.13 ug/ml



#16 n-Octacosane (C28)

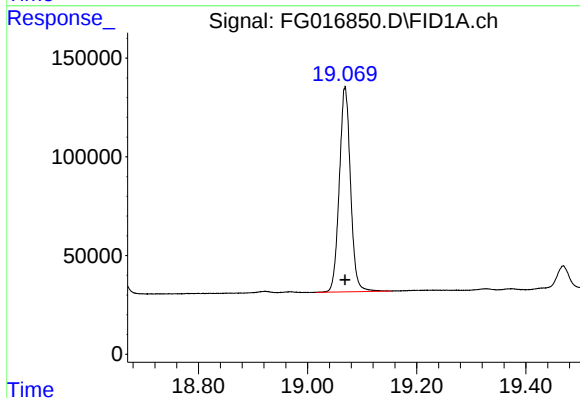
R.T.: 17.338 min
Delta R.T.: 0.000 min
Response: 1437422
Conc: 10.30 ug/ml



#17 n-Tricontane (C30)

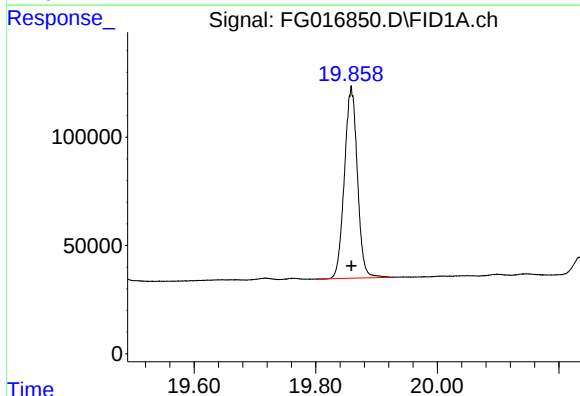
R.T.: 18.231 min
Delta R.T.: 0.000 min
Response: 1500914
Conc: 10.55 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



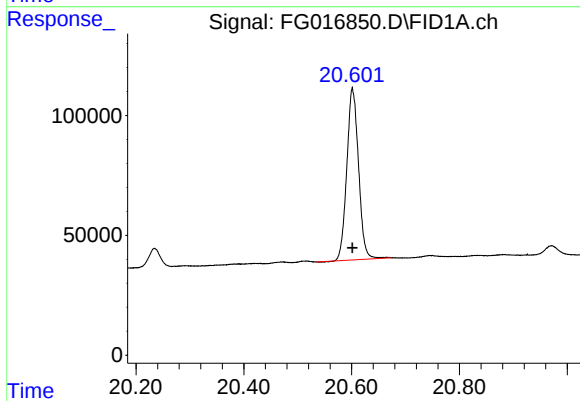
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.000 min
Response: 1477442
Conc: 10.80 ug/ml



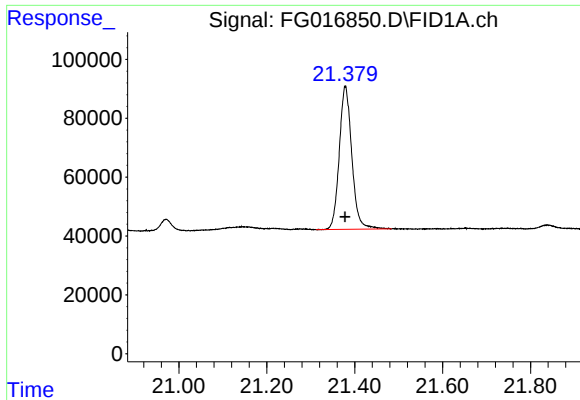
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 1305571
Conc: 10.80 ug/ml



#20 n-Hexatriacontane (C36)

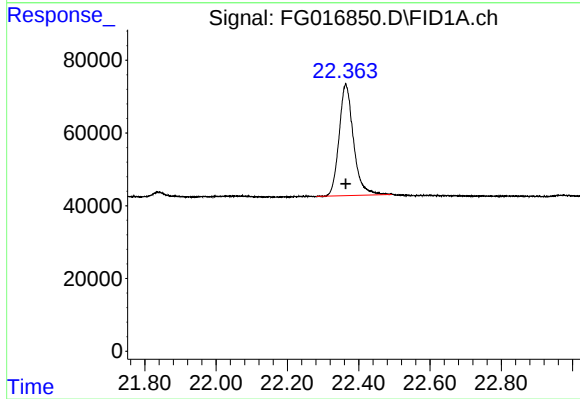
R.T.: 20.601 min
Delta R.T.: 0.000 min
Response: 1079984
Conc: 10.94 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.000 min
Response: 965119
Conc: 11.32 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.364 min
Delta R.T.: 0.000 min
Response: 858492
Conc: 11.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016850.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 15:34
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.365	3.327	3.419	BB	123057	1227509	79.69%	4.353%
2	4.625	4.582	4.692	BB	122786	1247197	80.97%	4.423%
3	6.344	6.314	6.453	BB	106996	1241007	80.56%	4.401%
4	6.805	6.775	6.868	BB	118947	1263581	82.03%	4.481%
5	7.448	7.410	7.555	BB	85760	1107098	71.87%	3.926%
6	8.645	8.609	8.731	BB	108826	1226376	79.61%	4.349%
7	10.264	10.220	10.354	BB	104433	1257832	81.66%	4.461%
8	11.716	11.672	11.800	BB	109112	1342945	87.18%	4.763%
9	12.039	11.995	12.106	BB	136245	1540407	100.00%	5.463%
10	13.035	12.991	13.105	BB	112198	1359854	88.28%	4.823%
11	13.484	13.442	13.557	BB	89993	1159523	75.27%	4.112%
12	13.650	13.610	13.722	BB	109906	1357956	88.16%	4.816%
13	14.242	14.169	14.314	BB	105327	1388013	90.11%	4.923%
14	15.353	15.290	15.428	BB	109425	1422731	92.36%	5.046%
15	16.382	16.346	16.454	BB	106466	1429320	92.79%	5.069%
16	17.338	17.289	17.406	BB	104898	1437422	93.31%	5.098%
17	18.231	18.172	18.311	BB	111517	1500914	97.44%	5.323%
18	19.069	19.016	19.154	BB	104026	1477442	95.91%	5.240%
19	19.859	19.801	19.925	BB	88137	1305571	84.75%	4.630%
20	20.601	20.534	20.674	BB	71578	1079984	70.11%	3.830%
21	21.379	21.312	21.484	BB	48560	965119	62.65%	3.423%
22	22.364	22.281	22.492	BB	30871	858492	55.73%	3.045%
Sum of corrected areas:							28196296	

Aliphatic EPH 102925.M Thu Oct 30 04:25:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016851.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:03
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 29 16:21:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:20:58 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)	12.038	803682	5.089 ug/ml
Spiked Amount 50.000		Recovery =	10.18%
12) S 1-chlorooctadecane (S...	13.485	594900	4.940 ug/ml
Spiked Amount 50.000		Recovery =	9.88%
Target Compounds			
1) T n-Nonane (C9)	3.366	631862	5.072 ug/ml
2) T n-Decane (C10)	4.626	634979	4.960 ug/ml
3) T A~Naphthalene (C11.7)	6.346	586359	4.481 ug/ml
4) T n-Dodecane (C12)	6.805	638302	4.896 ug/ml
5) T A~2-methylnaphthalene...	7.450	482946	4.013 ug/ml
6) T n-Tetradecane (C14)	8.645	601859	4.711 ug/ml
7) T n-Hexadecane (C16)	10.264	611242	4.626 ug/ml
8) T n-Octadecane (C18)	11.716	675251	4.846 ug/ml
10) T n-Eicosane (C20)	13.035	708892	5.072 ug/ml
11) T n-Heneicosane (C21)	13.651	706445	5.081 ug/ml
13) T n-Docosane (C22)	14.242	742660	5.249 ug/ml
14) T n-Tetracosane (C24)	15.353	838633	5.704 ug/ml
15) T n-Hexacosane (C26)	16.382	846912	5.773 ug/ml
16) T n-Octacosane (C28)	17.338	888097	6.033 ug/ml
17) T n-Tricontane (C30)	18.231	936866	6.192 ug/ml
18) T n-Dotriacontane (C32)	19.067	948772	6.436 ug/ml
19) T n-Tetratriacontane (C34)	19.856	802928	6.231 ug/ml
20) T n-Hexatriacontane (C36)	20.602	612734	5.920 ug/ml
21) T n-Octatriacontane (C38)	21.377	499378	5.664 ug/ml
22) T n-Tetracontane (C40)	22.366	427963	5.466 ug/ml

(f)=RT Delta > 1/2 Window

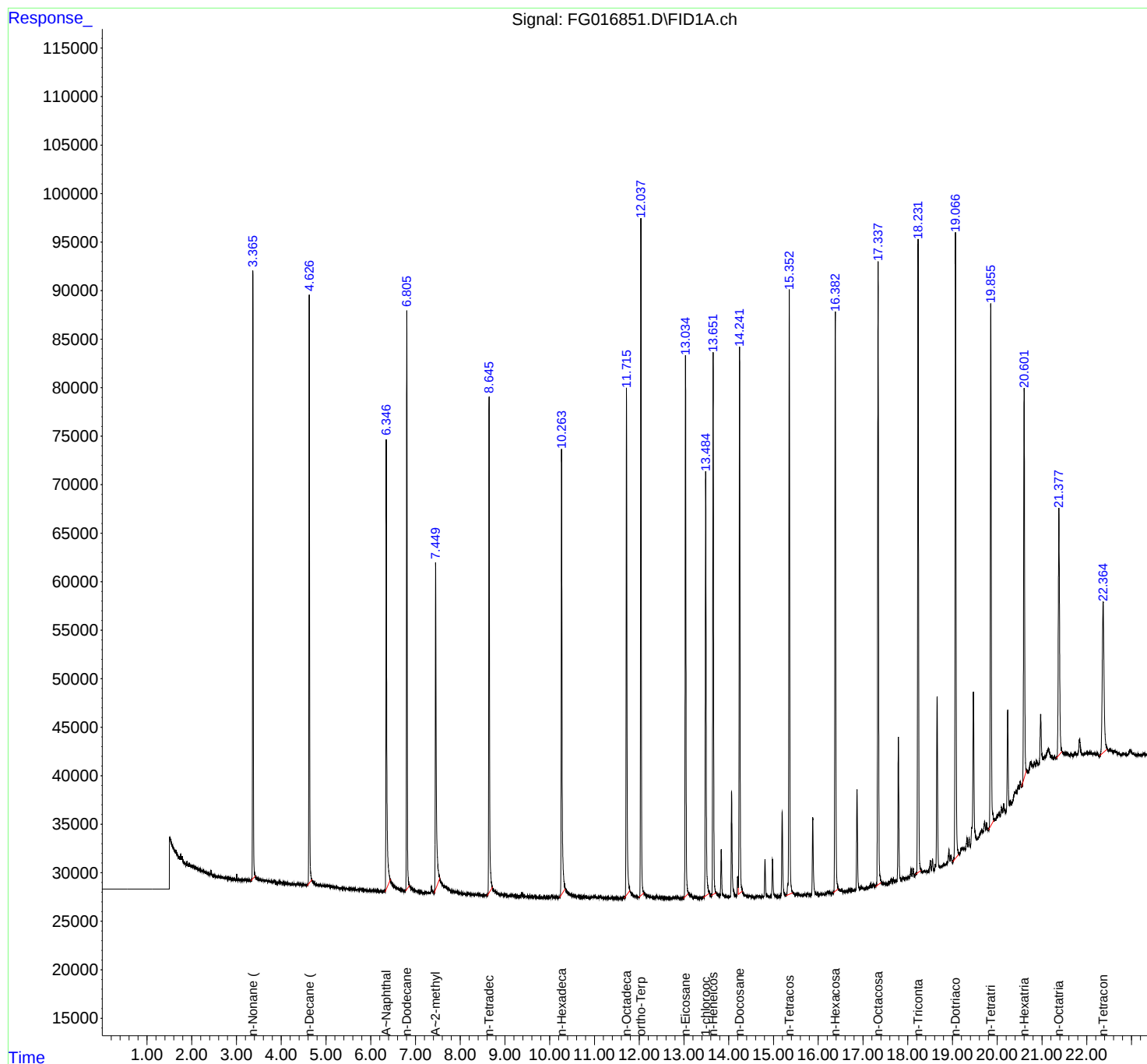
(m)=manual int.

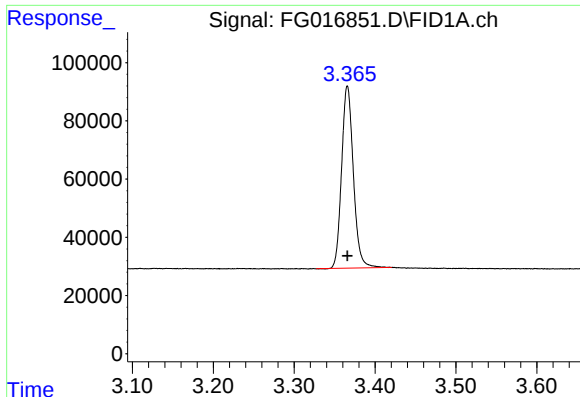
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016851.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 16:03
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 29 16:21:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:20:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

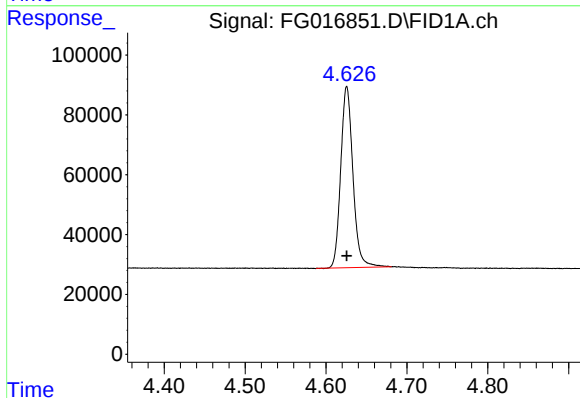




#1 n-Nonane (C9)

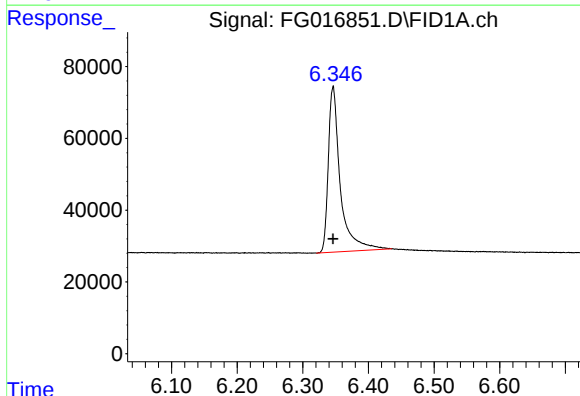
R.T.: 3.366 min
Delta R.T.: 0.000 min
Response: 631862
Conc: 5.07 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



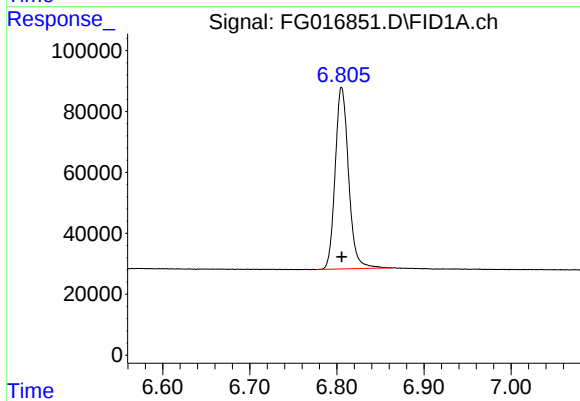
#2 n-Decane (C10)

R.T.: 4.626 min
Delta R.T.: 0.000 min
Response: 634979
Conc: 4.96 ug/ml



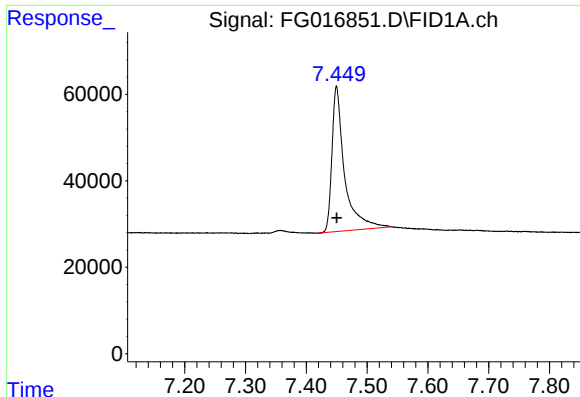
#3 A~Naphthalene (C11.7)

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 586359
Conc: 4.48 ug/ml



#4 n-Dodecane (C12)

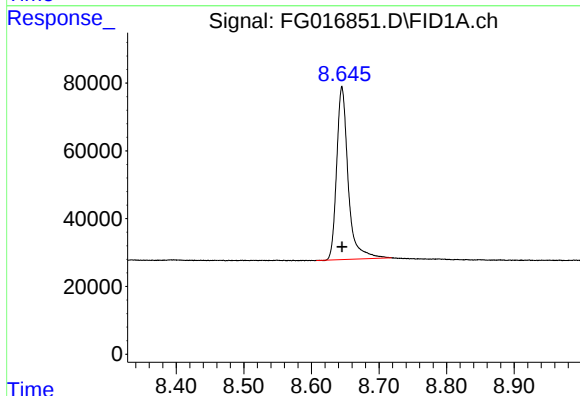
R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 638302
Conc: 4.90 ug/ml



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

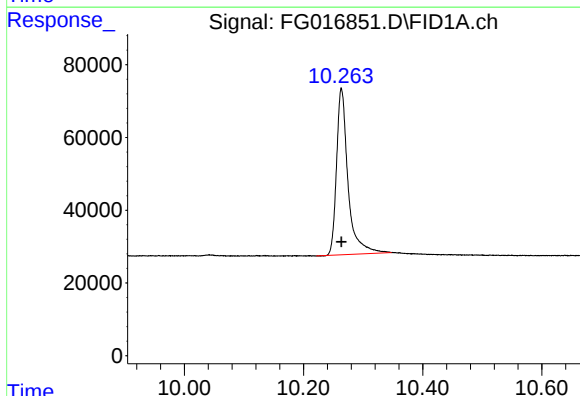
R.T.: 7.450 min
Delta R.T.: 0.000 min
Response: 482946
Conc: 4.01 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



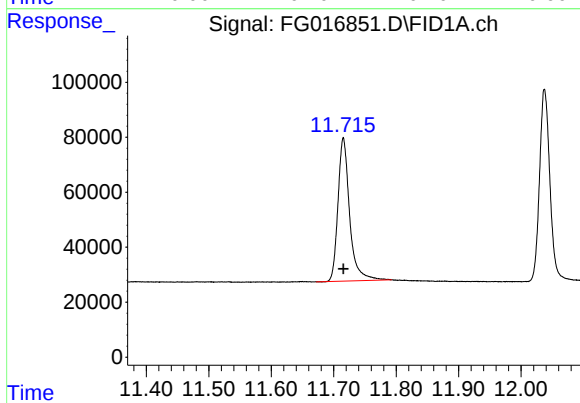
#6 n-Tetradecane (C14)

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 601859
Conc: 4.71 ug/ml



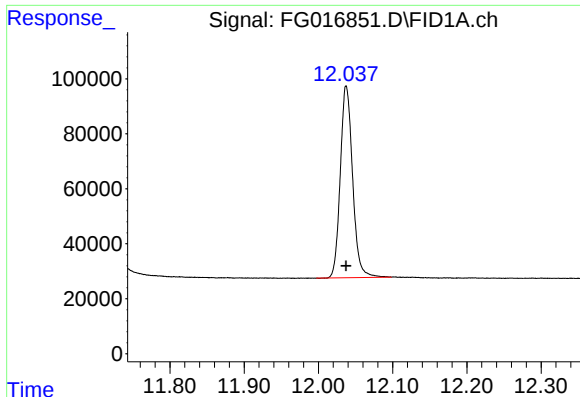
#7 n-Hexadecane (C16)

R.T.: 10.264 min
Delta R.T.: 0.000 min
Response: 611242
Conc: 4.63 ug/ml



#8 n-Octadecane (C18)

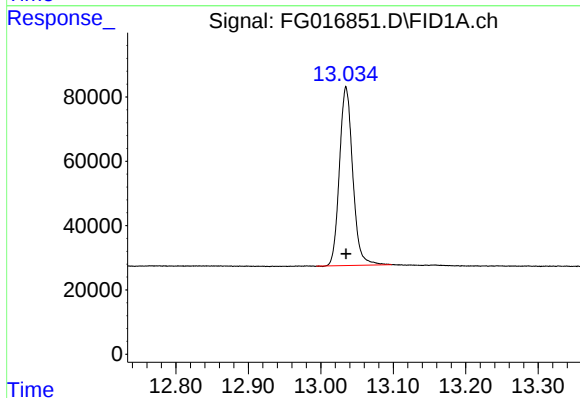
R.T.: 11.716 min
Delta R.T.: 0.000 min
Response: 675251
Conc: 4.85 ug/ml



#9 ortho-Terphenyl (SURR)

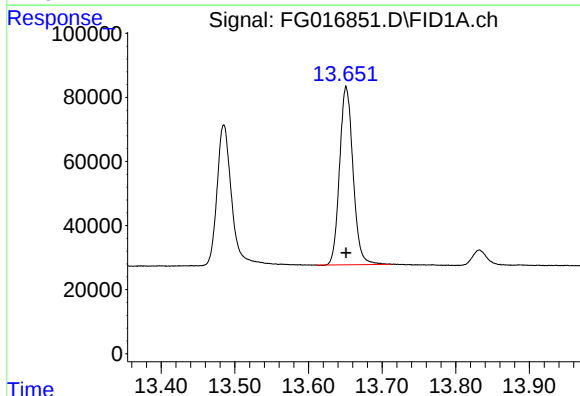
R.T.: 12.038 min
Delta R.T.: 0.000 min
Response: 803682
Conc: 5.09 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



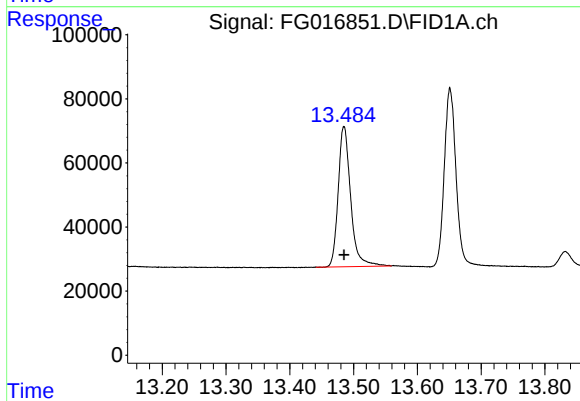
#10 n-Eicosane (C20)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 708892
Conc: 5.07 ug/ml



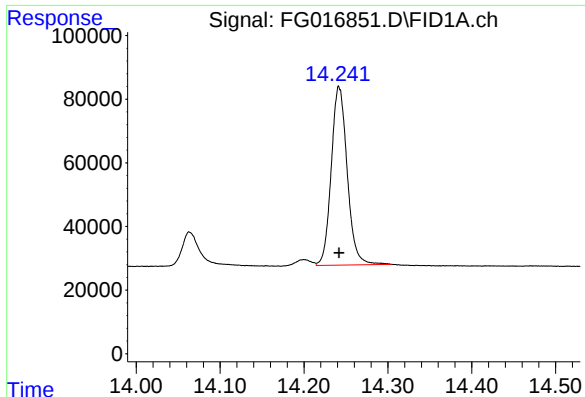
#11 n-Heneicosane (C21)

R.T.: 13.651 min
Delta R.T.: 0.000 min
Response: 706445
Conc: 5.08 ug/ml



#12 1-chlorooctadecane (SURR)

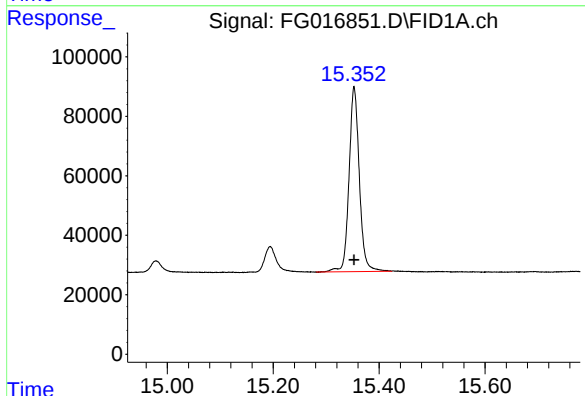
R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 594900
Conc: 4.94 ug/ml



#13 n-Docosane (C22)

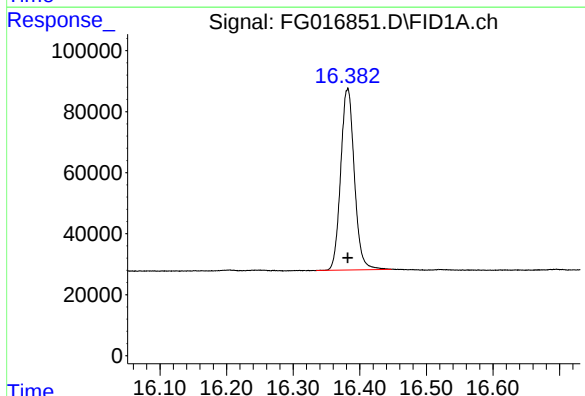
R.T.: 14.242 min
Delta R.T.: 0.000 min
Response: 742660
Conc: 5.25 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



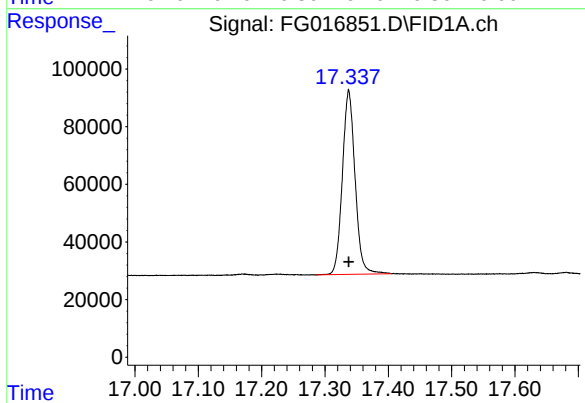
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.000 min
Response: 838633
Conc: 5.70 ug/ml



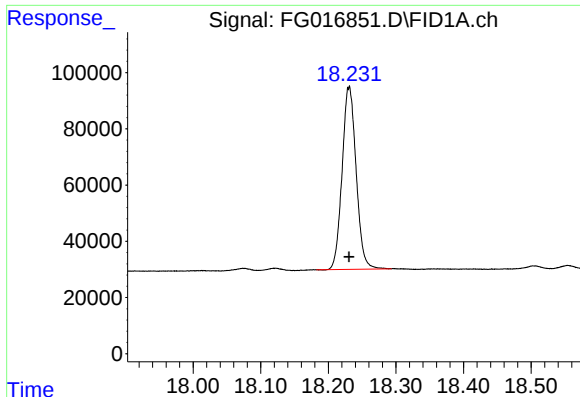
#15 n-Hexacosane (C26)

R.T.: 16.382 min
Delta R.T.: 0.000 min
Response: 846912
Conc: 5.77 ug/ml



#16 n-Octacosane (C28)

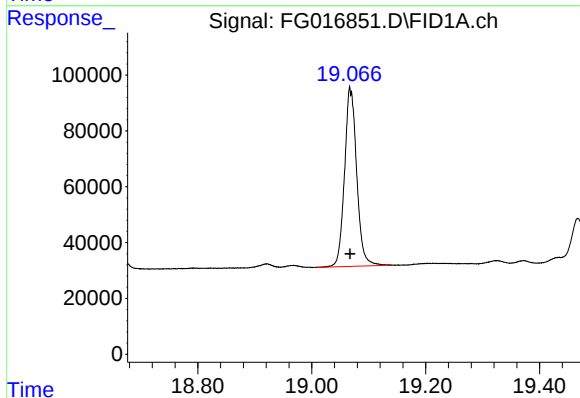
R.T.: 17.338 min
Delta R.T.: 0.000 min
Response: 888097
Conc: 6.03 ug/ml



#17 n-Tricontane (C30)

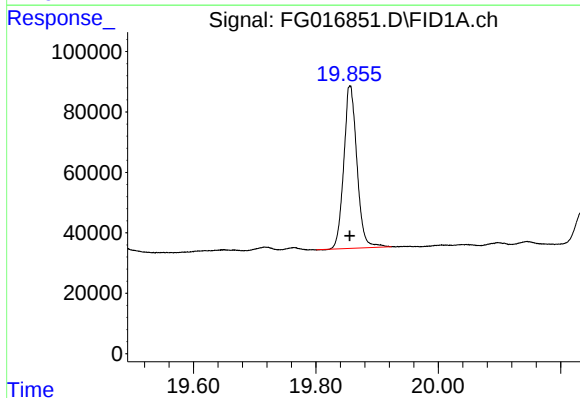
R.T.: 18.231 min
Delta R.T.: 0.000 min
Response: 936866
Conc: 6.19 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



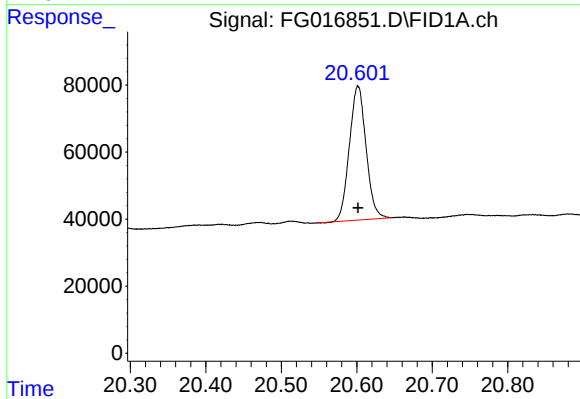
#18 n-Dotriacontane (C32)

R.T.: 19.067 min
Delta R.T.: 0.000 min
Response: 948772
Conc: 6.44 ug/ml



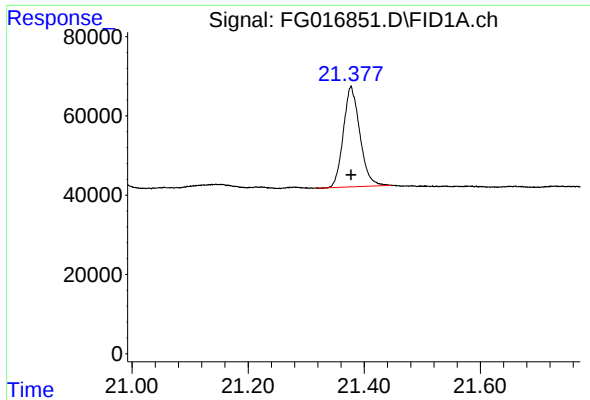
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 802928
Conc: 6.23 ug/ml



#20 n-Hexatriacontane (C36)

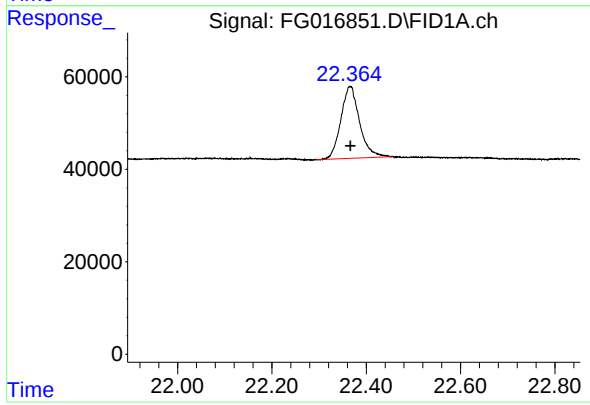
R.T.: 20.602 min
Delta R.T.: 0.000 min
Response: 612734
Conc: 5.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.377 min
Delta R.T.: 0.000 min
Response: 499378
Conc: 5.66 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 427963
Conc: 5.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016851.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:03
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.366	3.327	3.420	BB	62632	631862	66.60%	4.151%
2	4.626	4.588	4.681	BB	60624	634979	66.93%	4.172%
3	6.346	6.320	6.435	BB	46240	586359	61.80%	3.852%
4	6.805	6.776	6.863	BB	59610	638302	67.28%	4.193%
5	7.450	7.416	7.540	BB	33672	482946	50.90%	3.173%
6	8.645	8.607	8.719	BB	51093	601859	63.44%	3.954%
7	10.264	10.221	10.348	BB	45795	611242	64.42%	4.016%
8	11.716	11.672	11.793	BB	52261	675251	71.17%	4.436%
9	12.038	11.997	12.099	BB	69789	803682	84.71%	5.280%
10	13.035	12.994	13.098	BB	55683	708892	74.72%	4.657%
11	13.485	13.441	13.560	BB	43734	594900	62.70%	3.908%
12	13.651	13.610	13.713	BB	55770	706445	74.46%	4.641%
13	14.242	14.215	14.305	VB	55947	742660	78.28%	4.879%
14	15.353	15.281	15.424	BB	62207	838633	88.39%	5.509%
15	16.382	16.335	16.448	BB	59622	846912	89.26%	5.564%
16	17.338	17.286	17.405	BB	63923	888097	93.60%	5.834%
17	18.231	18.182	18.294	BB	64427	936866	98.75%	6.155%
18	19.067	19.008	19.140	BB	63998	948772	100.00%	6.233%
19	19.856	19.800	19.924	BB	53761	802928	84.63%	5.275%
20	20.602	20.546	20.646	BB	39804	612734	64.58%	4.025%
21	21.377	21.317	21.447	BB	25353	499378	52.63%	3.281%
22	22.366	22.294	22.454	BB	15505	427963	45.11%	2.812%
Sum of corrected areas:							15221664	

Aliphatic EPH 102925.M Thu Oct 30 04:28:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016852.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:33
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 29 17:28:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 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)	12.050	13754034	87.089 ug/ml
Spiked Amount 50.000		Recovery =	174.18%
12) S 1-chlorooctadecane (S...	13.492	10715413	88.974 ug/ml
Spiked Amount 50.000		Recovery =	177.95%
Target Compounds			
1) T n-Nonane (C9)	3.368	11225657	90.101 ug/ml
2) T n-Decane (C10)	4.630	11442592	89.379 ug/ml
3) T A~Naphthalene (C11.7)	6.349	12390439	94.698 ug/ml
4) T n-Dodecane (C12)	6.812	11594218	88.923 ug/ml
5) T A~2-methylnaphthalene...	7.453	11900380	98.891 ug/ml
6) T n-Tetradecane (C14)	8.652	11527988	90.235 ug/ml
7) T n-Hexadecane (C16)	10.270	12035154	91.082 ug/ml
8) T n-Octadecane (C18)	11.726	12403190	89.004 ug/ml
10) T n-Eicosane (C20)	13.043	12210298	87.354 ug/ml
11) T n-Heneicosane (C21)	13.661	12146981	87.367 ug/ml
13) T n-Docosane (C22)	14.250	12192468	86.179 ug/ml
14) T n-Tetracosane (C24)	15.362	12325975	83.834 ug/ml
15) T n-Hexacosane (C26)	16.390	12235907	83.402 ug/ml
16) T n-Octacosane (C28)	17.346	11989038	81.442 ug/ml
17) T n-Tricontane (C30)	18.240	11942968	78.928 ug/ml
18) T n-Dotriacontane (C32)	19.077	11253133	76.341 ug/ml
19) T n-Tetratriacontane (C34)	19.865	10198592	79.141 ug/ml
20) T n-Hexatriacontane (C36)	20.608	8820263	85.216 ug/ml
21) T n-Octatriacontane (C38)	21.384	7917818	89.811 ug/ml
22) T n-Tetracontane (C40)	22.369	7331145	93.629 ug/ml

(f)=RT Delta > 1/2 Window

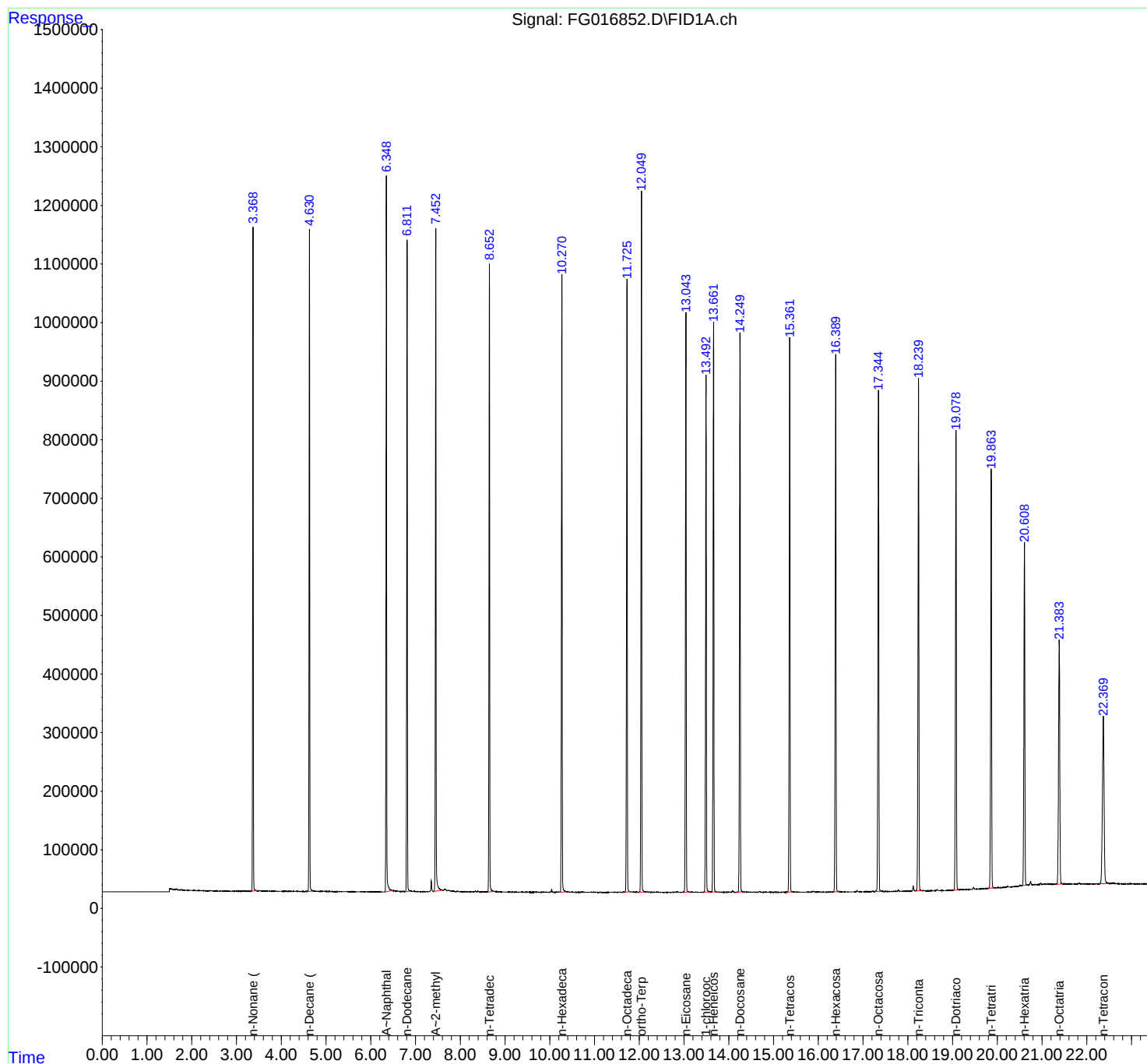
(m)=manual int.

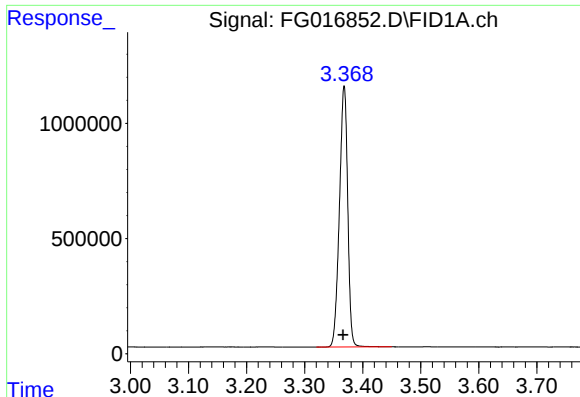
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016852.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 16:33
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 29 17:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

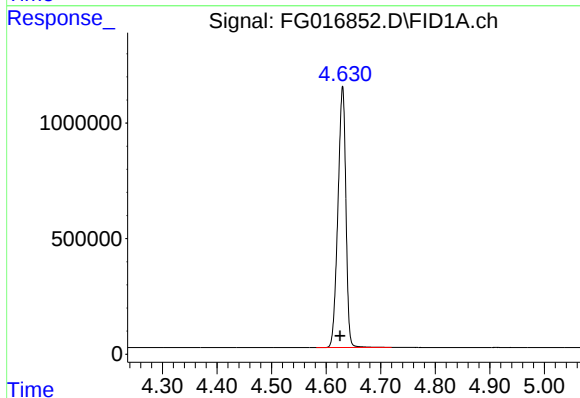




#1 n-Nonane (C9)

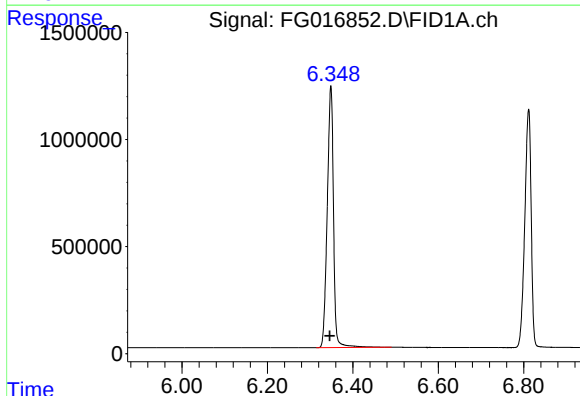
R.T.: 3.368 min
Delta R.T.: 0.002 min
Response: 11225657
Conc: 90.10 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



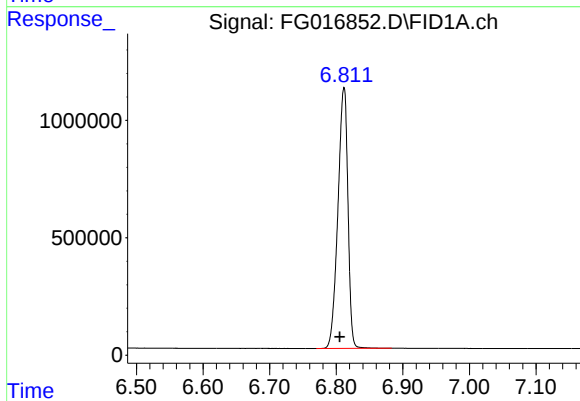
#2 n-Decane (C10)

R.T.: 4.630 min
Delta R.T.: 0.004 min
Response: 11442592
Conc: 89.38 ug/ml



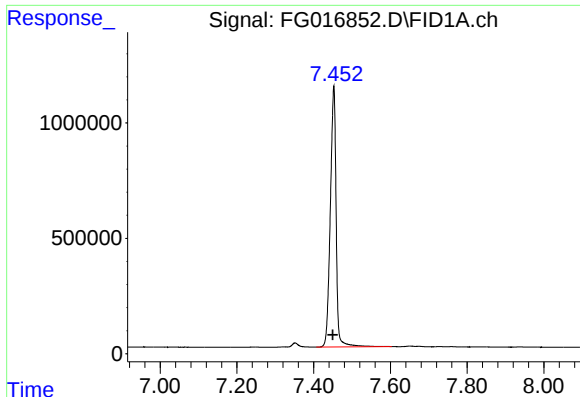
#3 A~Naphthalene (C11.7)

R.T.: 6.349 min
Delta R.T.: 0.003 min
Response: 12390439
Conc: 94.70 ug/ml



#4 n-Dodecane (C12)

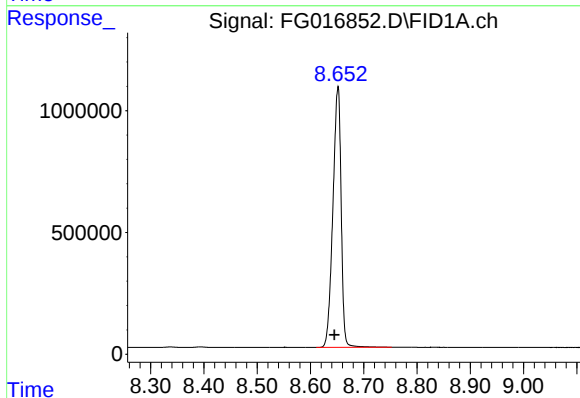
R.T.: 6.812 min
Delta R.T.: 0.006 min
Response: 11594218
Conc: 88.92 ug/ml



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

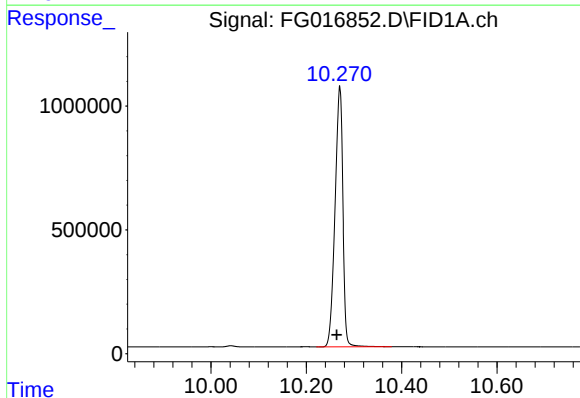
R.T.: 7.453 min
Delta R.T.: 0.003 min
Response: 11900380
Conc: 98.89 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



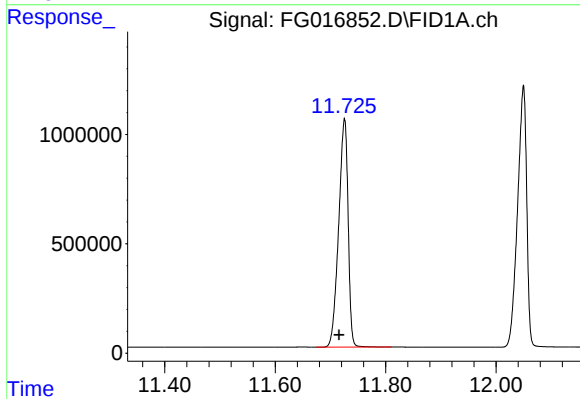
#6 n-Tetradecane (C14)

R.T.: 8.652 min
Delta R.T.: 0.006 min
Response: 11527988
Conc: 90.24 ug/ml



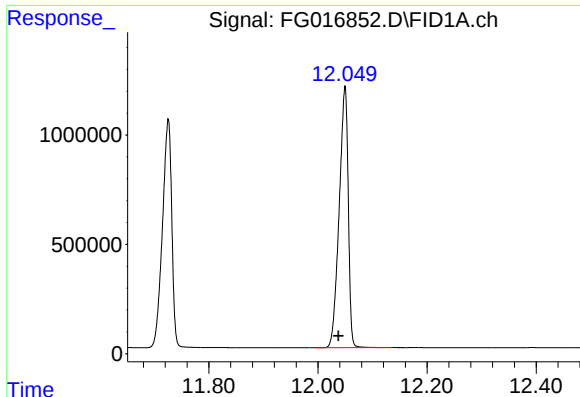
#7 n-Hexadecane (C16)

R.T.: 10.270 min
Delta R.T.: 0.007 min
Response: 12035154
Conc: 91.08 ug/ml



#8 n-Octadecane (C18)

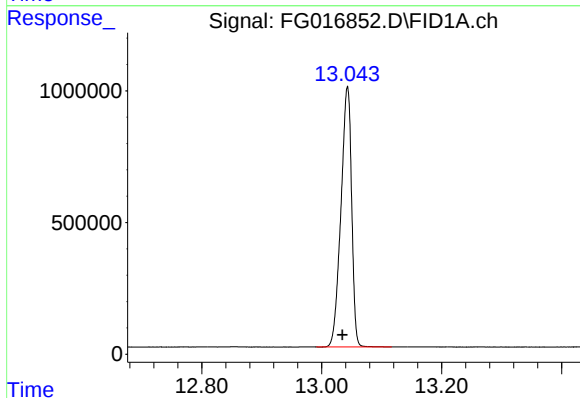
R.T.: 11.726 min
Delta R.T.: 0.010 min
Response: 12403190
Conc: 89.00 ug/ml



#9 ortho-Terphenyl (SURR)

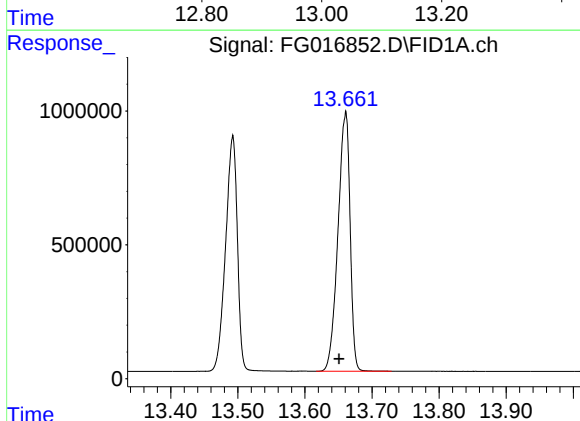
R.T.: 12.050 min
Delta R.T.: 0.012 min
Response: 13754034
Conc: 87.09 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



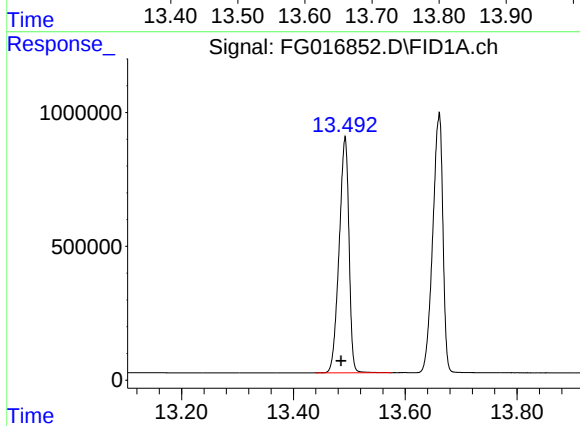
#10 n-Eicosane (C20)

R.T.: 13.043 min
Delta R.T.: 0.008 min
Response: 12210298
Conc: 87.35 ug/ml



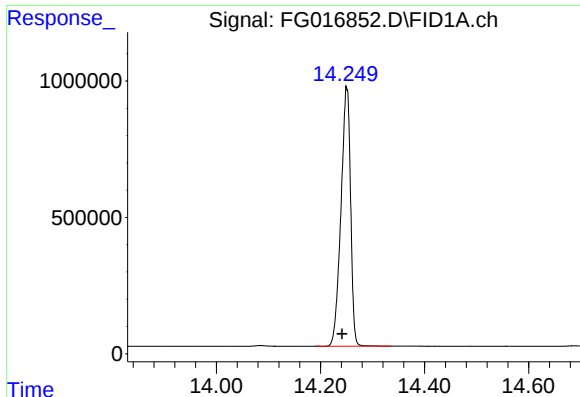
#11 n-Heneicosane (C21)

R.T.: 13.661 min
Delta R.T.: 0.010 min
Response: 12146981
Conc: 87.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.492 min
Delta R.T.: 0.007 min
Response: 10715413
Conc: 88.97 ug/ml



#13 n-Docosane (C22)

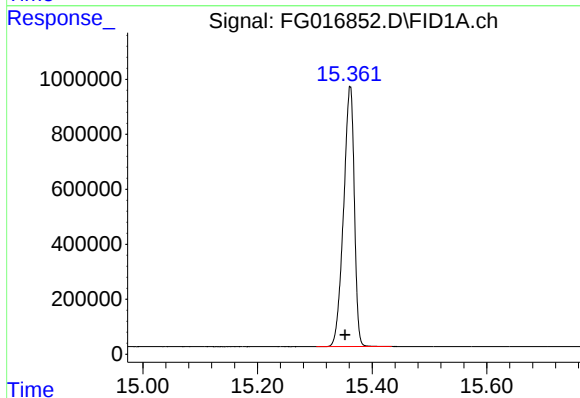
R.T.: 14.250 min
Delta R.T.: 0.009 min
Response: 12192468
Conc: 86.18 ug/ml

Instrument :

FID_G

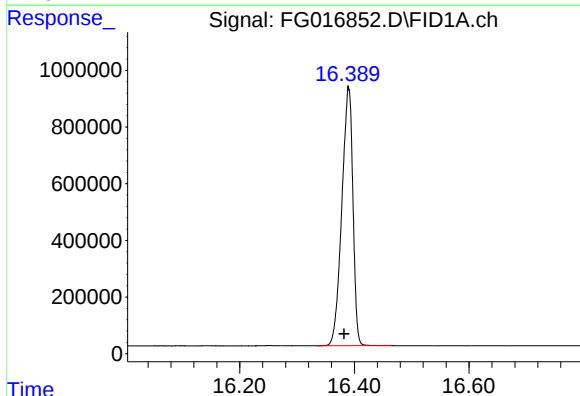
ClientSampleId :

100 PPM ALIPHATIC HC STD1



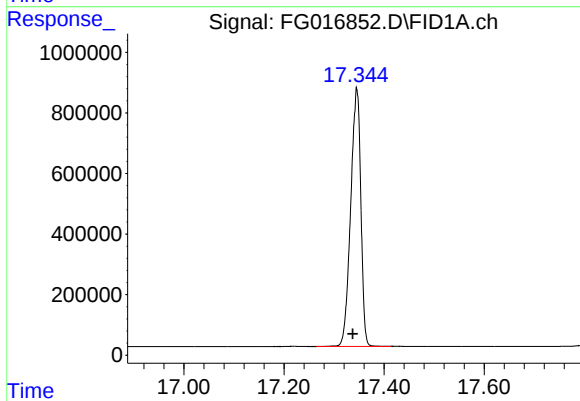
#14 n-Tetracosane (C24)

R.T.: 15.362 min
Delta R.T.: 0.009 min
Response: 12325975
Conc: 83.83 ug/ml



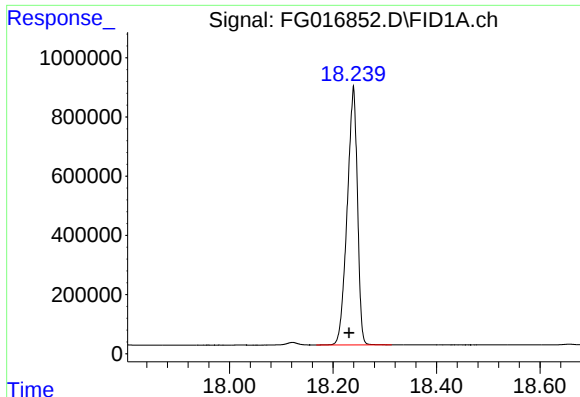
#15 n-Hexacosane (C26)

R.T.: 16.390 min
Delta R.T.: 0.008 min
Response: 12235907
Conc: 83.40 ug/ml



#16 n-Octacosane (C28)

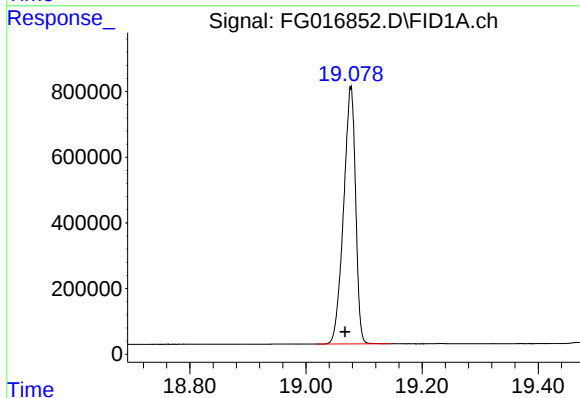
R.T.: 17.346 min
Delta R.T.: 0.008 min
Response: 11989038
Conc: 81.44 ug/ml



#17 n-Tricontane (C30)

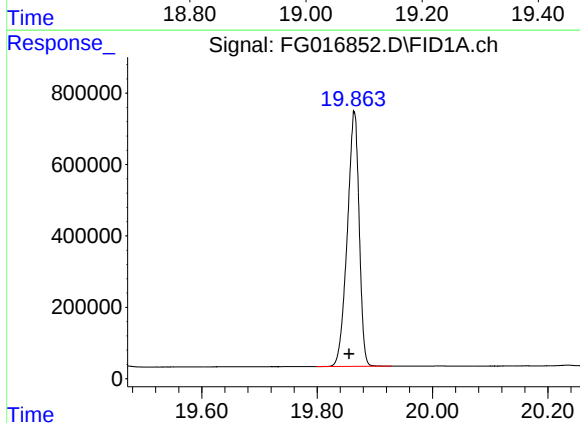
R.T.: 18.240 min
Delta R.T.: 0.009 min
Response: 11942968
Conc: 78.93 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



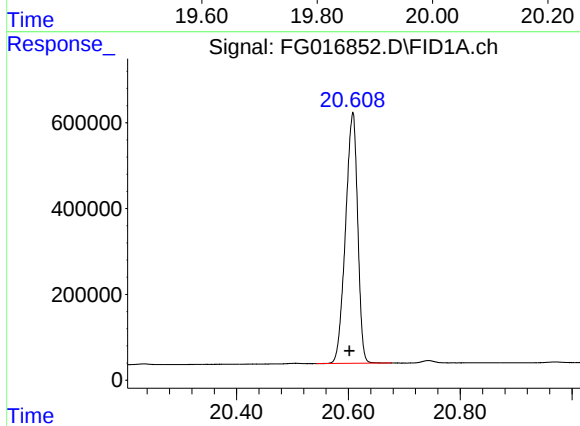
#18 n-Dotriacontane (C32)

R.T.: 19.077 min
Delta R.T.: 0.010 min
Response: 11253133
Conc: 76.34 ug/ml



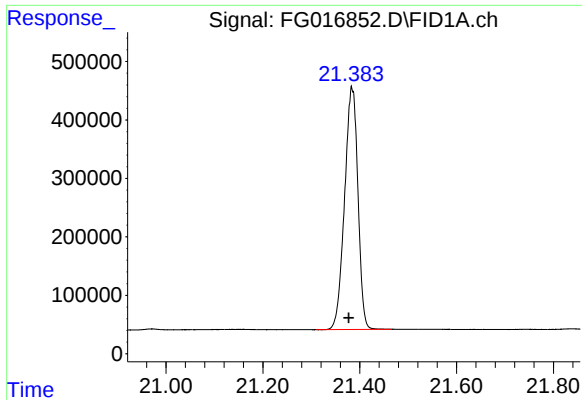
#19 n-Tetratriacontane (C34)

R.T.: 19.865 min
Delta R.T.: 0.009 min
Response: 10198592
Conc: 79.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.608 min
Delta R.T.: 0.006 min
Response: 8820263
Conc: 85.22 ug/ml



#21 n-Octatriacontane (C38)

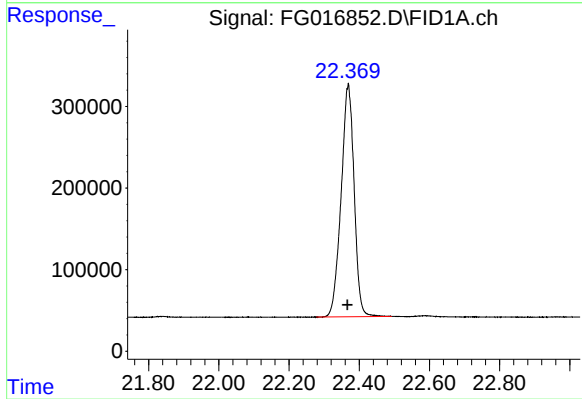
R.T.: 21.384 min
Delta R.T.: 0.007 min
Response: 7917818
Conc: 89.81 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.369 min
Delta R.T.: 0.003 min
Response: 7331145
Conc: 93.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016852.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:33
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.368	3.320	3.450	BB	1133978	11225657	81.62%	4.498%
2	4.630	4.582	4.720	BB	1130326	11442592	83.19%	4.585%
3	6.349	6.314	6.491	BB	1221514	12390439	90.09%	4.965%
4	6.812	6.770	6.883	BB	1111879	11594218	84.30%	4.646%
5	7.453	7.407	7.603	PB	1131464	11900380	86.52%	4.769%
6	8.652	8.611	8.753	BB	1069318	11527988	83.82%	4.619%
7	10.270	10.221	10.379	BB	1052759	12035154	87.50%	4.823%
8	11.726	11.674	11.811	BB	1043140	12403190	90.18%	4.970%
9	12.050	11.997	12.135	BB	1194675	13754034	100.00%	5.511%
10	13.043	12.991	13.117	BB	990306	12210298	88.78%	4.893%
11	13.492	13.441	13.576	BB	880530	10715413	77.91%	4.294%
12	13.661	13.617	13.729	BB	970977	12146981	88.32%	4.867%
13	14.250	14.192	14.337	BB	940395	12192468	88.65%	4.886%
14	15.362	15.303	15.434	BB	944988	12325975	89.62%	4.939%
15	16.390	16.333	16.465	BB	906665	12235907	88.96%	4.903%
16	17.346	17.264	17.415	BB	849579	11989038	87.17%	4.804%
17	18.240	18.168	18.313	BB	875916	11942968	86.83%	4.786%
18	19.077	19.018	19.148	BB	776557	11253133	81.82%	4.509%
19	19.865	19.798	19.929	BB	711716	10198592	74.15%	4.087%
20	20.608	20.543	20.678	BB	585252	8820263	64.13%	3.534%
21	21.384	21.310	21.466	BB	412561	7917818	57.57%	3.173%
22	22.369	22.278	22.493	BB	286131	7331145	53.30%	2.938%
Sum of corrected areas:						249553650		

Aliphatic EPH 102925.M Thu Oct 30 04:29:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016853.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 17:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 29 17:42:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 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)	12.039	2878633	18.227 ug/ml
Spiked Amount 50.000		Recovery =	36.45%
12) S 1-chlorooctadecane (S...	13.485	2197563	18.247 ug/ml
Spiked Amount 50.000		Recovery =	36.49%
Target Compounds			
1) T n-Nonane (C9)	3.365	2333992	18.734 ug/ml
2) T n-Decane (C10)	4.625	2380603	18.595 ug/ml
3) T A~Naphthalene (C11.7)	6.343	2445124	18.688 ug/ml
4) T n-Dodecane (C12)	6.806	2412397	18.502 ug/ml
5) T A~2-methylnaphthalene...	7.447	2263229	18.807 ug/ml
6) T n-Tetradecane (C14)	8.646	2364432	18.508 ug/ml
7) T n-Hexadecane (C16)	10.264	2446067	18.512 ug/ml
8) T n-Octadecane (C18)	11.717	2558203	18.357 ug/ml
10) T n-Eicosane (C20)	13.035	2540186	18.173 ug/ml
11) T n-Heneicosane (C21)	13.652	2526929	18.175 ug/ml
13) T n-Docosane (C22)	14.243	2527708	17.866 ug/ml
14) T n-Tetracosane (C24)	15.353	2549263	17.339 ug/ml
15) T n-Hexacosane (C26)	16.381	2534590	17.276 ug/ml
16) T n-Octacosane (C28)	17.338	2511002	17.057 ug/ml
17) T n-Tricontane (C30)	18.232	2583310	17.072 ug/ml
18) T n-Dotriacontane (C32)	19.069	2504607	16.991 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2261777	17.551 ug/ml
20) T n-Hexatriacontane (C36)	20.600	1919405	18.544 ug/ml
21) T n-Octatriacontane (C38)	21.378	1687771	19.144 ug/ml
22) T n-Tetracontane (C40)	22.363	1511163	19.300 ug/ml

(f)=RT Delta > 1/2 Window

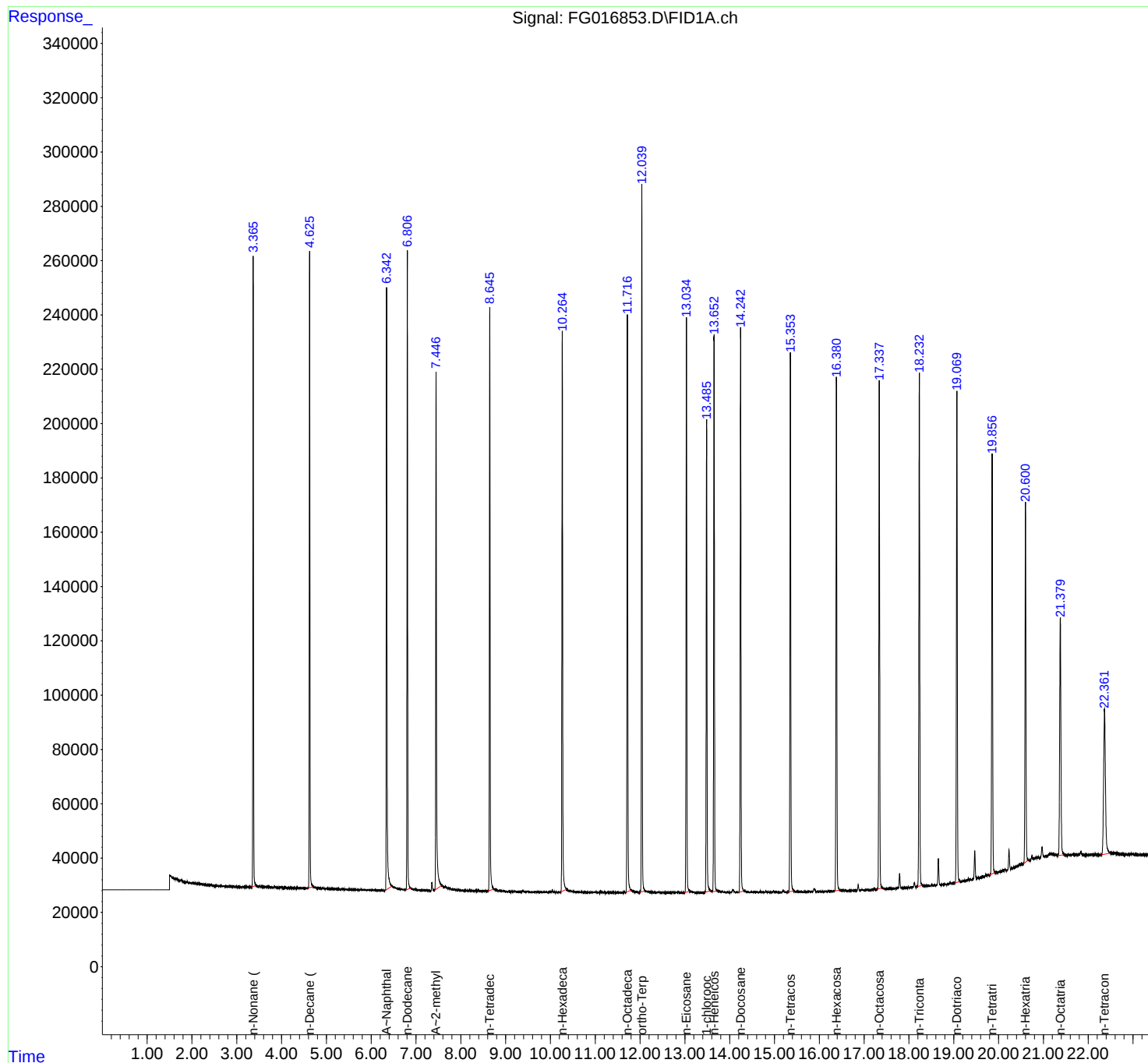
(m)=manual int.

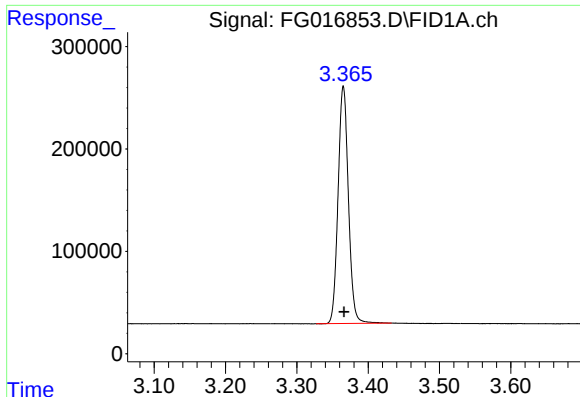
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016853.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 17:32
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 29 17:42:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

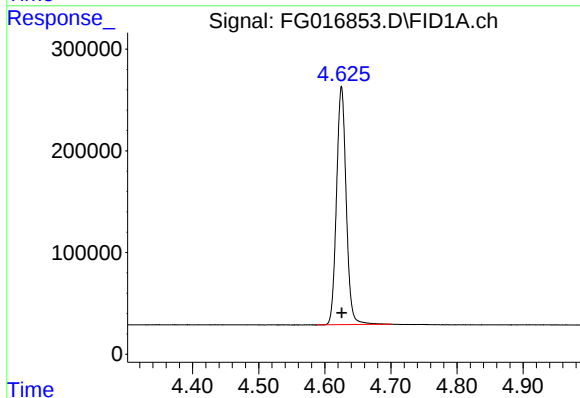
R.T.: 3.365 min
Delta R.T.: 0.000 min
Response: 2333992
Conc: 18.73 ug/ml

Instrument :

FID_G

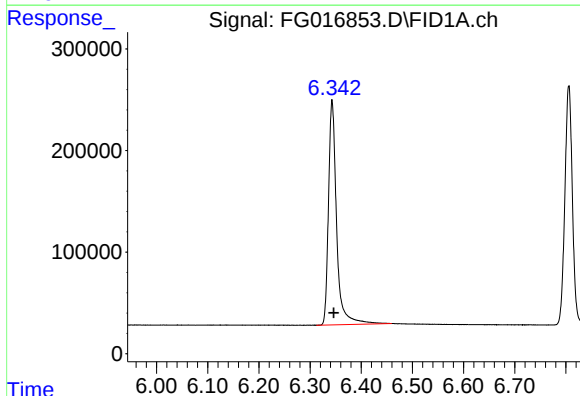
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



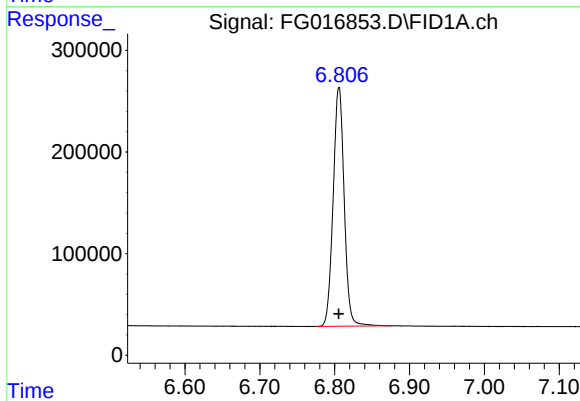
#2 n-Decane (C10)

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 2380603
Conc: 18.60 ug/ml



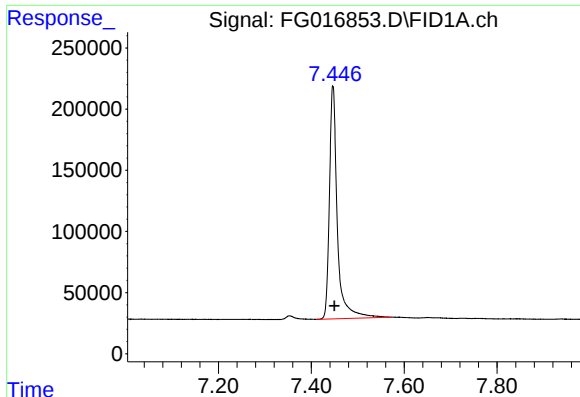
#3 A~Naphthalene (C11.7)

R.T.: 6.343 min
Delta R.T.: -0.003 min
Response: 2445124
Conc: 18.69 ug/ml



#4 n-Dodecane (C12)

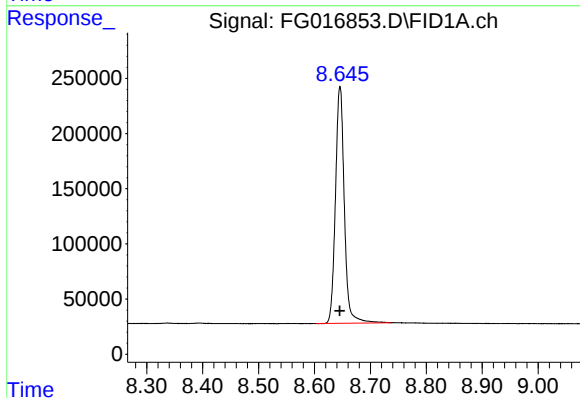
R.T.: 6.806 min
Delta R.T.: 0.000 min
Response: 2412397
Conc: 18.50 ug/ml



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

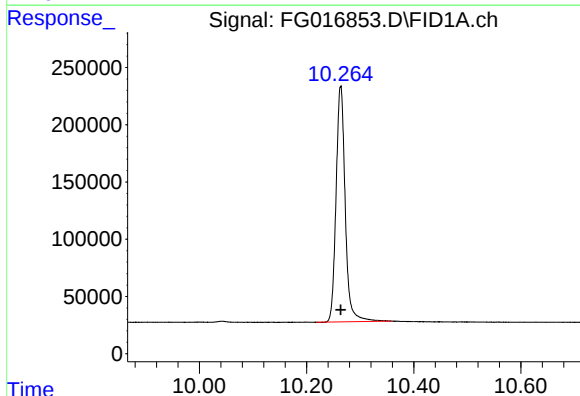
R.T.: 7.447 min
Delta R.T.: -0.003 min
Response: 2263229
Conc: 18.81 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



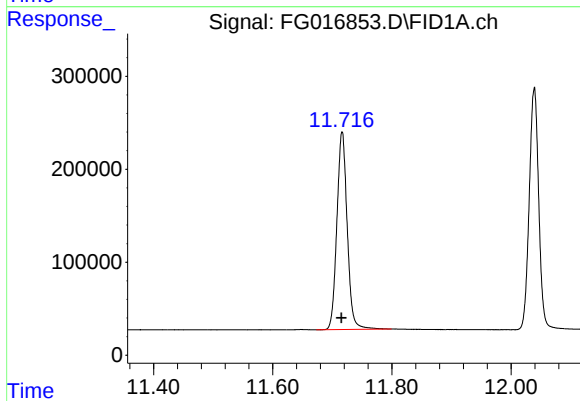
#6 n-Tetradecane (C14)

R.T.: 8.646 min
Delta R.T.: 0.000 min
Response: 2364432
Conc: 18.51 ug/ml



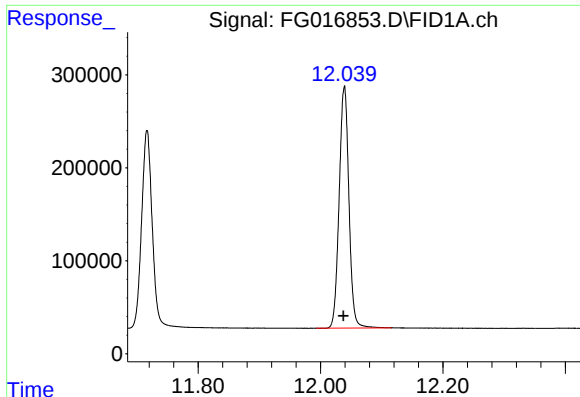
#7 n-Hexadecane (C16)

R.T.: 10.264 min
Delta R.T.: 0.000 min
Response: 2446067
Conc: 18.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.717 min
Delta R.T.: 0.000 min
Response: 2558203
Conc: 18.36 ug/ml



#9 ortho-Terphenyl (SURR)

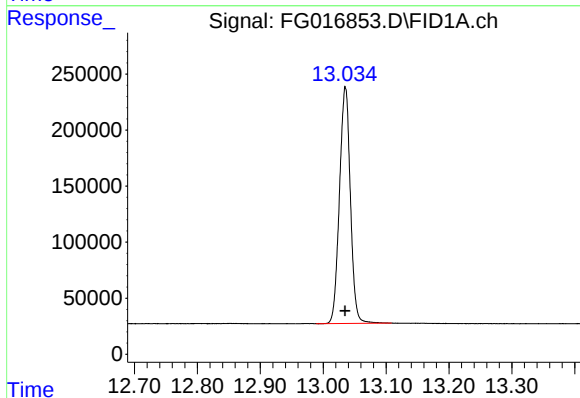
R.T.: 12.039 min
Delta R.T.: 0.001 min
Response: 2878633
Conc: 18.23 ug/ml

Instrument :

FID_G

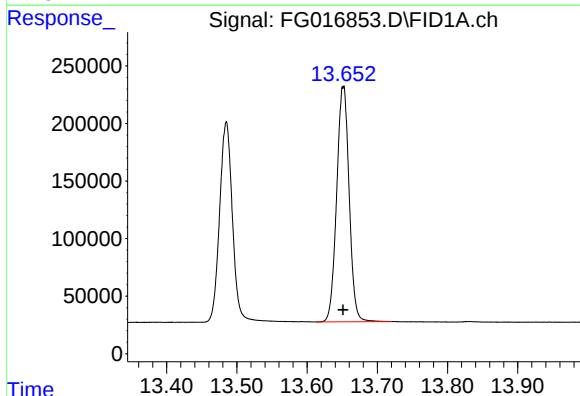
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



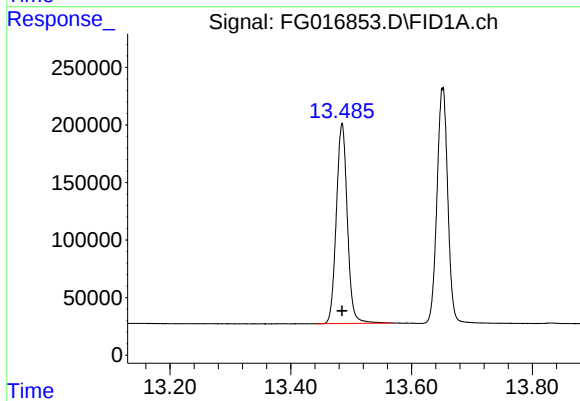
#10 n-Eicosane (C20)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 2540186
Conc: 18.17 ug/ml



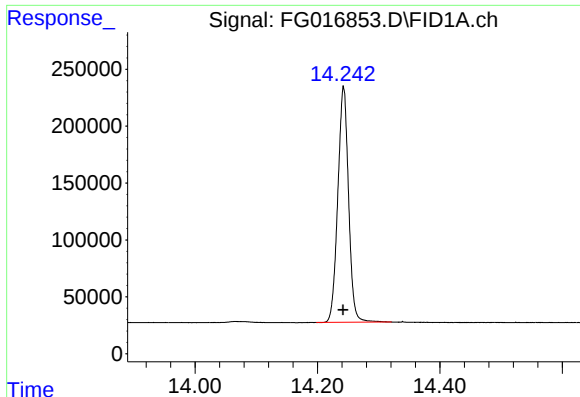
#11 n-Heneicosane (C21)

R.T.: 13.652 min
Delta R.T.: 0.000 min
Response: 2526929
Conc: 18.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 2197563
Conc: 18.25 ug/ml



#13 n-Docosane (C22)

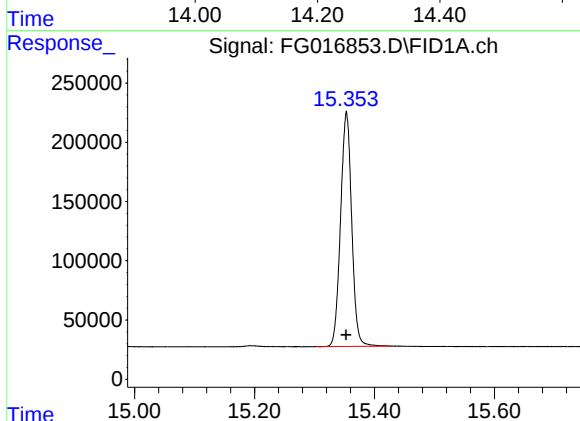
R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 2527708
Conc: 17.87 ug/ml

Instrument :

FID_G

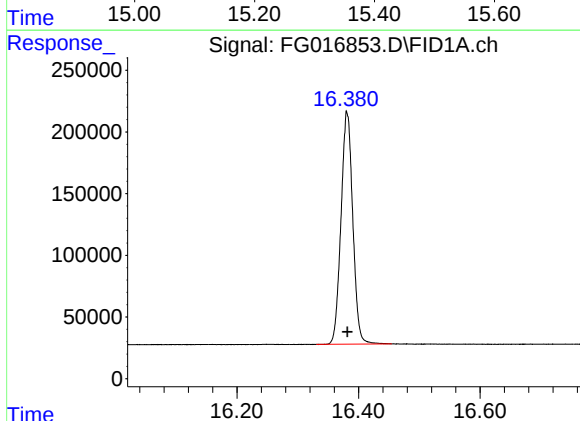
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



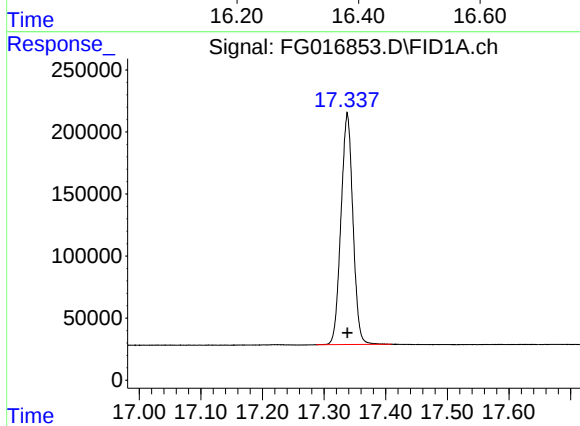
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.000 min
Response: 2549263
Conc: 17.34 ug/ml



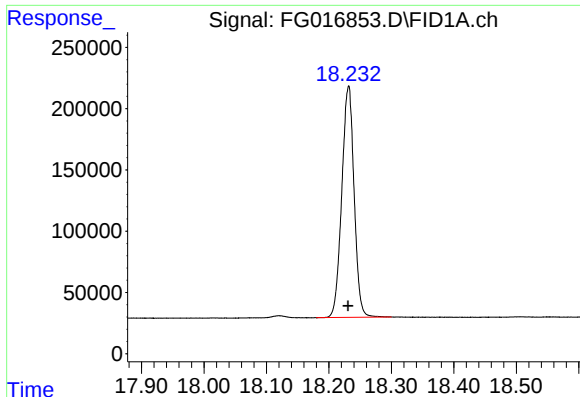
#15 n-Hexacosane (C26)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 2534590
Conc: 17.28 ug/ml



#16 n-Octacosane (C28)

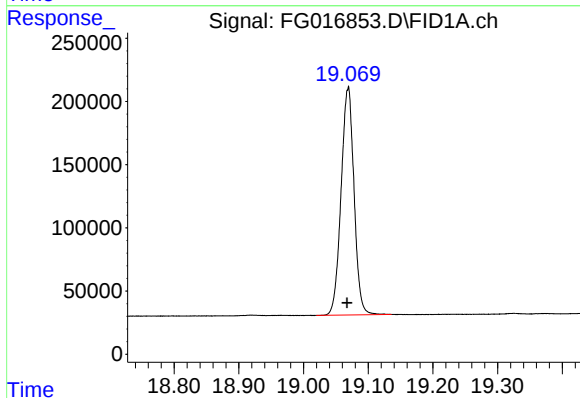
R.T.: 17.338 min
Delta R.T.: 0.000 min
Response: 2511002
Conc: 17.06 ug/ml



#17 n-Tricontane (C30)

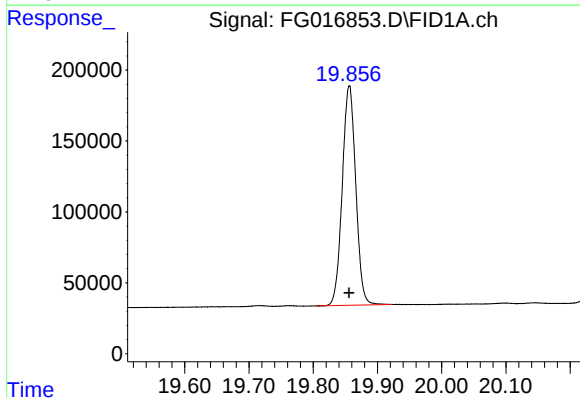
R.T.: 18.232 min
Delta R.T.: 0.000 min
Response: 2583310
Conc: 17.07 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



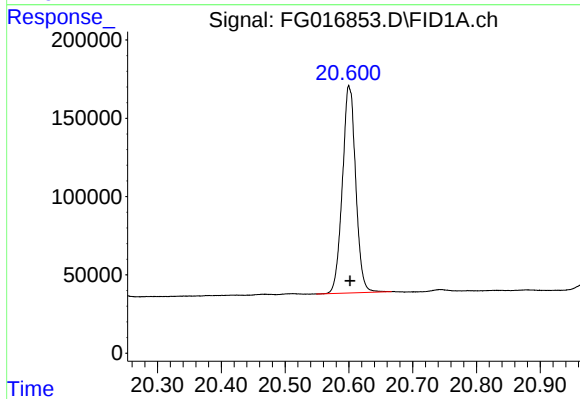
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.002 min
Response: 2504607
Conc: 16.99 ug/ml



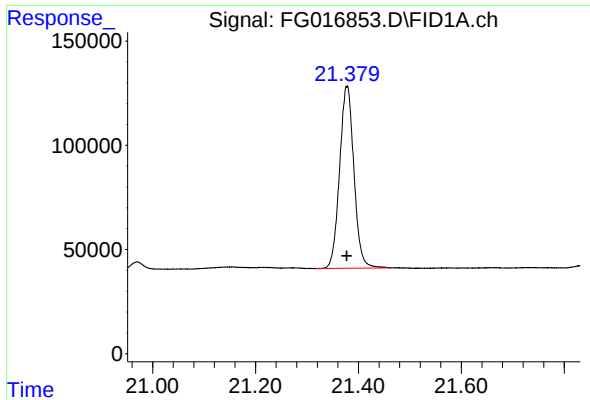
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 2261777
Conc: 17.55 ug/ml



#20 n-Hexatriacontane (C36)

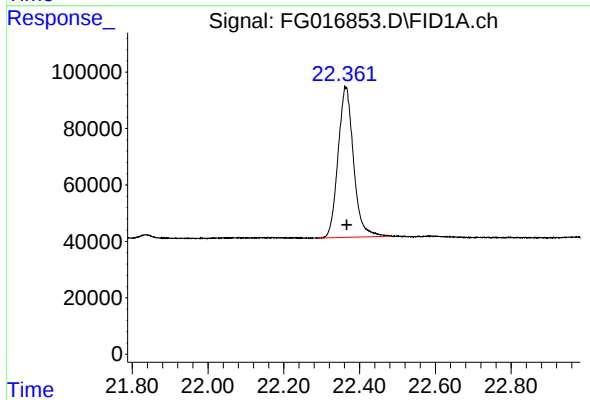
R.T.: 20.600 min
Delta R.T.: -0.001 min
Response: 1919405
Conc: 18.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.378 min
Delta R.T.: 0.000 min
Response: 1687771
Conc: 19.14 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.363 min
Delta R.T.: -0.004 min
Response: 1511163
Conc: 19.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016853.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 17:32
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.365	3.327	3.433	BB	232036	2333992	81.08%	4.494%
2	4.625	4.587	4.701	BB	234268	2380603	82.70%	4.584%
3	6.343	6.312	6.460	BB	221491	2445124	84.94%	4.708%
4	6.806	6.775	6.876	BB	235549	2412397	83.80%	4.645%
5	7.447	7.410	7.573	BB	190049	2263229	78.62%	4.358%
6	8.646	8.603	8.738	BB	214381	2364432	82.14%	4.552%
7	10.264	10.218	10.359	BB	205479	2446067	84.97%	4.710%
8	11.717	11.673	11.800	BB	212642	2558203	88.87%	4.925%
9	12.039	11.993	12.116	BB	259591	2878633	100.00%	5.542%
10	13.035	12.989	13.109	BB	210522	2540186	88.24%	4.891%
11	13.485	13.442	13.567	BB	174188	2197563	76.34%	4.231%
12	13.652	13.613	13.720	BB	203997	2526929	87.78%	4.865%
13	14.243	14.198	14.321	BB	206536	2527708	87.81%	4.867%
14	15.353	15.303	15.429	BB	198289	2549263	88.56%	4.908%
15	16.381	16.330	16.454	BB	187283	2534590	88.05%	4.880%
16	17.338	17.287	17.410	BB	186348	2511002	87.23%	4.835%
17	18.232	18.180	18.300	BB	189134	2583310	89.74%	4.974%
18	19.069	19.020	19.136	BB	180660	2504607	87.01%	4.822%
19	19.856	19.805	19.922	BB	154690	2261777	78.57%	4.355%
20	20.600	20.549	20.667	BB	132183	1919405	66.68%	3.696%
21	21.378	21.318	21.465	BB	86869	1687771	58.63%	3.250%
22	22.363	22.285	22.485	BB	52865	1511163	52.50%	2.910%
Sum of corrected areas:							51937956	

Aliphatic EPH 102925.M Thu Oct 30 04:34:21 2025