

DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

ProjectID: NJ Waste Water PT

Lab Code: ACE

SDG No.: Q3015

Calibration Sequence : FG090525		Test : Diesel Range Organics	
Concentration (PPM)	Area Count	Reference Factor	File ID
1000	113844337	113844	FG016555.D
500	59456306	118913	FG016556.D
200	25421963	127110	FG016557.D
100	12920061	129201	FG016558.D
50	6583572	131671	FG016559.D
AVG RF : 124148		% RSD : 6.034	AVG RT : 15.1874

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016555.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 09:55
 Operator : YP\AJ
 Sample : 100 TRPH STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 TRPH STD

Integration File: autoint1.e
 Quant Time: Sep 06 04:02:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Quant Title :
 QLast Update : Sat Sep 06 04:01:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.193	9963138	95.492 ug/ml
Target Compounds			
1) N-OCTANE	2.106	10992976	97.232 ug/ml
2) N-DECANE	4.657	11360854	96.692 ug/ml
3) N-DODECANE	6.842	11558602	96.315 ug/ml
4) N-TETRADECANE	8.684	11535429	95.695 ug/ml
5) N-HEXADECANE	10.304	11556060	95.437 ug/ml
6) N-OCTADECANE	11.759	11760698	95.242 ug/ml
7) N-EICOSANE	13.080	11762643	95.242 ug/ml
8) N-DOCOSANE	14.288	11371032	95.376 ug/ml
10) N-TETRACOSANE	15.400	11221648	95.483 ug/ml
11) N-HEXACOSANE	16.428	11009282	95.885 ug/ml
12) N-OCTACOSANE	17.385	10708089	96.089 ug/ml
13) N-TRIACONTANE	18.279	10587907	96.645 ug/ml
14) N-DOTRIACONTANE	19.119	10278733	100.903 ug/ml
15) N-TETRATRIACONTANE	19.907	9881829	115.361 ug/ml
16) N-HEXATRIACONTANE	20.652	9456862	135.503 ug/ml
17) N-OCTATRIACONTANE	21.442	9304107	152.588 ug/ml
18) N-TETRACONTANE	22.447	9464423	160.856 ug/ml

(f)=RT Delta > 1/2 Window

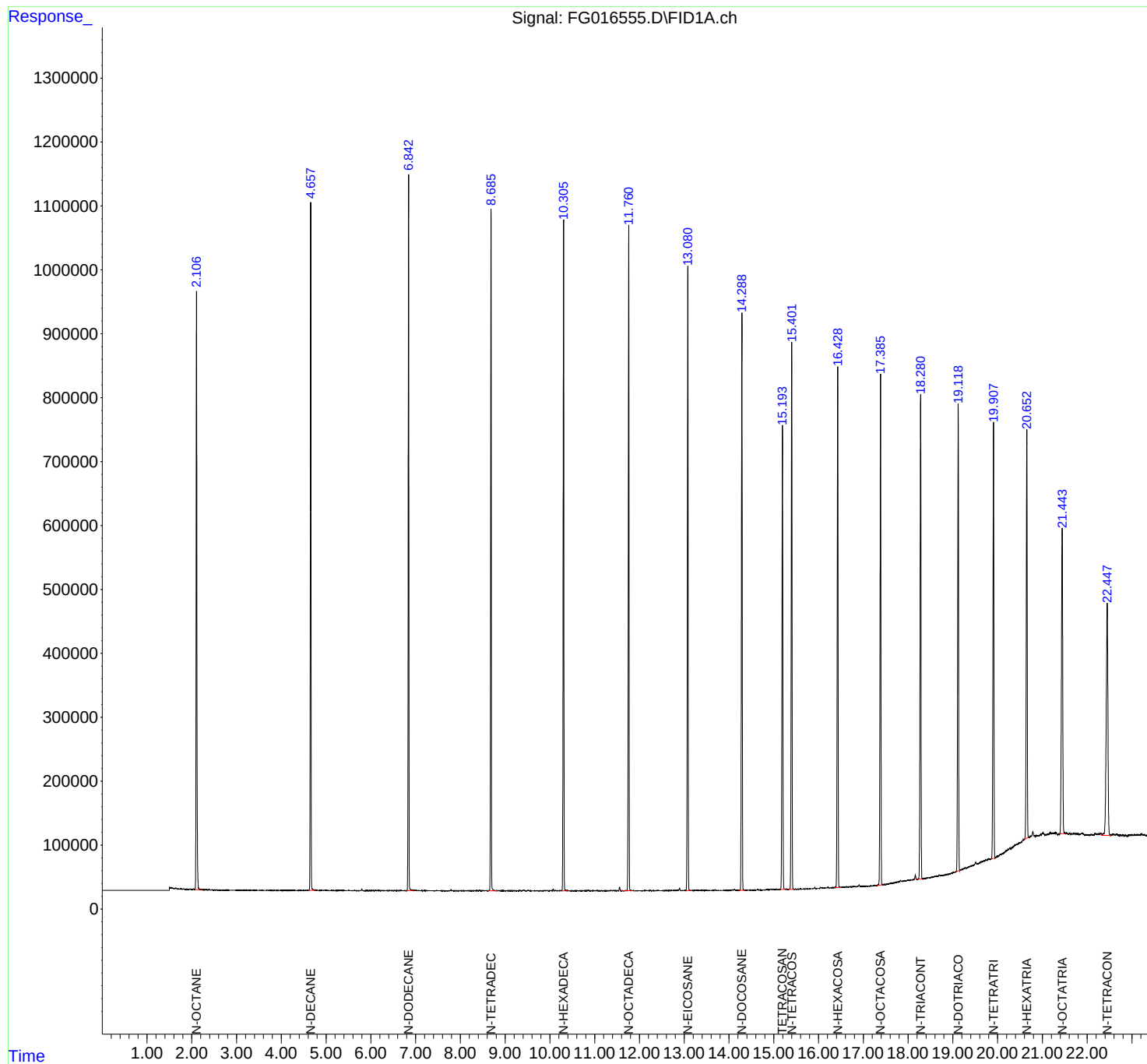
(m)=manual int.

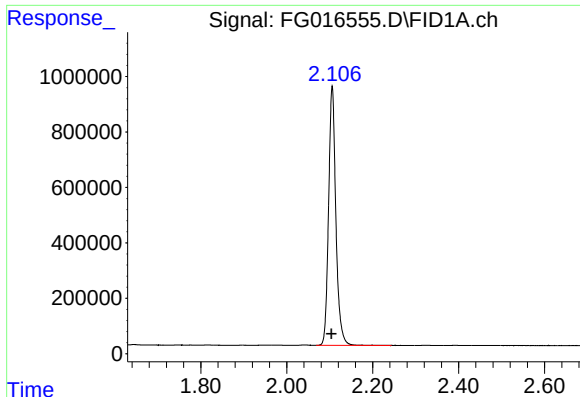
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016555.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 09:55
Operator : YP\AJ
Sample : 100 TRPH STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 TRPH STD

Integration File: autoint1.e
Quant Time: Sep 06 04:02:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Quant Title :
QLast Update : Sat Sep 06 04:01:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

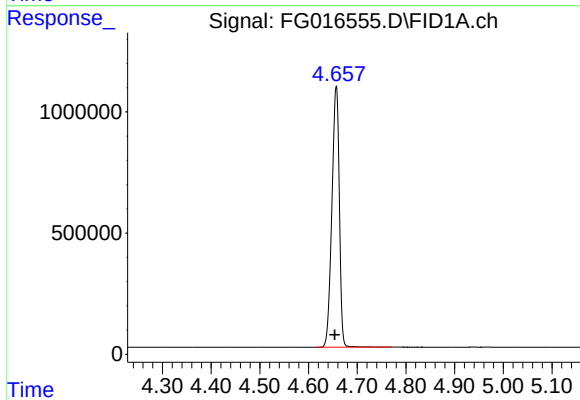




#1 N-OCTANE

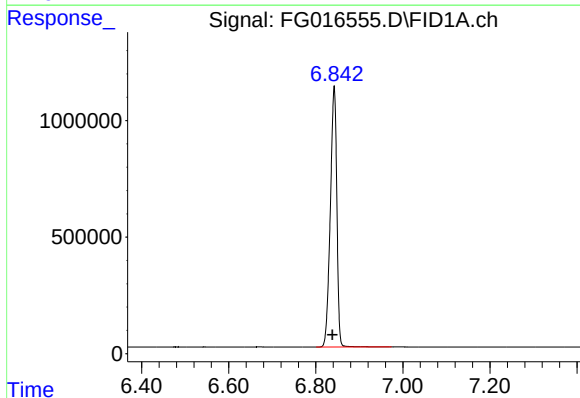
R.T.: 2.106 min
Delta R.T.: 0.002 min
Response: 10992976
Conc: 97.23 ug/ml

Instrument :
FID_G
ClientSampleId :
100 TRPH STD



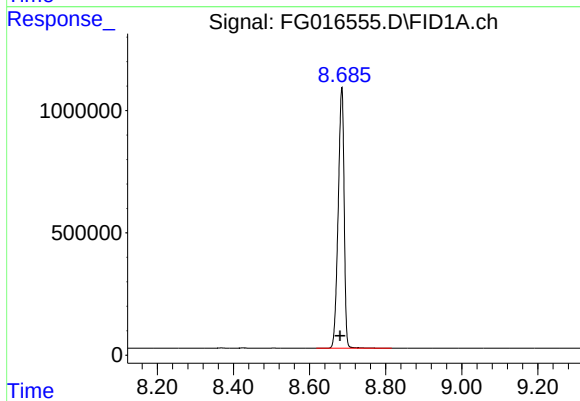
#2 N-DECANE

R.T.: 4.657 min
Delta R.T.: 0.003 min
Response: 11360854
Conc: 96.69 ug/ml



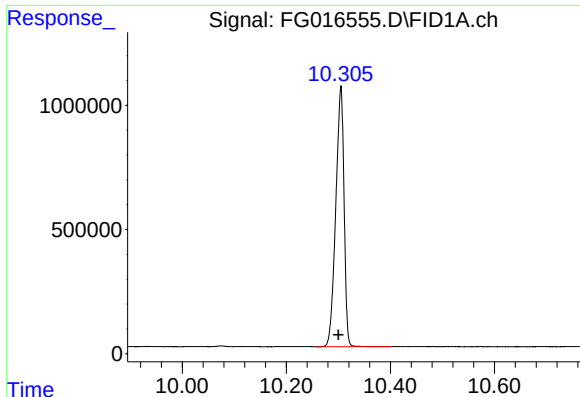
#3 N-DODECANE

R.T.: 6.842 min
Delta R.T.: 0.004 min
Response: 11558602
Conc: 96.31 ug/ml



#4 N-TETRADECANE

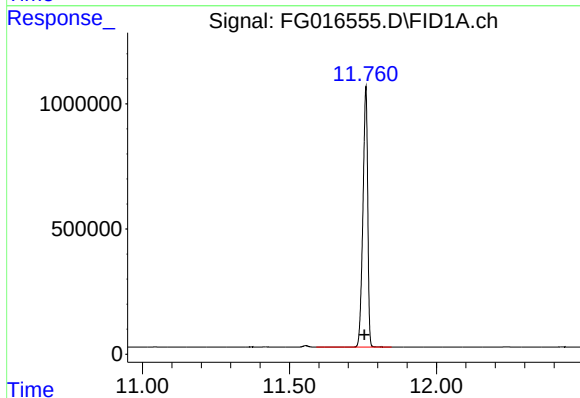
R.T.: 8.684 min
Delta R.T.: 0.004 min
Response: 11535429
Conc: 95.69 ug/ml



#5 N-HEXADECANE

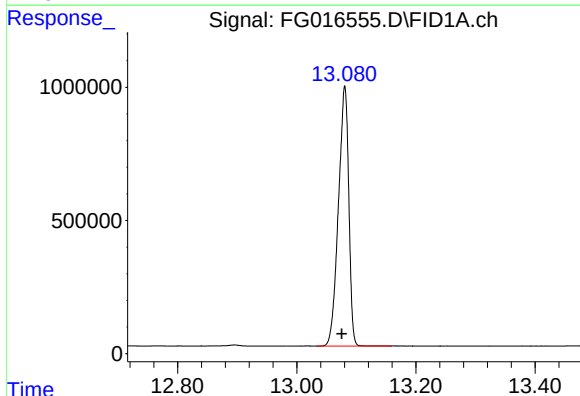
R.T.: 10.304 min
Delta R.T.: 0.004 min
Response: 11556060
Conc: 95.44 ug/ml

Instrument :
FID_G
ClientSampleId :
100 TRPH STD



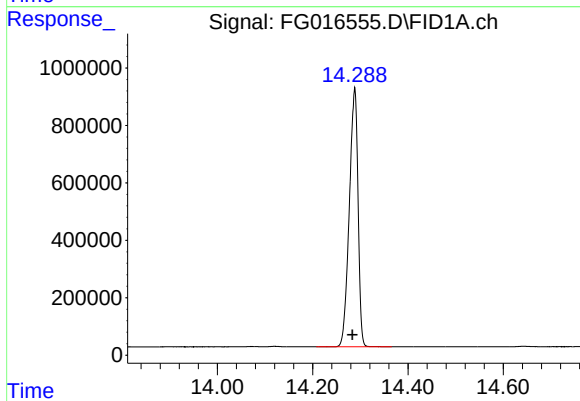
#6 N-OCTADECANE

R.T.: 11.759 min
Delta R.T.: 0.005 min
Response: 11760698
Conc: 95.24 ug/ml



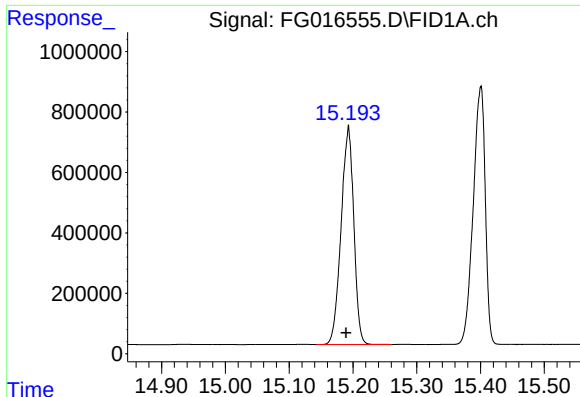
#7 N-EICOSANE

R.T.: 13.080 min
Delta R.T.: 0.005 min
Response: 11762643
Conc: 95.24 ug/ml



#8 N-DOCOSANE

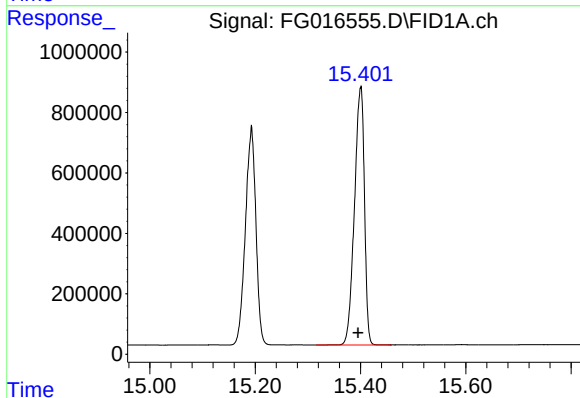
R.T.: 14.288 min
Delta R.T.: 0.005 min
Response: 11371032
Conc: 95.38 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

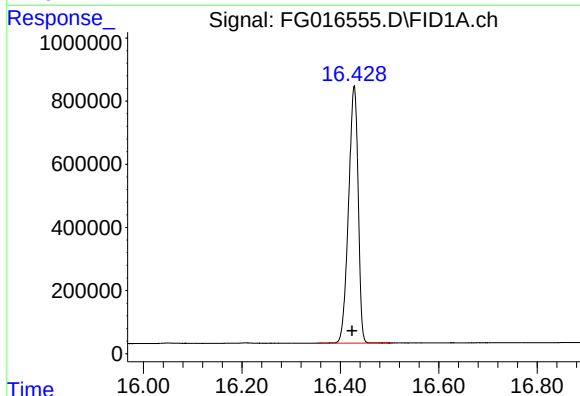
R.T.: 15.193 min
Delta R.T.: 0.003 min
Response: 9963138
Conc: 95.49 ug/ml

Instrument :
FID_G
ClientSampleId :
100 TRPH STD



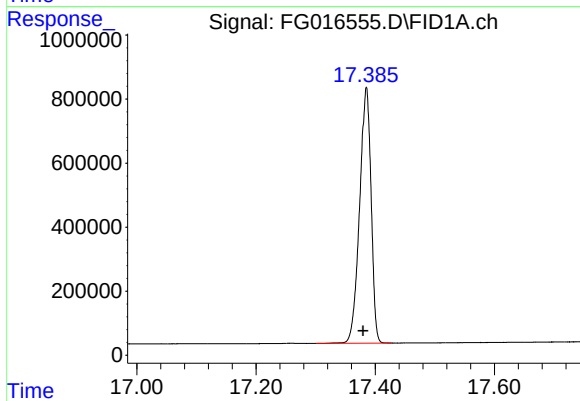
#10 N-TETRACOSANE

R.T.: 15.400 min
Delta R.T.: 0.005 min
Response: 11221648
Conc: 95.48 ug/ml



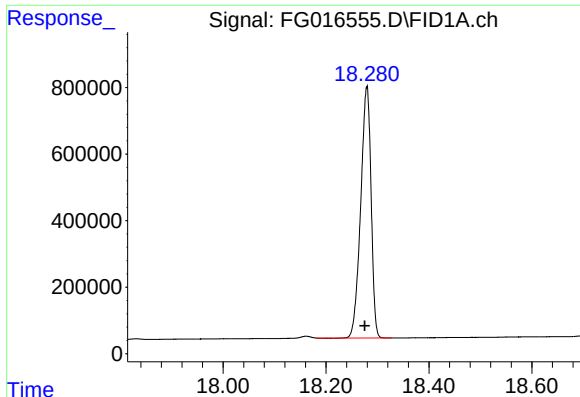
#11 N-HEXACOSANE

R.T.: 16.428 min
Delta R.T.: 0.004 min
Response: 11009282
Conc: 95.88 ug/ml



#12 N-OCTACOSANE

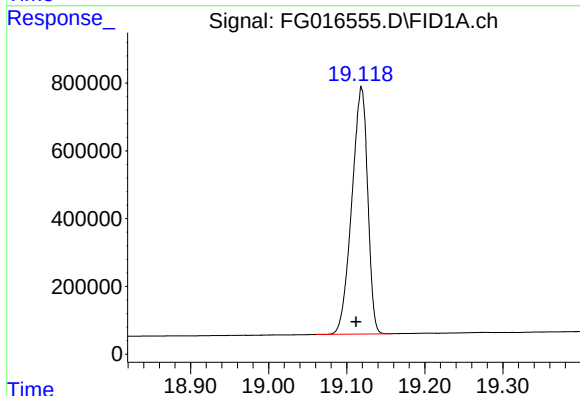
R.T.: 17.385 min
Delta R.T.: 0.006 min
Response: 10708089
Conc: 96.09 ug/ml



#13 N-TRIACONTANE

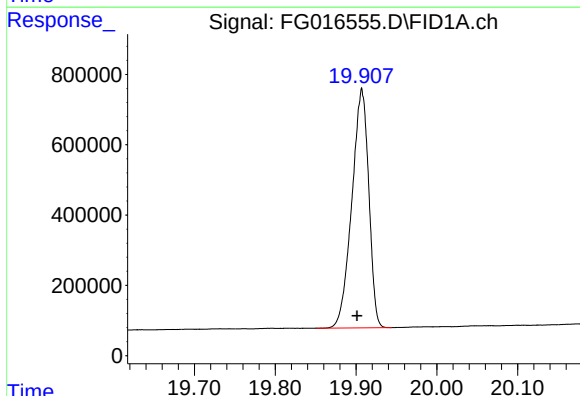
R.T.: 18.279 min
Delta R.T.: 0.004 min
Response: 10587907
Conc: 96.64 ug/ml

Instrument :
FID_G
ClientSampleId :
100 TRPH STD



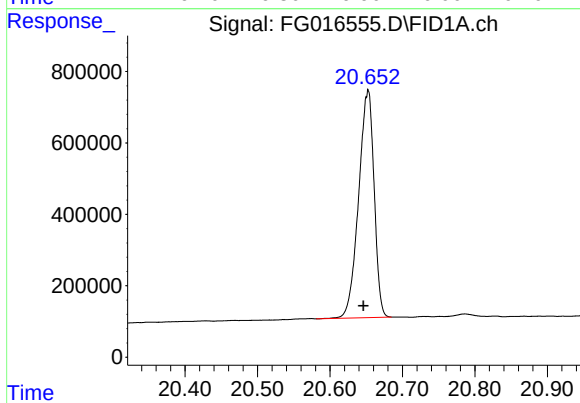
#14 N-DOTRIACONTANE

R.T.: 19.119 min
Delta R.T.: 0.007 min
Response: 10278733
Conc: 100.90 ug/ml



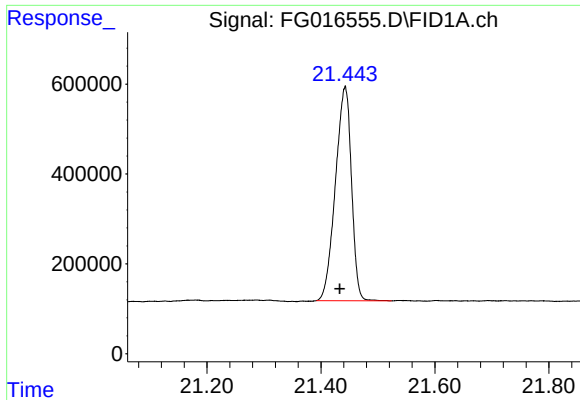
#15 N-TETRATRIACONTANE

R.T.: 19.907 min
Delta R.T.: 0.006 min
Response: 9881829
Conc: 115.36 ug/ml



#16 N-HEXATRIACONTANE

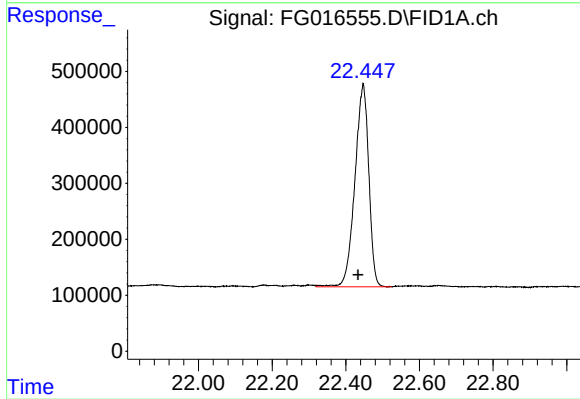
R.T.: 20.652 min
Delta R.T.: 0.006 min
Response: 9456862
Conc: 135.50 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.442 min
Delta R.T.: 0.009 min
Response: 9304107
Conc: 152.59 ug/ml

Instrument :
FID_G
ClientSampleId :
100 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.447 min
Delta R.T.: 0.013 min
Response: 9464423
Conc: 160.86 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016555.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 09:55
 Sample : 100 TRPH STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.106	2.068	2.244	VB	936281	10992976	93.46%	5.673%
2	4.657	4.616	4.771	BB	1082051	11360854	96.58%	5.863%
3	6.842	6.801	6.974	BV	1124316	11558602	98.27%	5.965%
4	8.684	8.617	8.816	BB	1061474	11535429	98.07%	5.953%
5	10.304	10.257	10.402	PB	1039062	11556060	98.24%	5.964%
6	11.759	11.591	11.847	PB	1032437	11760698	99.98%	6.069%
7	13.080	13.032	13.159	BB	978267	11762643	100.00%	6.070%
8	14.288	14.207	14.366	BB	896608	11371032	96.67%	5.868%
9	15.193	15.142	15.261	PV	717004	9963138	84.70%	5.142%
10	15.400	15.316	15.459	BB	856792	11221648	95.40%	5.791%
11	16.428	16.351	16.504	BB	813405	11009282	93.60%	5.681%
12	17.385	17.301	17.427	BV	803355	10708089	91.03%	5.526%
13	18.279	18.181	18.327	BV	755761	10587907	90.01%	5.464%
14	19.119	19.061	19.157	BV	728524	10278733	87.38%	5.304%
15	19.907	19.851	19.944	BV	681346	9881829	84.01%	5.100%
16	20.652	20.581	20.685	BBA	638550	9456862	80.40%	4.880%
17	21.442	21.392	21.524	BV	476007	9304107	79.10%	4.802%
18	22.447	22.320	22.525	VV	363702	9464423	80.46%	4.884%
Sum of corrected areas:						193774311		

FG090525.M Sat Sep 06 04:14:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016556.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 10:25
 Operator : YP\AJ
 Sample : 50 TRPH STD
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 TRPH STD

Integration File: autoint1.e
 Quant Time: Sep 06 04:02:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Quant Title :
 QLast Update : Sat Sep 06 04:01:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.189	5216724	50.000 ug/ml
Target Compounds			
1) N-OCTANE	2.104	5652934	50.000 ug/ml
2) N-DECANE	4.654	5874749	50.000 ug/ml
3) N-DODECANE	6.838	6000442	50.000 ug/ml
4) N-TETRADECANE	8.680	6027209	50.000 ug/ml
5) N-HEXADECANE	10.300	6054304	50.000 ug/ml
6) N-OCTADECANE	11.755	6174136	50.000 ug/ml
7) N-EICOSANE	13.076	6175156	50.000 ug/ml
8) N-DOCOSANE	14.283	5961175	50.000 ug/ml
10) N-TETRACOSANE	15.395	5876263	50.000 ug/ml
11) N-HEXACOSANE	16.424	5740894	50.000 ug/ml
12) N-OCTACOSANE	17.379	5571978	50.000 ug/ml
13) N-TRIACONTANE	18.275	5477739	50.000 ug/ml
14) N-DOTRIACONTANE	19.112	5093375	50.000 ug/ml
15) N-TETRATRIACONTANE	19.901	4283002	50.000 ug/ml
16) N-HEXATRIACONTANE	20.646	3489532	50.000 ug/ml
17) N-OCTATRIACONTANE	21.433	3048771	50.000 ug/ml
18) N-TETRACONTANE	22.434	2941895	50.000 ug/ml

(f)=RT Delta > 1/2 Window

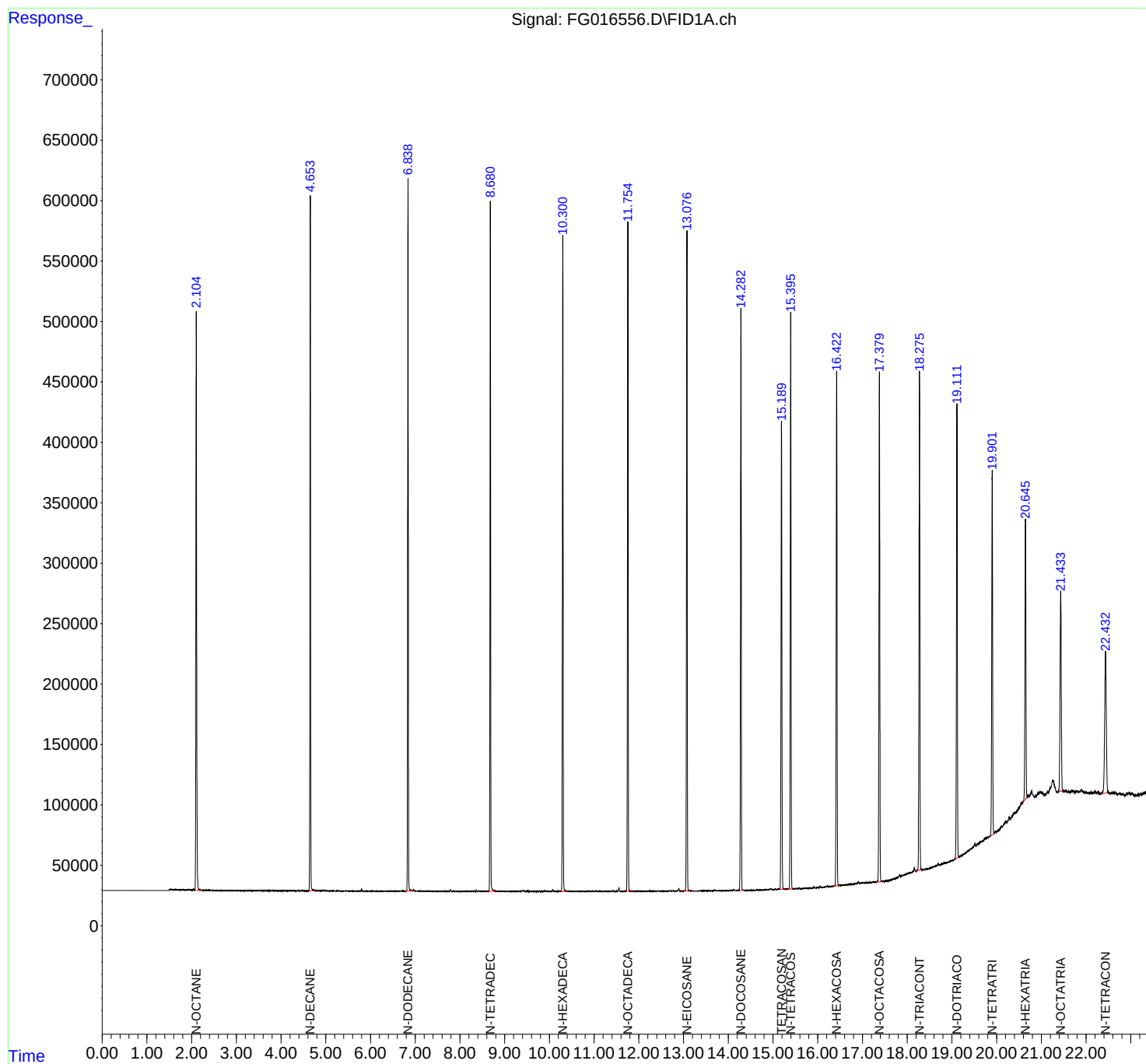
(m)=manual int.

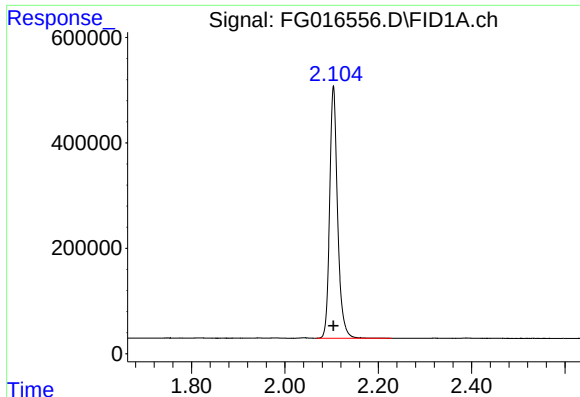
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016556.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 10:25
Operator : YP\AJ
Sample : 50 TRPH STD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 TRPH STD

Integration File: autoint1.e
Quant Time: Sep 06 04:02:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Quant Title :
QLast Update : Sat Sep 06 04:01:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

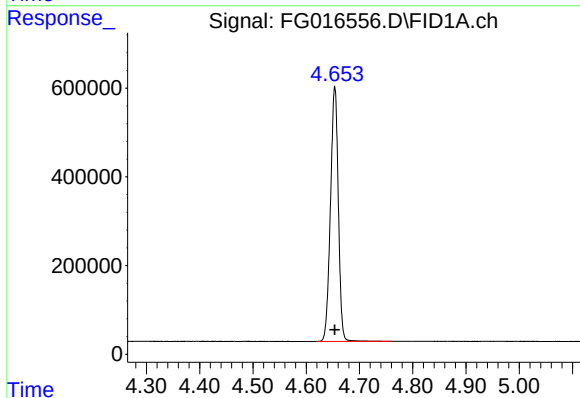




#1 N-OCTANE

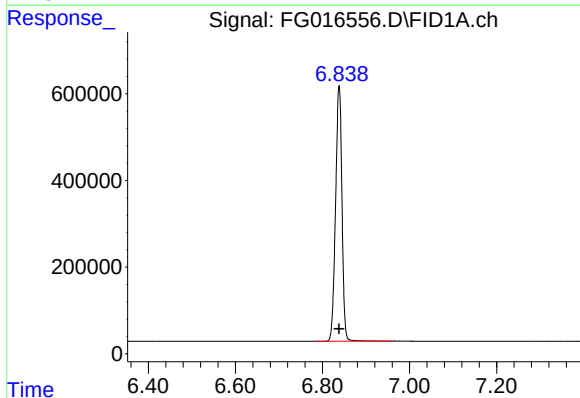
R.T.: 2.104 min
Delta R.T.: 0.000 min
Response: 5652934
Conc: 50.00 ug/ml

Instrument :
FID_G
ClientSampleId :
50 TRPH STD



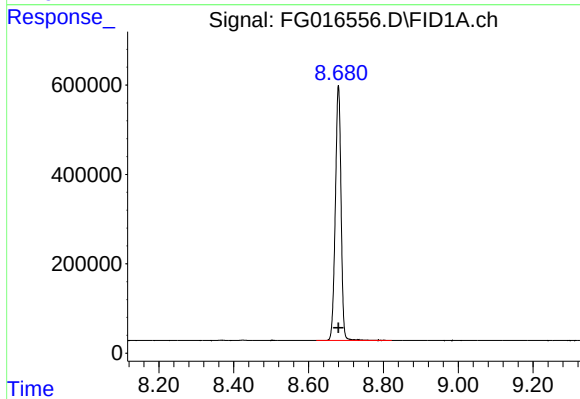
#2 N-DECANE

R.T.: 4.654 min
Delta R.T.: 0.000 min
Response: 5874749
Conc: 50.00 ug/ml



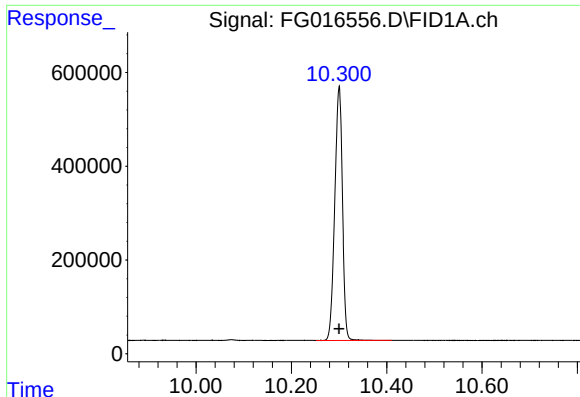
#3 N-DODECANE

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 6000442
Conc: 50.00 ug/ml



#4 N-TETRADECANE

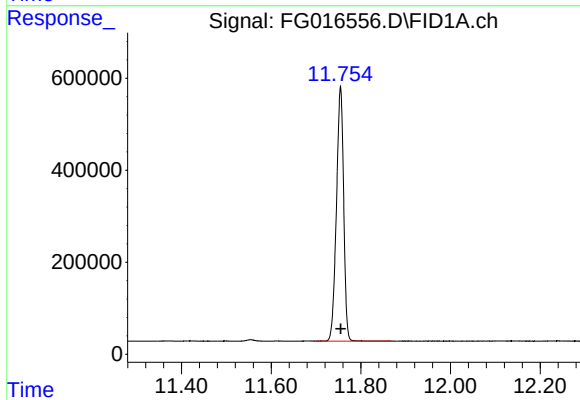
R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 6027209
Conc: 50.00 ug/ml



#5 N-HEXADECANE

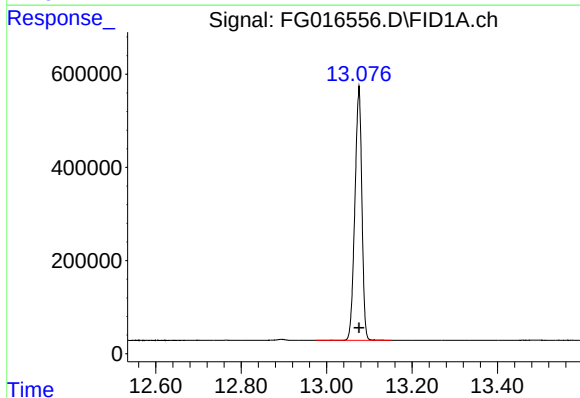
R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 6054304
Conc: 50.00 ug/ml

Instrument :
FID_G
ClientSampleId :
50 TRPH STD



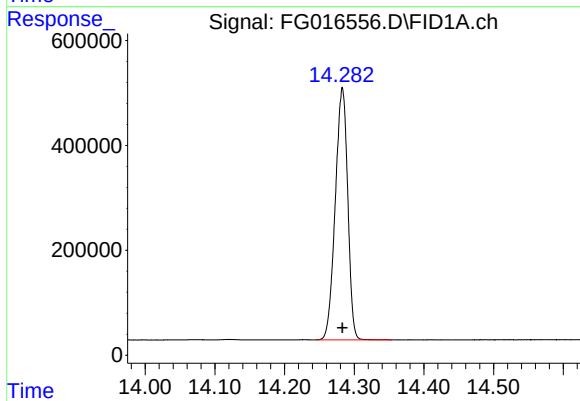
#6 N-OCTADECANE

R.T.: 11.755 min
Delta R.T.: 0.000 min
Response: 6174136
Conc: 50.00 ug/ml



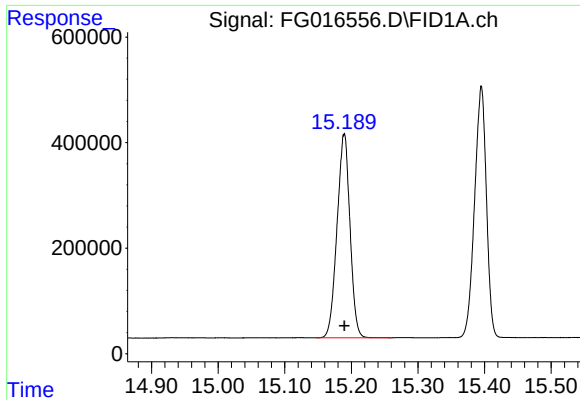
#7 N-EICOSANE

R.T.: 13.076 min
Delta R.T.: 0.000 min
Response: 6175156
Conc: 50.00 ug/ml



#8 N-DOCOSANE

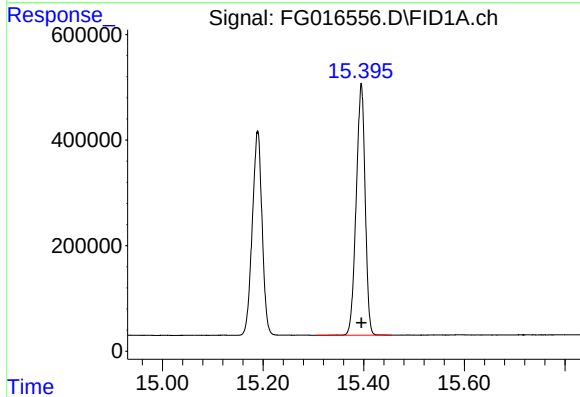
R.T.: 14.283 min
Delta R.T.: 0.000 min
Response: 5961175
Conc: 50.00 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

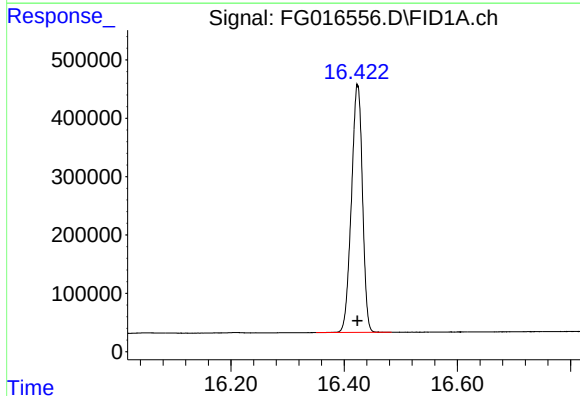
R.T.: 15.189 min
Delta R.T.: 0.000 min
Response: 5216724
Conc: 50.00 ug/ml

Instrument :
FID_G
ClientSampleId :
50 TRPH STD



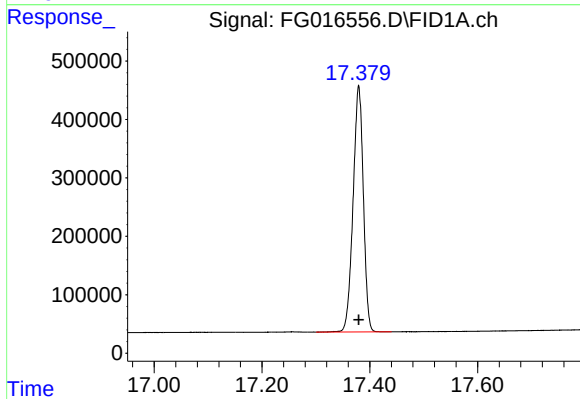
#10 N-TETRACOSANE

R.T.: 15.395 min
Delta R.T.: 0.000 min
Response: 5876263
Conc: 50.00 ug/ml



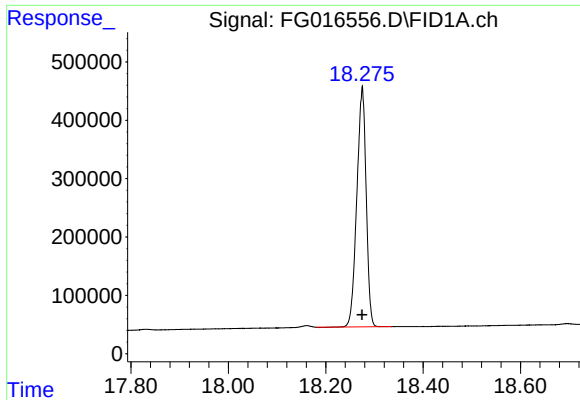
#11 N-HEXACOSANE

R.T.: 16.424 min
Delta R.T.: 0.000 min
Response: 5740894
Conc: 50.00 ug/ml



#12 N-OCTACOSANE

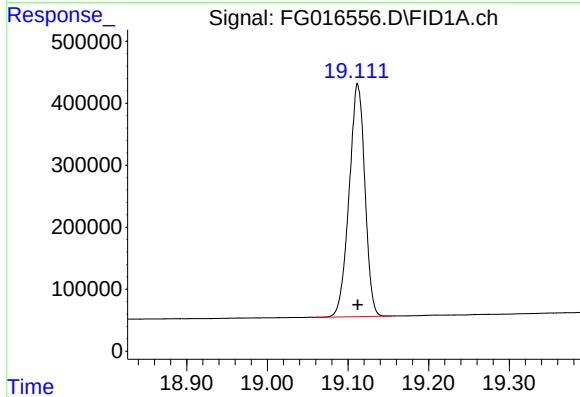
R.T.: 17.379 min
Delta R.T.: 0.000 min
Response: 5571978
Conc: 50.00 ug/ml



#13 N-TRIACONTANE

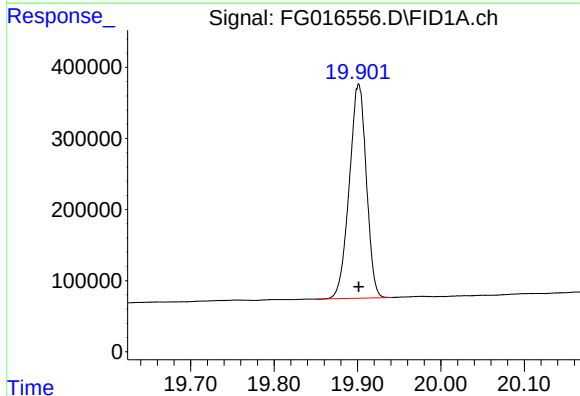
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 5477739
Conc: 50.00 ug/ml

Instrument :
FID_G
ClientSampleId :
50 TRPH STD



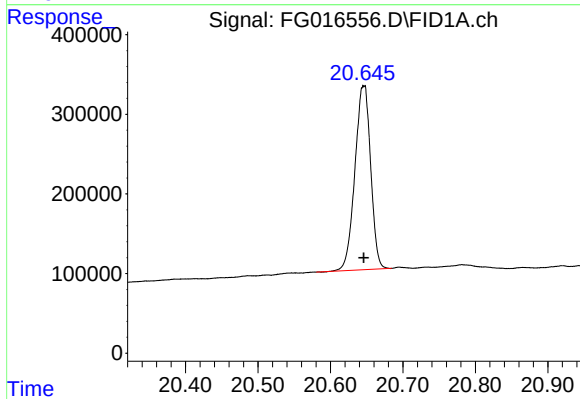
#14 N-DOTRIACONTANE

R.T.: 19.112 min
Delta R.T.: 0.000 min
Response: 5093375
Conc: 50.00 ug/ml



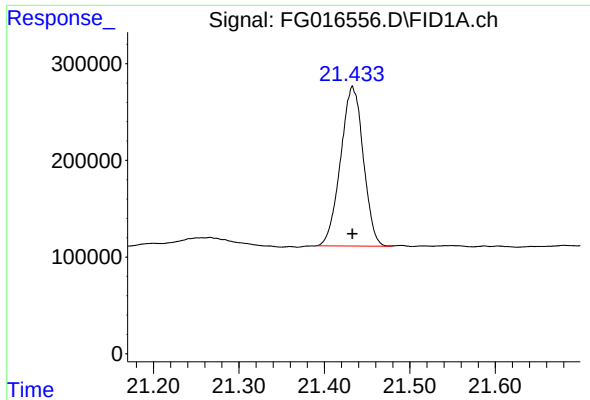
#15 N-TETRATRIACONTANE

R.T.: 19.901 min
Delta R.T.: 0.000 min
Response: 4283002
Conc: 50.00 ug/ml



#16 N-HEXATRIACONTANE

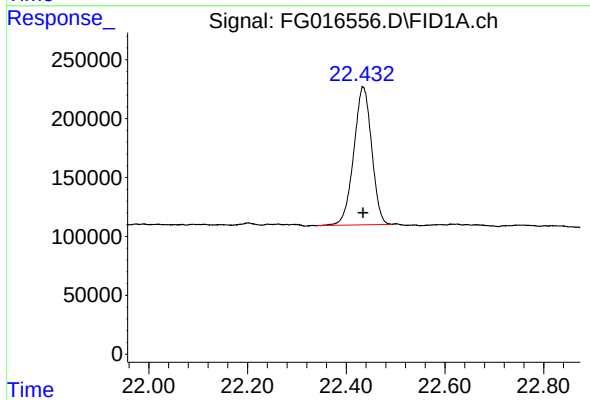
R.T.: 20.646 min
Delta R.T.: 0.000 min
Response: 3489532
Conc: 50.00 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.433 min
Delta R.T.: 0.000 min
Response: 3048771
Conc: 50.00 ug/ml

Instrument :
FID_G
ClientSampleId :
50 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.434 min
Delta R.T.: 0.000 min
Response: 2941895
Conc: 50.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016556.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 10:25
 Sample : 50 TRPH STD
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.104	2.067	2.229	PB	478305	5652934	91.54%	5.972%
2	4.654	4.619	4.760	BB	574736	5874749	95.14%	6.206%
3	6.838	6.785	6.959	BV	589817	6000442	97.17%	6.339%
4	8.680	8.620	8.822	BB	570098	6027209	97.60%	6.367%
5	10.300	10.252	10.410	BB	542727	6054304	98.04%	6.396%
6	11.755	11.700	11.869	BB	552622	6174136	99.98%	6.522%
7	13.076	12.975	13.152	BB	539141	6175156	100.00%	6.523%
8	14.283	14.245	14.354	VB	479655	5961175	96.53%	6.297%
9	15.189	15.147	15.260	VV	386223	5216724	84.48%	5.511%
10	15.395	15.305	15.455	BV	477157	5876263	95.16%	6.208%
11	16.424	16.350	16.484	BB	422282	5740894	92.97%	6.065%
12	17.379	17.300	17.440	BV	421471	5571978	90.23%	5.886%
13	18.275	18.180	18.335	BV	413031	5477739	88.71%	5.787%
14	19.112	19.060	19.154	BV	375129	5093375	82.48%	5.381%
15	19.901	19.850	19.941	BV	301888	4283002	69.36%	4.525%
16	20.646	20.580	20.685	BBA	230965	3489532	56.51%	3.686%
17	21.433	21.390	21.479	BV	165089	3048771	49.37%	3.221%
18	22.434	22.339	22.492	PV	116914	2941895	47.64%	3.108%
Sum of corrected areas:							94660277	

FG090525.M Sat Sep 06 04:15:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016557.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 10:55
 Operator : YP\AJ
 Sample : 20 TRPH STD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 TRPH STD

Integration File: autoint1.e
 Quant Time: Sep 06 04:03:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Quant Title :
 QLast Update : Sat Sep 06 04:01:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.186	2241126	21.480 ug/ml
Target Compounds			
1) N-OCTANE	2.105	2409136	21.309 ug/ml
2) N-DECANE	4.653	2489830	21.191 ug/ml
3) N-DODECANE	6.837	2538981	21.157 ug/ml
4) N-TETRADECANE	8.678	2557632	21.217 ug/ml
5) N-HEXADECANE	10.298	2579911	21.306 ug/ml
6) N-OCTADECANE	11.752	2640624	21.385 ug/ml
7) N-EICOSANE	13.073	2647345	21.435 ug/ml
8) N-DOCOSANE	14.280	2557172	21.449 ug/ml
10) N-TETRACOSANE	15.392	2528742	21.517 ug/ml
11) N-HEXACOSANE	16.421	2475636	21.561 ug/ml
12) N-OCTACOSANE	17.378	2406090	21.591 ug/ml
13) N-TRIACONTANE	18.271	2379621	21.721 ug/ml
14) N-DOTRIACONTANE	19.109	2203523	21.631 ug/ml
15) N-TETRATRIACONTANE	19.898	1854605	21.651 ug/ml
16) N-HEXATRIACONTANE	20.641	1495316	21.426 ug/ml
17) N-OCTATRIACONTANE	21.429	1275861	20.924 ug/ml
18) N-TETRACONTANE	22.432	1146471	19.485 ug/ml

(f)=RT Delta > 1/2 Window

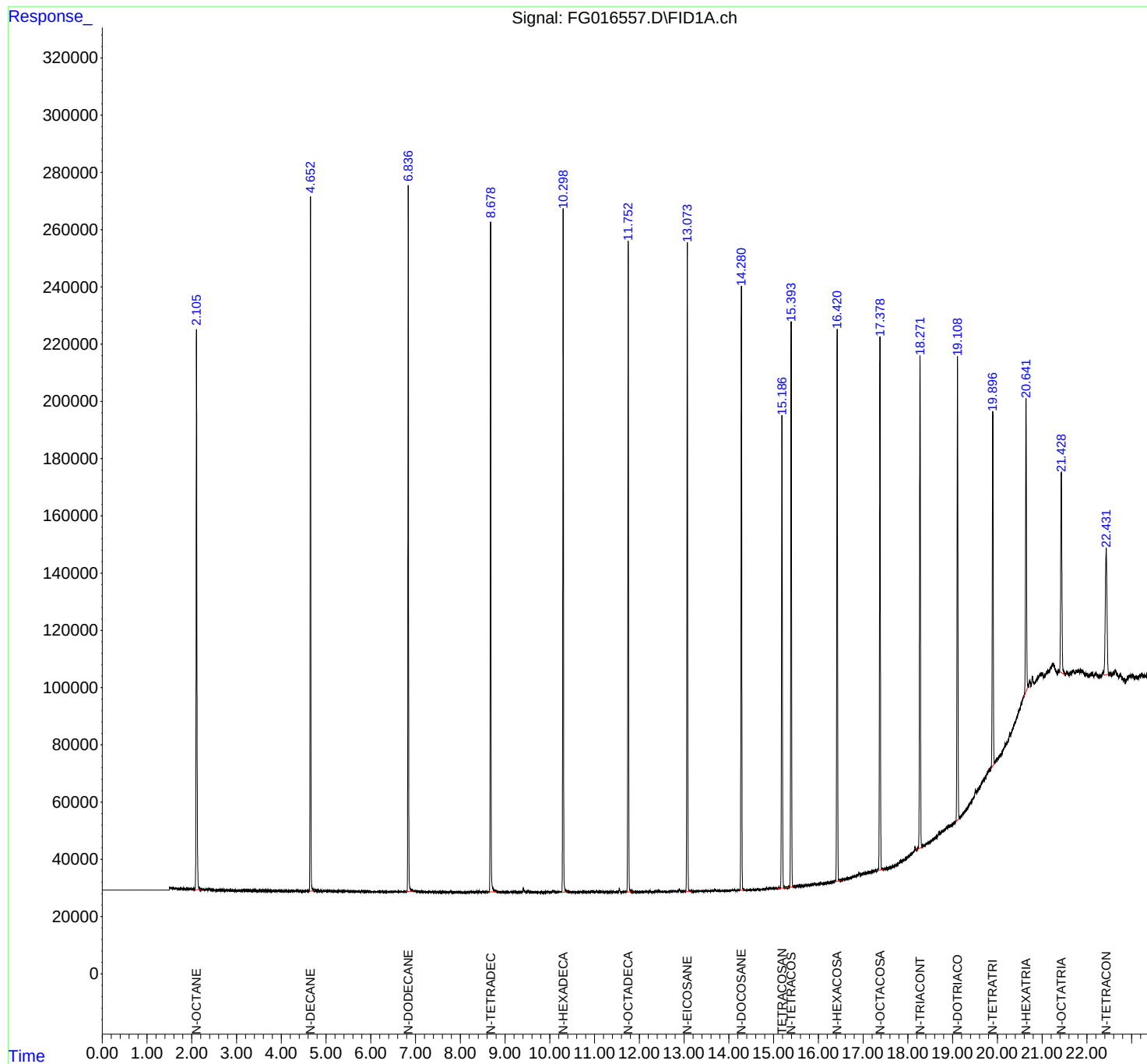
(m)=manual int.

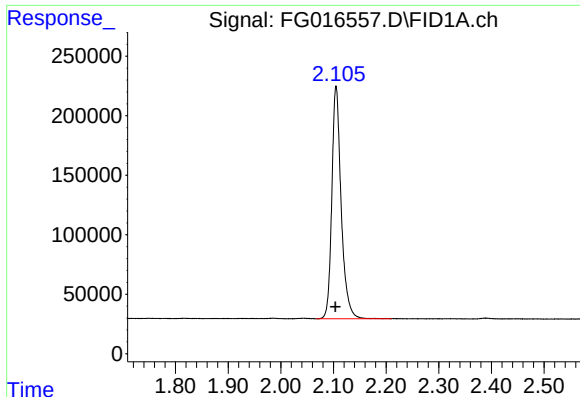
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016557.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 10:55
Operator : YP\AJ
Sample : 20 TRPH STD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 TRPH STD

Integration File: autoint1.e
Quant Time: Sep 06 04:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Quant Title :
QLast Update : Sat Sep 06 04:01:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

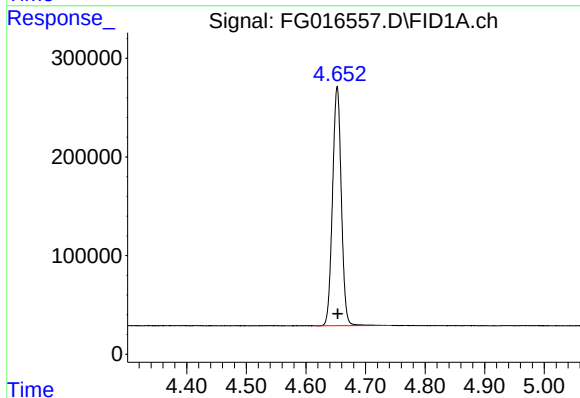




#1 N-OCTANE

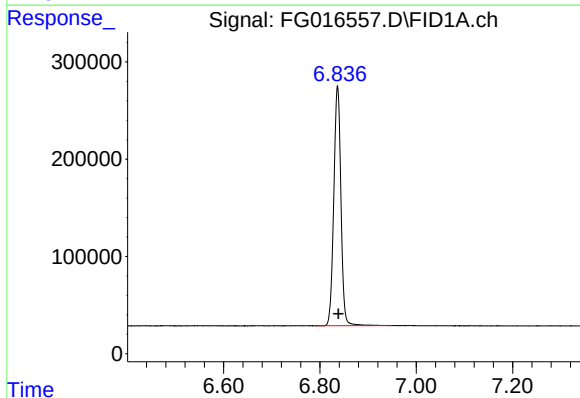
R.T.: 2.105 min
Delta R.T.: 0.001 min
Response: 2409136
Conc: 21.31 ug/ml

Instrument :
FID_G
ClientSampleId :
20 TRPH STD



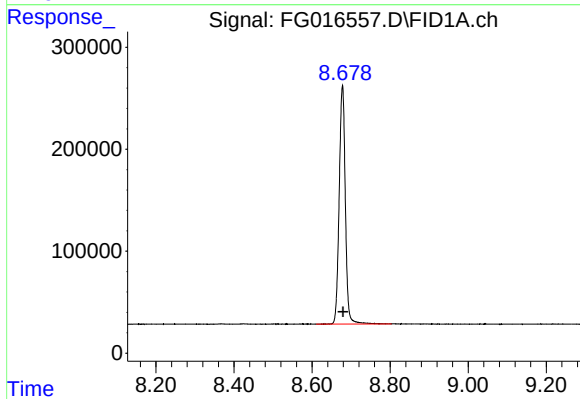
#2 N-DECANE

R.T.: 4.653 min
Delta R.T.: -0.001 min
Response: 2489830
Conc: 21.19 ug/ml



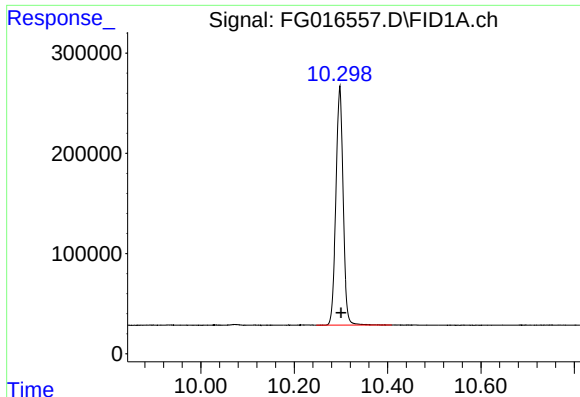
#3 N-DODECANE

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 2538981
Conc: 21.16 ug/ml



#4 N-TETRADECANE

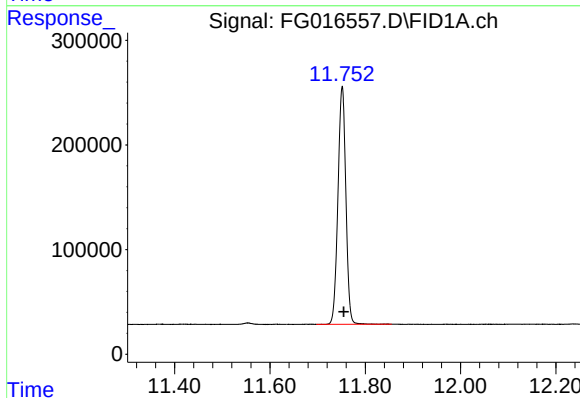
R.T.: 8.678 min
Delta R.T.: -0.002 min
Response: 2557632
Conc: 21.22 ug/ml



#5 N-HEXADECANE

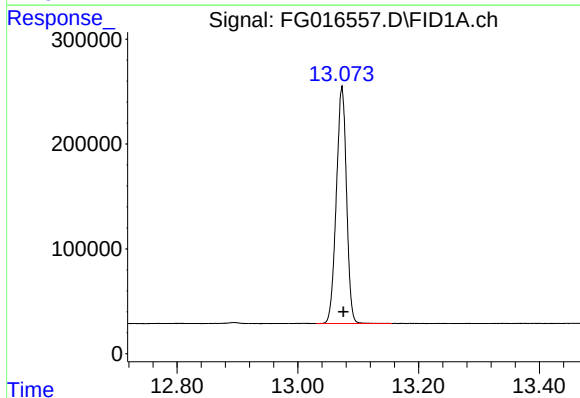
R.T.: 10.298 min
Delta R.T.: -0.002 min
Response: 2579911
Conc: 21.31 ug/ml

Instrument :
FID_G
ClientSampleId :
20 TRPH STD



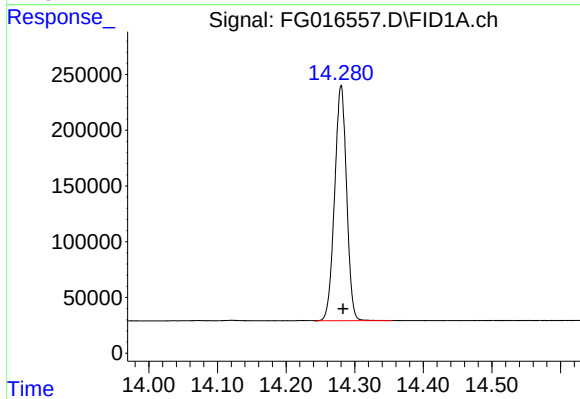
#6 N-OCTADECANE

R.T.: 11.752 min
Delta R.T.: -0.003 min
Response: 2640624
Conc: 21.38 ug/ml



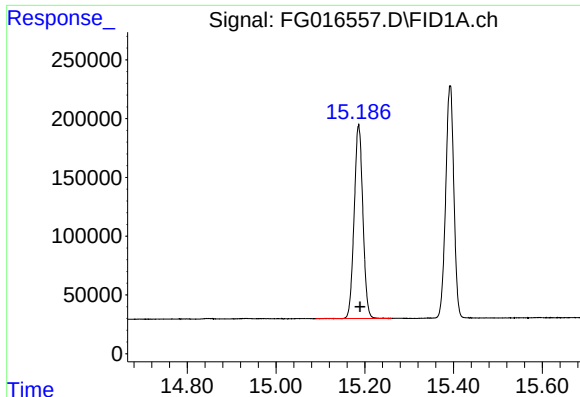
#7 N-EICOSANE

R.T.: 13.073 min
Delta R.T.: -0.003 min
Response: 2647345
Conc: 21.44 ug/ml



#8 N-DOCOSANE

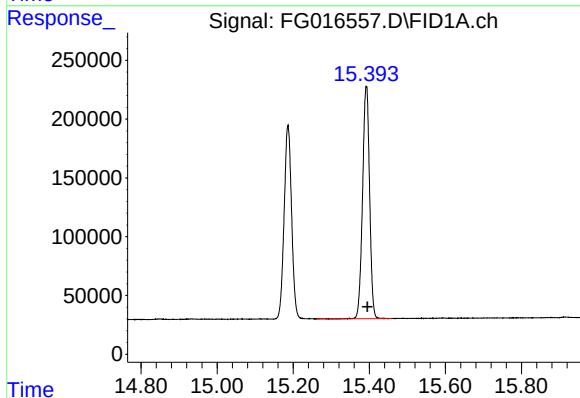
R.T.: 14.280 min
Delta R.T.: -0.003 min
Response: 2557172
Conc: 21.45 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

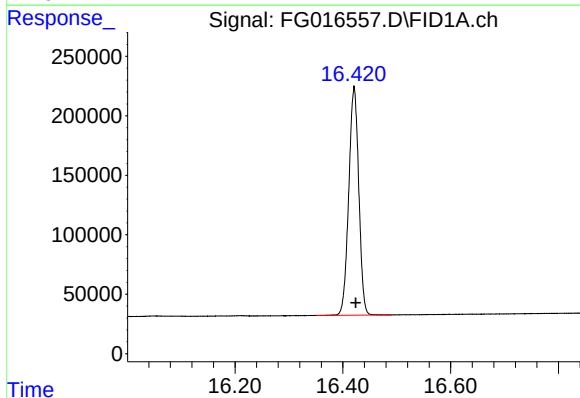
R.T.: 15.186 min
Delta R.T.: -0.003 min
Response: 2241126
Conc: 21.48 ug/ml

Instrument :
FID_G
ClientSampleId :
20 TRPH STD



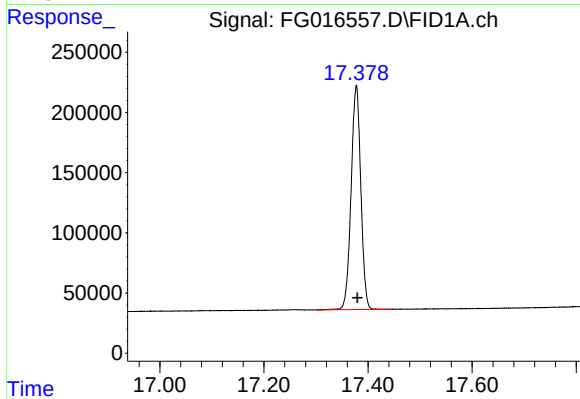
#10 N-TETRACOSANE

R.T.: 15.392 min
Delta R.T.: -0.003 min
Response: 2528742
Conc: 21.52 ug/ml



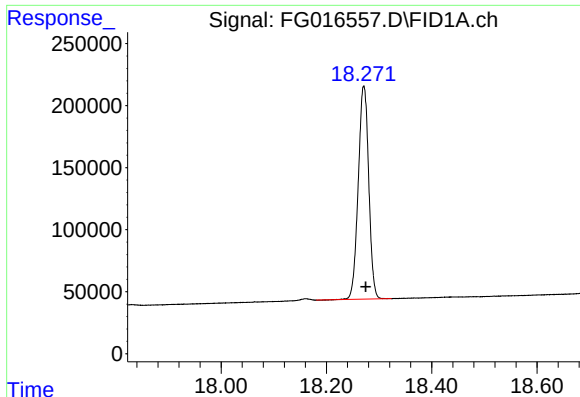
#11 N-HEXACOSANE

R.T.: 16.421 min
Delta R.T.: -0.003 min
Response: 2475636
Conc: 21.56 ug/ml



#12 N-OCTACOSANE

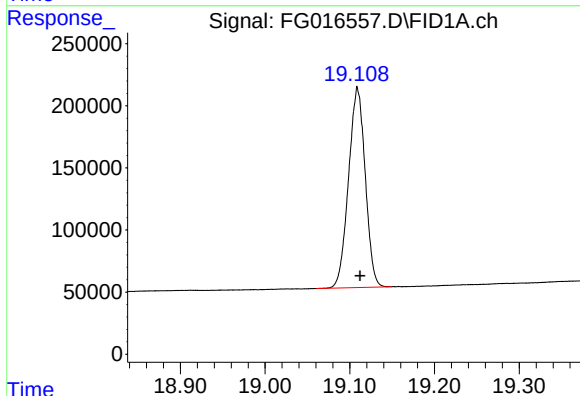
R.T.: 17.378 min
Delta R.T.: -0.002 min
Response: 2406090
Conc: 21.59 ug/ml



#13 N-TRIACONTANE

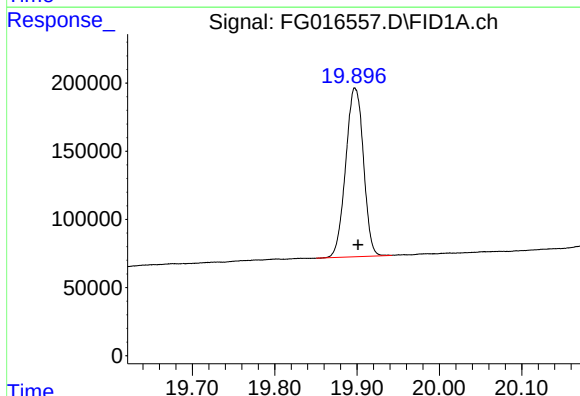
R.T.: 18.271 min
Delta R.T.: -0.004 min
Response: 2379621
Conc: 21.72 ug/ml

Instrument :
FID_G
ClientSampleId :
20 TRPH STD



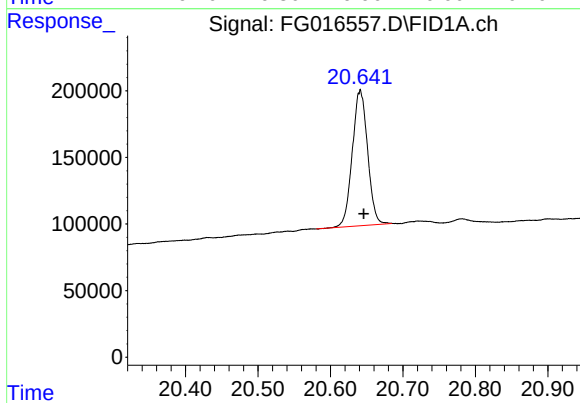
#14 N-DOTRIACONTANE

R.T.: 19.109 min
Delta R.T.: -0.003 min
Response: 2203523
Conc: 21.63 ug/ml



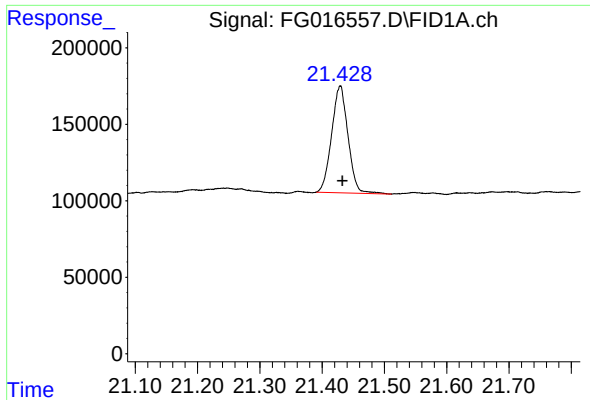
#15 N-TETRATRIACONTANE

R.T.: 19.898 min
Delta R.T.: -0.004 min
Response: 1854605
Conc: 21.65 ug/ml



#16 N-HEXATRIACONTANE

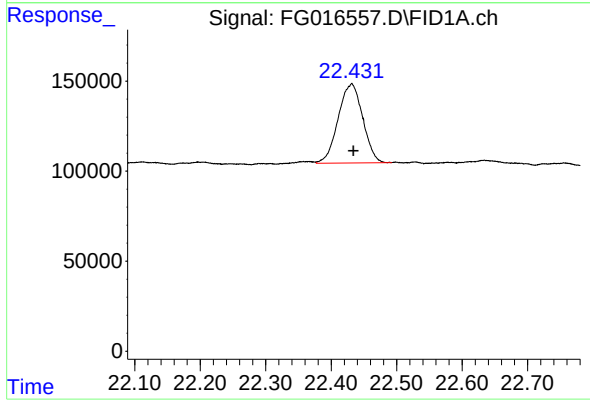
R.T.: 20.641 min
Delta R.T.: -0.005 min
Response: 1495316
Conc: 21.43 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.429 min
Delta R.T.: -0.004 min
Response: 1275861
Conc: 20.92 ug/ml

Instrument :
FID_G
ClientSampleId :
20 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.432 min
Delta R.T.: -0.002 min
Response: 1146471
Conc: 19.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016557.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 10:55
Sample : 20 TRPH STD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.105	2.067	2.210	BB	195715	2409136	91.00%	5.959%
2	4.653	4.617	4.744	BB	242377	2489830	94.05%	6.159%
3	6.837	6.792	6.949	BB	246118	2538981	95.91%	6.280%
4	8.678	8.610	8.804	BB	234979	2557632	96.61%	6.326%
5	10.298	10.247	10.409	BB	237139	2579911	97.45%	6.382%
6	11.752	11.697	11.855	BB	227487	2640624	99.75%	6.532%
7	13.073	13.030	13.155	BV	226509	2647345	100.00%	6.548%
8	14.280	14.244	14.354	BB	211053	2557172	96.59%	6.325%
9	15.186	15.090	15.260	BV	164193	2241126	84.66%	5.544%
10	15.392	15.260	15.459	PV	197854	2528742	95.52%	6.255%
11	16.421	16.350	16.490	BB	191806	2475636	93.51%	6.124%
12	17.378	17.300	17.445	BB	185946	2406090	90.89%	5.952%
13	18.271	18.180	18.324	BV	171765	2379621	89.89%	5.886%
14	19.109	19.060	19.150	BV	161460	2203523	83.24%	5.451%
15	19.898	19.850	19.942	BV	123998	1854605	70.06%	4.587%
16	20.641	20.580	20.685	BBA	100968	1495316	56.48%	3.699%
17	21.429	21.390	21.512	BV	70036	1275861	48.19%	3.156%
18	22.432	22.377	22.492	VV	44193	1146471	43.31%	2.836%
Sum of corrected areas:						40427623		

FG090525.M Sat Sep 06 04:15:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016558.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 11:24
 Operator : YP\AJ
 Sample : 10 TRPH STD
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 TRPH STD

Integration File: autoint1.e
 Quant Time: Sep 06 04:03:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Quant Title :
 QLast Update : Sat Sep 06 04:01:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.185	1138925	10.916 ug/ml
Target Compounds			
1) N-OCTANE	2.105	1227497	10.857 ug/ml
2) N-DECANE	4.652	1265194	10.768 ug/ml
3) N-DODECANE	6.835	1278776	10.656 ug/ml
4) N-TETRADECANE	8.678	1294626	10.740 ug/ml
5) N-HEXADECANE	10.296	1301872	10.752 ug/ml
6) N-OCTADECANE	11.751	1337625	10.832 ug/ml
7) N-EICOSANE	13.071	1348967	10.923 ug/ml
8) N-DOCOSANE	14.278	1305358	10.949 ug/ml
10) N-TETRACOSANE	15.391	1292479	10.997 ug/ml
11) N-HEXACOSANE	16.419	1260557	10.979 ug/ml
12) N-OCTACOSANE	17.375	1234607	11.079 ug/ml
13) N-TRIACONTANE	18.269	1215766	11.097 ug/ml
14) N-DOTRIACONTANE	19.108	1148787	11.277 ug/ml
15) N-TETRATRIACONTANE	19.898	982687	11.472 ug/ml
16) N-HEXATRIACONTANE	20.642	829540	11.886 ug/ml
17) N-OCTATRIACONTANE	21.429	711251	11.665 ug/ml
18) N-TETRACONTANE	22.431	699748	11.893 ug/ml

(f)=RT Delta > 1/2 Window

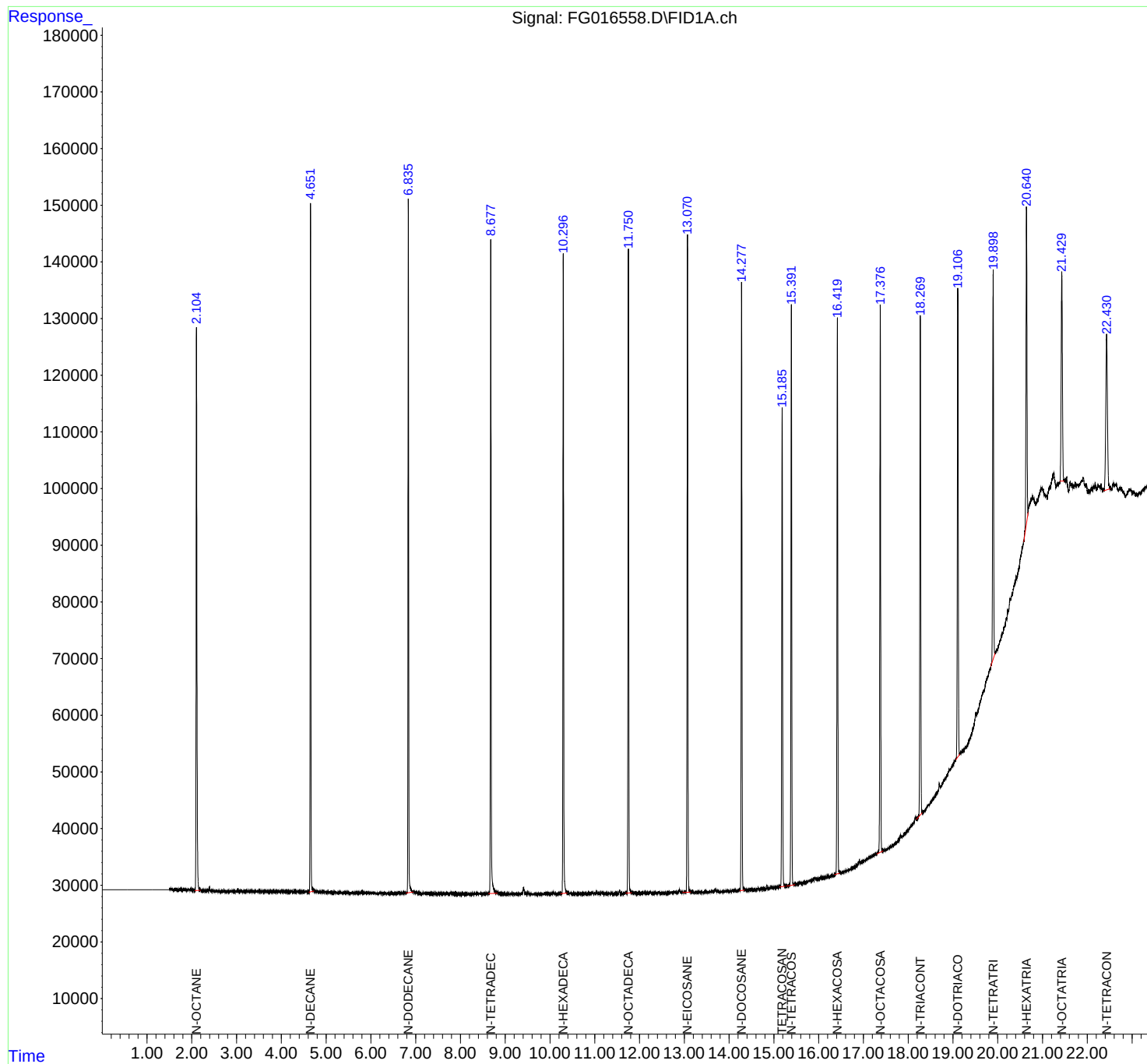
(m)=manual int.

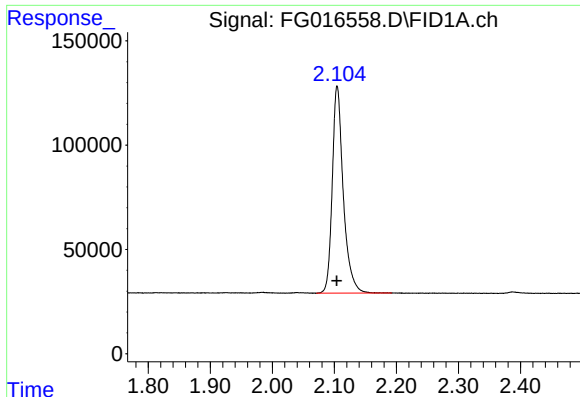
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016558.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 11:24
Operator : YP\AJ
Sample : 10 TRPH STD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 TRPH STD

Integration File: autoint1.e
Quant Time: Sep 06 04:03:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Quant Title :
QLast Update : Sat Sep 06 04:01:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

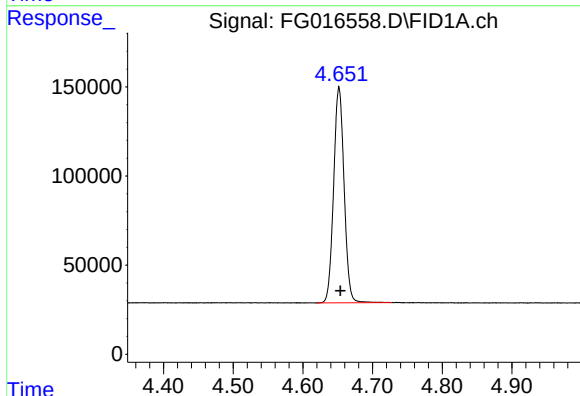




#1 N-OCTANE

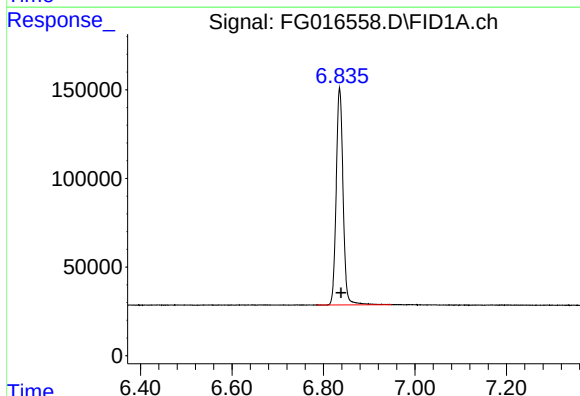
R.T.: 2.105 min
Delta R.T.: 0.000 min
Response: 1227497
Conc: 10.86 ug/ml

Instrument :
FID_G
ClientSampleId :
10 TRPH STD



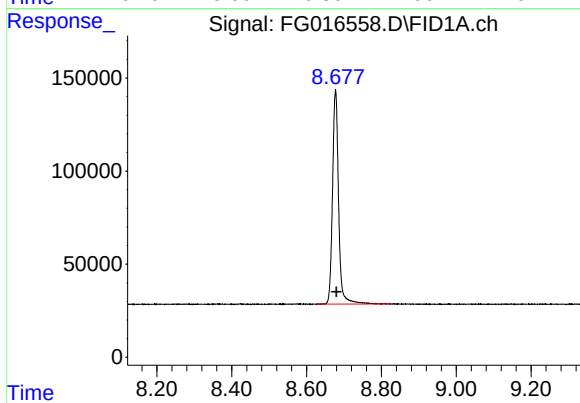
#2 N-DECANE

R.T.: 4.652 min
Delta R.T.: -0.002 min
Response: 1265194
Conc: 10.77 ug/ml



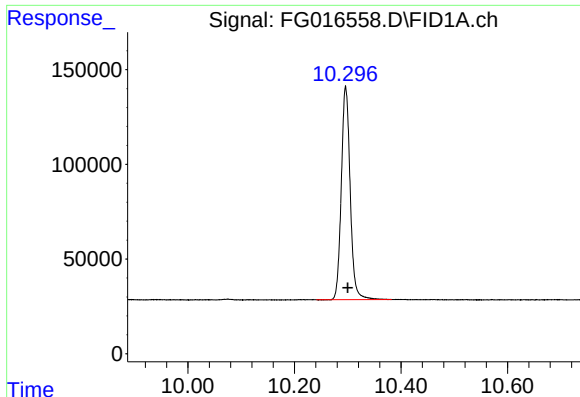
#3 N-DODECANE

R.T.: 6.835 min
Delta R.T.: -0.003 min
Response: 1278776
Conc: 10.66 ug/ml



#4 N-TETRADECANE

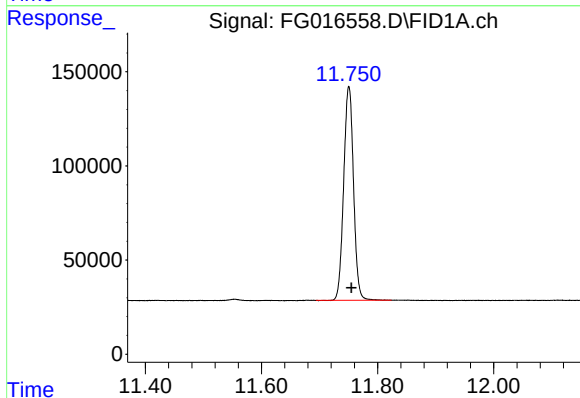
R.T.: 8.678 min
Delta R.T.: -0.002 min
Response: 1294626
Conc: 10.74 ug/ml



#5 N-HEXADECANE

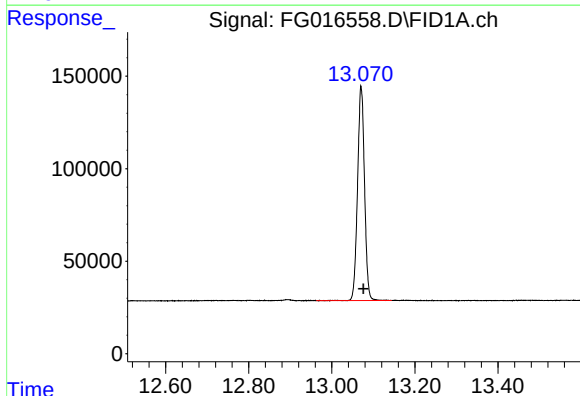
R.T.: 10.296 min
Delta R.T.: -0.004 min
Response: 1301872
Conc: 10.75 ug/ml

Instrument :
FID_G
ClientSampleId :
10 TRPH STD



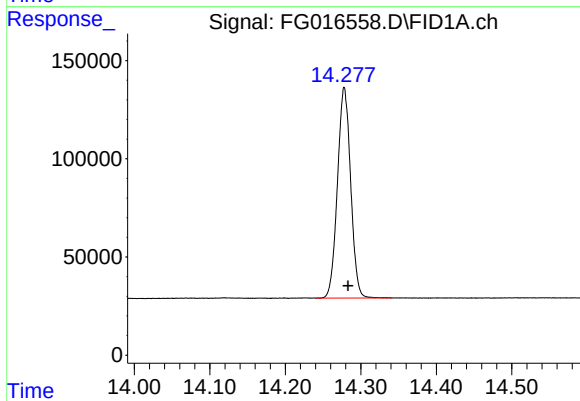
#6 N-OCTADECANE

R.T.: 11.751 min
Delta R.T.: -0.004 min
Response: 1337625
Conc: 10.83 ug/ml



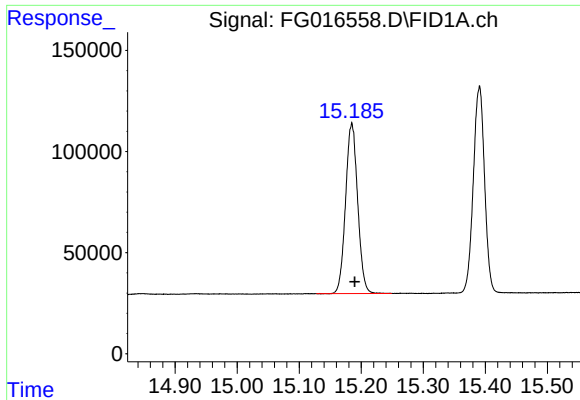
#7 N-EICOSANE

R.T.: 13.071 min
Delta R.T.: -0.005 min
Response: 1348967
Conc: 10.92 ug/ml



#8 N-DOCOSANE

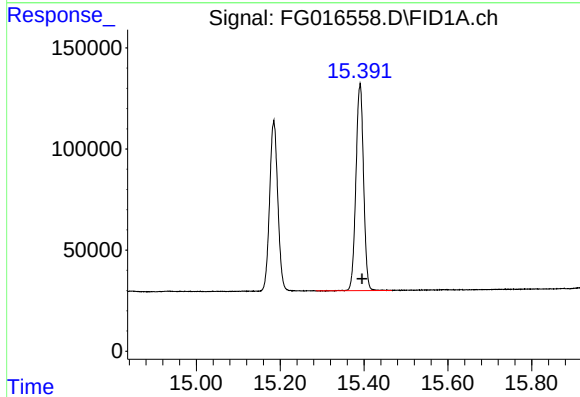
R.T.: 14.278 min
Delta R.T.: -0.005 min
Response: 1305358
Conc: 10.95 ug/ml



#9 TETRACOSANE-d50 (SURROGATE)

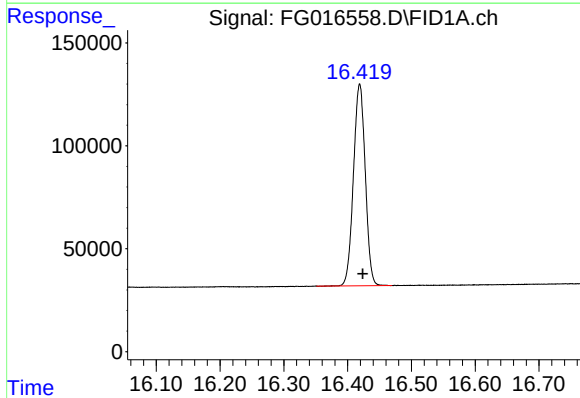
R.T.: 15.185 min
Delta R.T.: -0.005 min
Response: 1138925
Conc: 10.92 ug/ml

Instrument :
FID_G
ClientSampleId :
10 TRPH STD



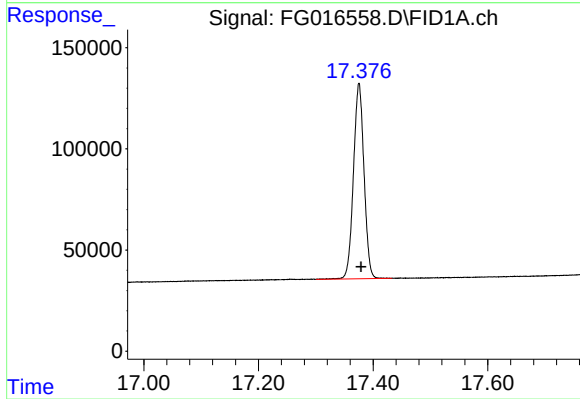
#10 N-TETRACOSANE

R.T.: 15.391 min
Delta R.T.: -0.005 min
Response: 1292479
Conc: 11.00 ug/ml



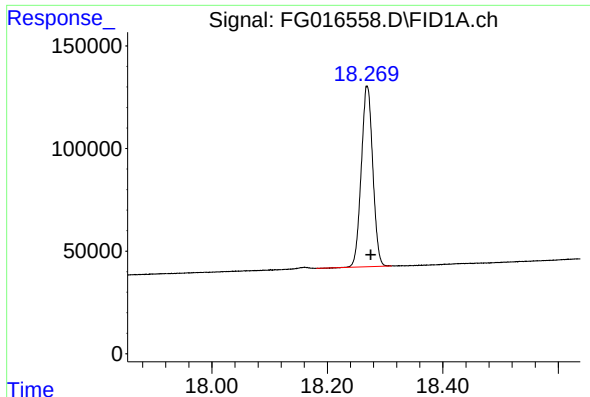
#11 N-HEXACOSANE

R.T.: 16.419 min
Delta R.T.: -0.005 min
Response: 1260557
Conc: 10.98 ug/ml



#12 N-OCTACOSANE

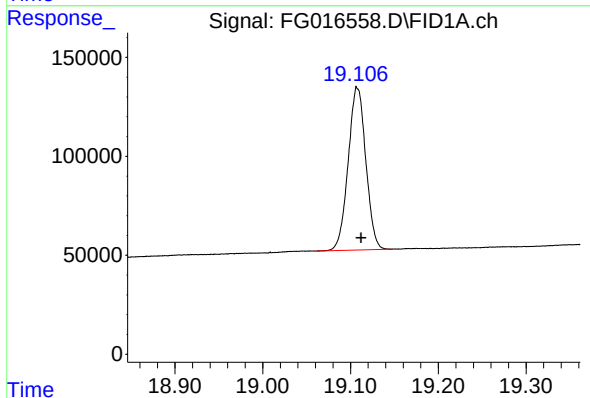
R.T.: 17.375 min
Delta R.T.: -0.004 min
Response: 1234607
Conc: 11.08 ug/ml



#13 N-TRIACONTANE

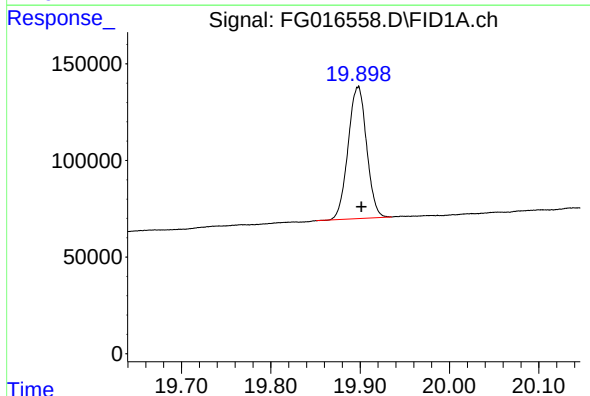
R.T.: 18.269 min
Delta R.T.: -0.006 min
Response: 1215766
Conc: 11.10 ug/ml

Instrument :
FID_G
ClientSampleId :
10 TRPH STD



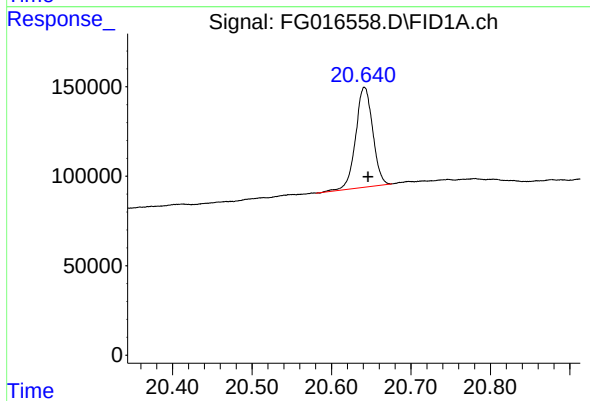
#14 N-DOTRIACONTANE

R.T.: 19.108 min
Delta R.T.: -0.004 min
Response: 1148787
Conc: 11.28 ug/ml



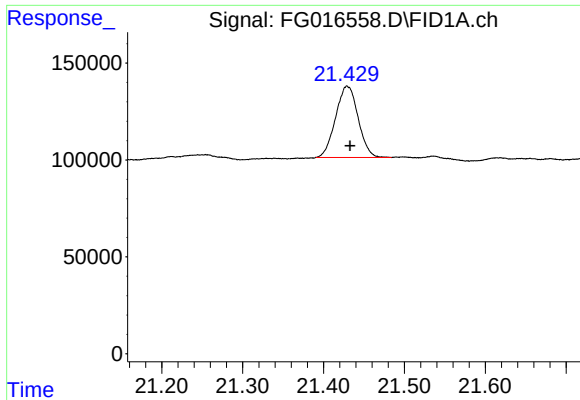
#15 N-TETRATRIACONTANE

R.T.: 19.898 min
Delta R.T.: -0.004 min
Response: 982687
Conc: 11.47 ug/ml



#16 N-HEXATRIACONTANE

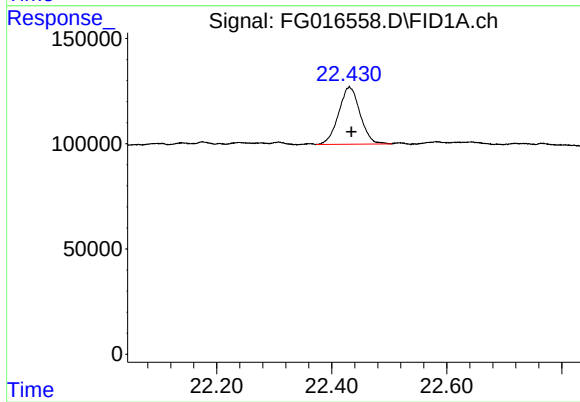
R.T.: 20.642 min
Delta R.T.: -0.005 min
Response: 829540
Conc: 11.89 ug/ml



#17 N-OCTATRIACONTANE

R.T.: 21.429 min
Delta R.T.: -0.004 min
Response: 711251
Conc: 11.66 ug/ml

Instrument :
FID_G
ClientSampleId :
10 TRPH STD



#18 N-TETRACONTANE

R.T.: 22.431 min
Delta R.T.: -0.003 min
Response: 699748
Conc: 11.89 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016558.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 11:24
Sample : 10 TRPH STD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.105	2.071	2.192	BB	99443	1227497	91.00%	5.880%
2	4.652	4.619	4.727	BB	121052	1265194	93.79%	6.061%
3	6.835	6.784	6.949	BB	122095	1278776	94.80%	6.126%
4	8.678	8.626	8.827	BB	114691	1294626	95.97%	6.202%
5	10.296	10.241	10.382	BB	112466	1301872	96.51%	6.237%
6	11.751	11.694	11.824	BB	113683	1337625	99.16%	6.408%
7	13.071	12.962	13.144	BB	115299	1348967	100.00%	6.462%
8	14.278	14.241	14.341	BB	107545	1305358	96.77%	6.253%
9	15.185	15.127	15.249	BB	83588	1138925	84.43%	5.456%
10	15.391	15.286	15.466	BB	102288	1292479	95.81%	6.192%
11	16.419	16.351	16.469	BB	98151	1260557	93.45%	6.039%
12	17.375	17.301	17.432	BB	96811	1234607	91.52%	5.914%
13	18.269	18.181	18.311	BV	87918	1215766	90.13%	5.824%
14	19.108	19.061	19.147	BV	82036	1148787	85.16%	5.503%
15	19.898	19.851	19.935	BV	68065	982687	72.85%	4.708%
16	20.642	20.581	20.676	BV	55949	829540	61.49%	3.974%
17	21.429	21.391	21.484	BV	36928	711251	52.73%	3.407%
18	22.431	22.373	22.504	PV	27400	699748	51.87%	3.352%
Sum of corrected areas:							20874261	

FG090525.M Sat Sep 06 04:16:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016559.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 11:54
 Operator : YP\AJ
 Sample : 5 TRPH STD
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 TRPH STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/08/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File: autoint1.e
 Quant Time: Sep 06 04:03:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Quant Title :
 QLast Update : Sat Sep 06 04:01:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.184	582176	5.580 ug/ml
Target Compounds			
1) N-OCTANE	2.105	631312	5.584 ug/ml
2) N-DECANE	4.652	636369	5.416 ug/ml
3) N-DODECANE	6.835	625889	5.215 ug/ml
4) N-TETRADECANE	8.676	639998	5.309 ug/ml
5) N-HEXADECANE	10.296	656383	5.421 ug/ml
6) N-OCTADECANE	11.750	678720	5.496 ug/ml
7) N-EICOSANE	13.070	683652	5.536 ug/ml
8) N-DOCOSANE	14.278	665765	5.584 ug/ml
10) N-TETRACOSANE	15.389	666938	5.675 ug/ml
11) N-HEXACOSANE	16.418	657520	5.727 ug/ml
12) N-OCTACOSANE	17.375	672338	6.033 ug/ml
13) N-TRIACONTANE	18.270	755290	6.894 ug/ml
14) N-DOTRIACONTANE	19.108	804635	7.899 ug/ml
15) N-TETRATRIACONTANE	19.896	688859	8.042 ug/ml
16) N-HEXATRIACONTANE	20.641	528880	7.578 ug/mlm
17) N-OCTATRIACONTANE	21.428	426351	6.992 ug/ml
18) N-TETRACONTANE	22.430	378311	6.430 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016559.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 11:54
Operator : YP\AJ
Sample : 5 TRPH STD
Misc :
ALS Vial : 65 Sample Multiplier: 1

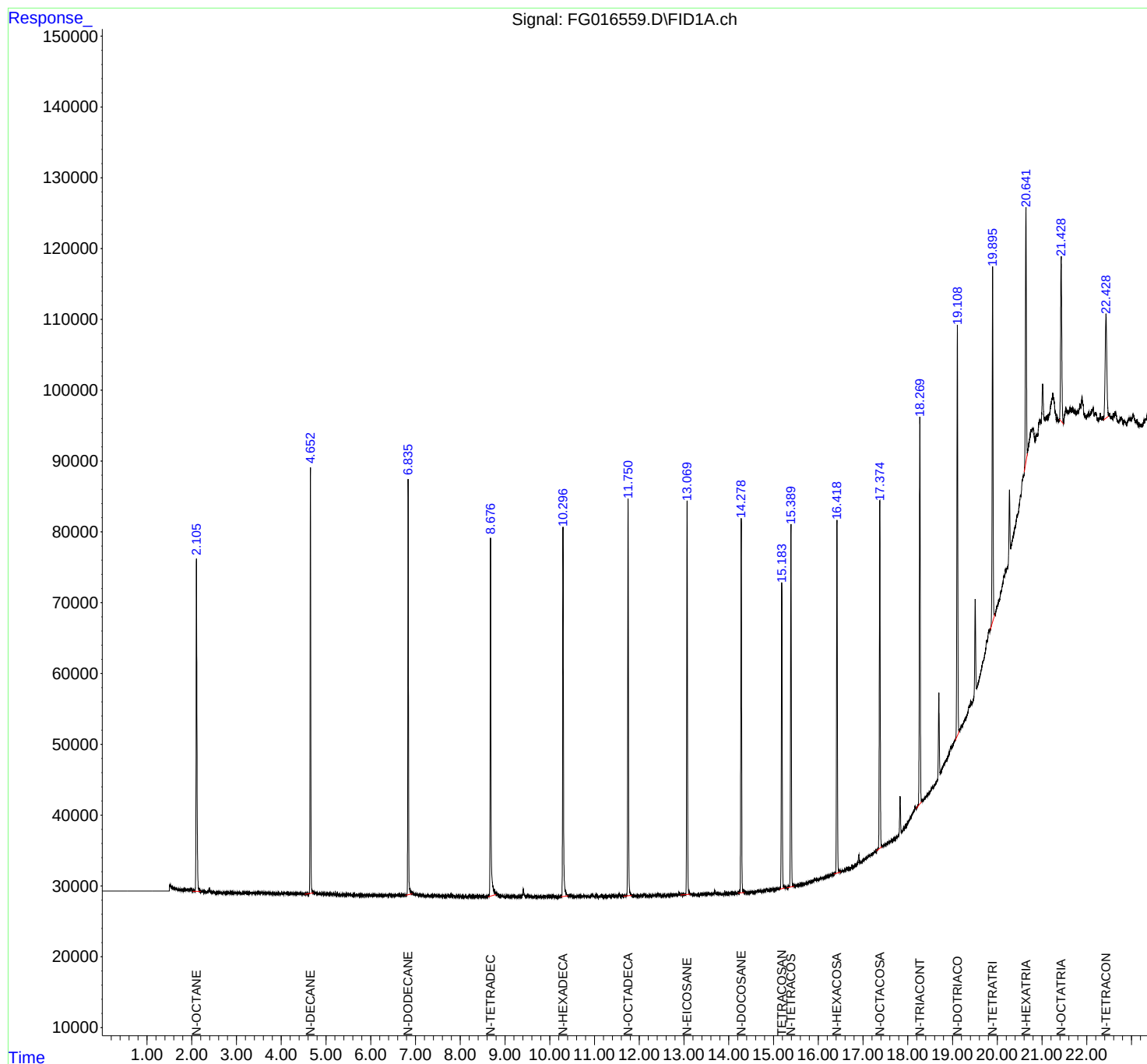
Instrument :
FID_G
ClientSampleId :
5 TRPH STD

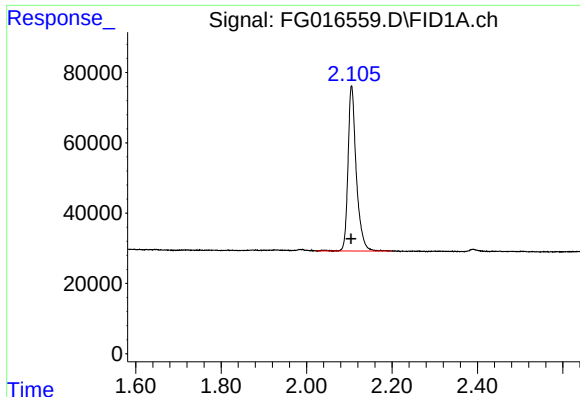
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025

Integration File: autoint1.e
Quant Time: Sep 06 04:03:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Quant Title :
QLast Update : Sat Sep 06 04:01:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





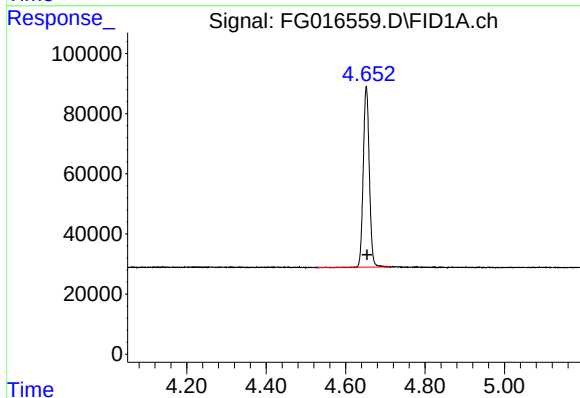
#1 N-OCTANE

R.T.: 2.105 min
Delta R.T.: 0.001 min
Response: 631312
Conc: 5.58 ug/ml

Instrument :
FID_G
ClientSampleId :
5 TRPH STD

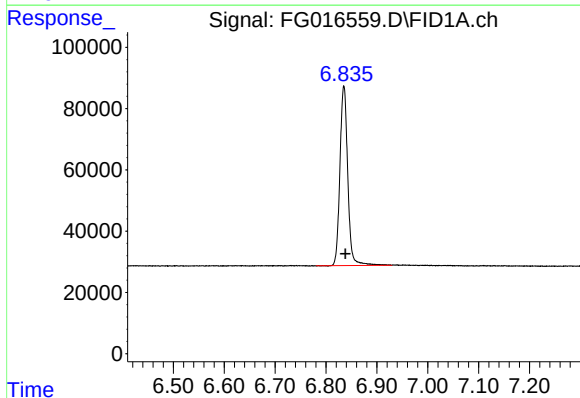
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



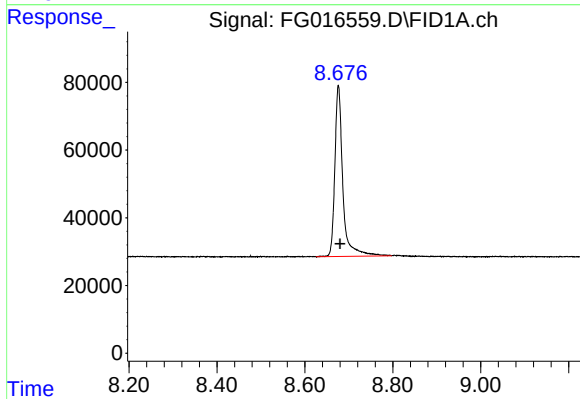
#2 N-DECANE

R.T.: 4.652 min
Delta R.T.: -0.002 min
Response: 636369
Conc: 5.42 ug/ml



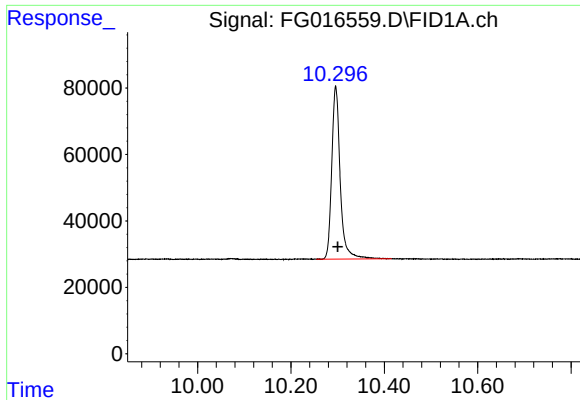
#3 N-DODECANE

R.T.: 6.835 min
Delta R.T.: -0.003 min
Response: 625889
Conc: 5.22 ug/ml



#4 N-TETRADECANE

R.T.: 8.676 min
Delta R.T.: -0.004 min
Response: 639998
Conc: 5.31 ug/ml



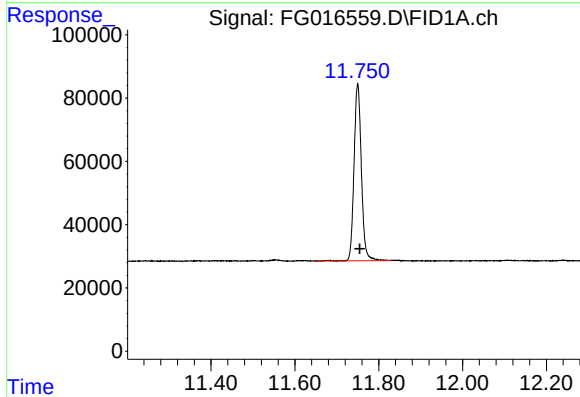
#5 N-HEXADECANE

R.T.: 10.296 min
Delta R.T.: -0.004 min
Response: 656383
Conc: 5.42 ug/ml

Instrument :
FID_G
ClientSampleId :
5 TRPH STD

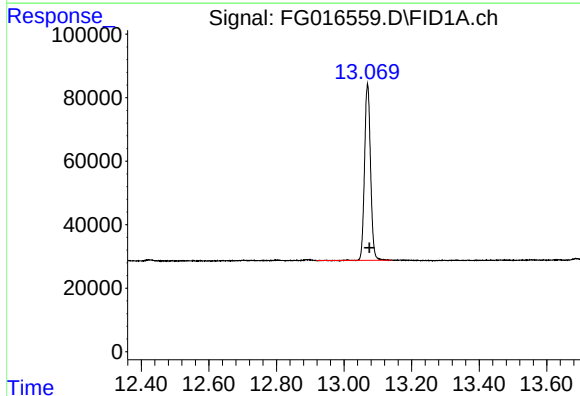
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



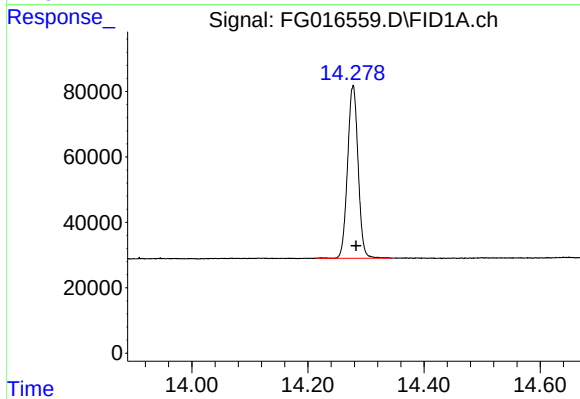
#6 N-OCTADECANE

R.T.: 11.750 min
Delta R.T.: -0.005 min
Response: 678720
Conc: 5.50 ug/ml



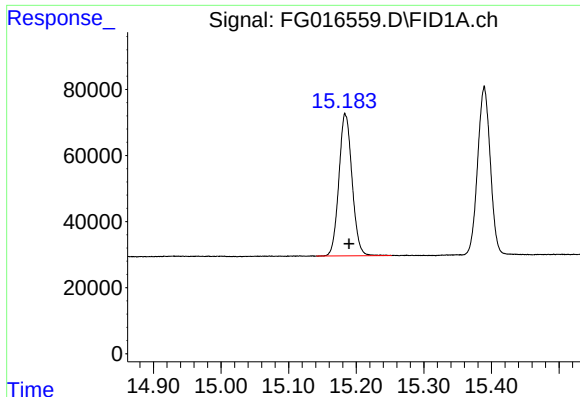
#7 N-EICOSANE

R.T.: 13.070 min
Delta R.T.: -0.006 min
Response: 683652
Conc: 5.54 ug/ml



#8 N-DOCOSANE

R.T.: 14.278 min
Delta R.T.: -0.005 min
Response: 665765
Conc: 5.58 ug/ml



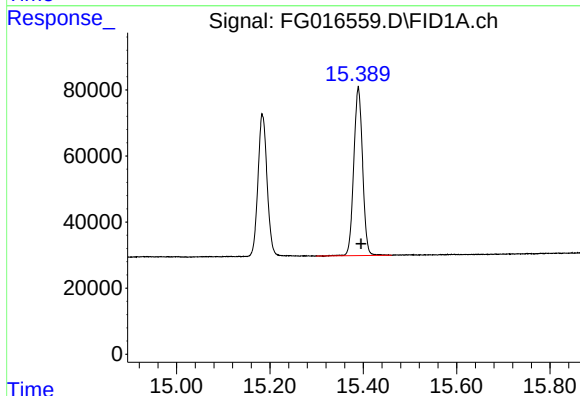
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.184 min
Delta R.T.: -0.006 min
Response: 582176
Conc: 5.58 ug/ml

Instrument :
FID_G
ClientSampleId :
5 TRPH STD

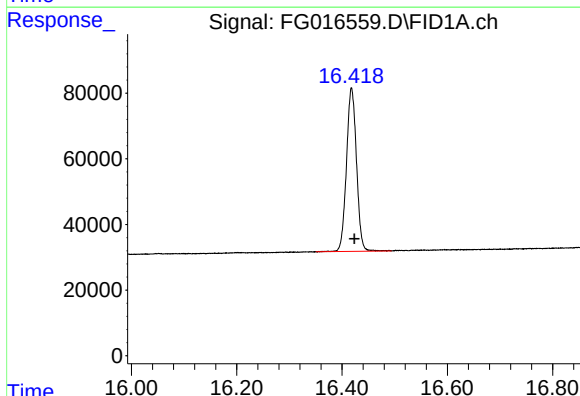
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



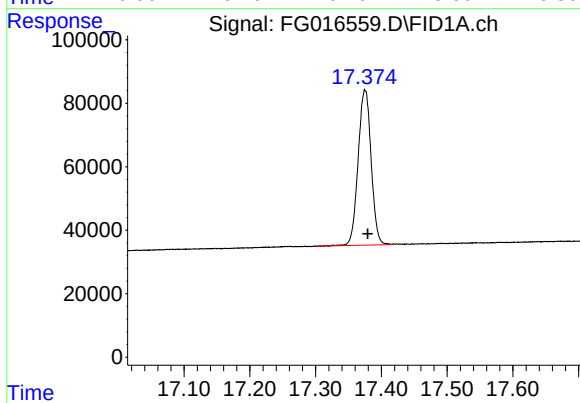
#10 N-TETRACOSANE

R.T.: 15.389 min
Delta R.T.: -0.006 min
Response: 666938
Conc: 5.67 ug/ml



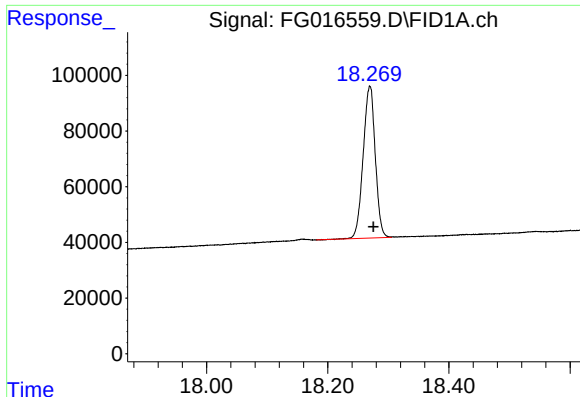
#11 N-HEXACOSANE

R.T.: 16.418 min
Delta R.T.: -0.006 min
Response: 657520
Conc: 5.73 ug/ml



#12 N-OCTACOSANE

R.T.: 17.375 min
Delta R.T.: -0.004 min
Response: 672338
Conc: 6.03 ug/ml



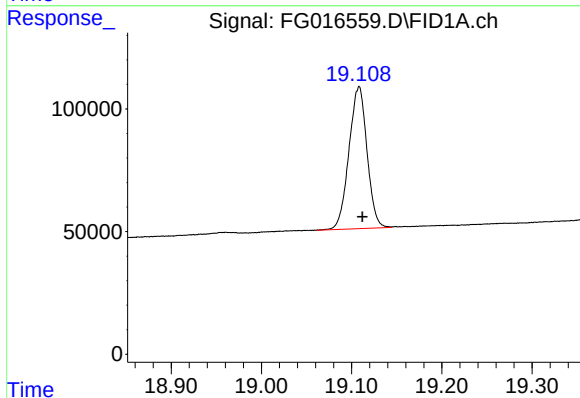
#13 N-TRIACONTANE

R.T.: 18.270 min
Delta R.T.: -0.005 min
Response: 755290
Conc: 6.89 ug/ml

Instrument :
FID_G
ClientSampleId :
5 TRPH STD

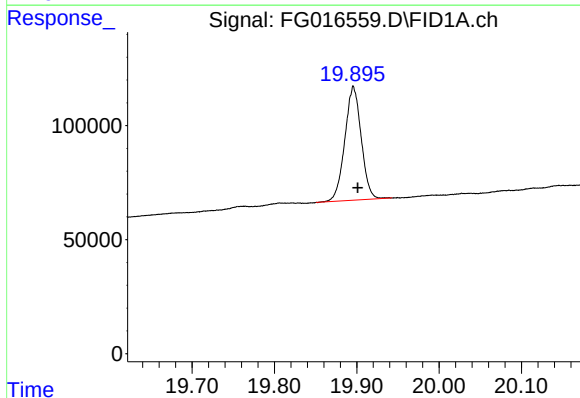
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



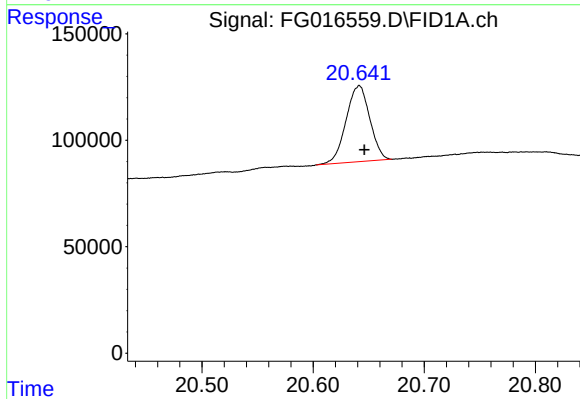
#14 N-DOTRIACONTANE

R.T.: 19.108 min
Delta R.T.: -0.004 min
Response: 804635
Conc: 7.90 ug/ml



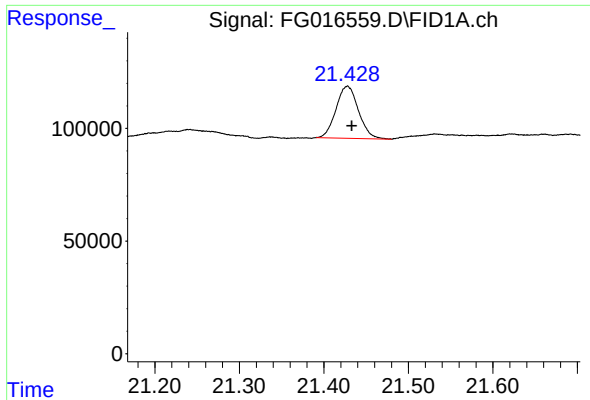
#15 N-TETRATRIACONTANE

R.T.: 19.896 min
Delta R.T.: -0.005 min
Response: 688859
Conc: 8.04 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.641 min
Delta R.T.: -0.005 min
Response: 528880
Conc: 7.58 ug/ml m



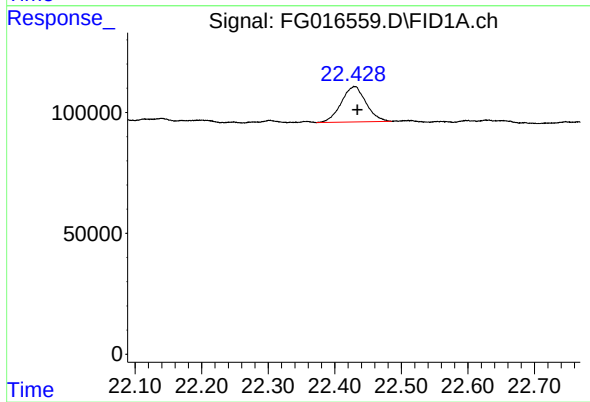
#17 N-OCTATRIACONTANE

R.T.: 21.428 min
Delta R.T.: -0.005 min
Response: 426351
Conc: 6.99 ug/ml

Instrument :
FID_G
ClientSampleId :
5 TRPH STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



#18 N-TETRACONTANE

R.T.: 22.430 min
Delta R.T.: -0.004 min
Response: 378311
Conc: 6.43 ug/ml

Instrument :

FID_G

LabSampleId :

5 TRPH STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG0

Data File : FG016559.D

Signal(s) : FID1A.ch

Acq On : 05 Sep 2025 11:54

Sample : 5 TRPH STD

Misc :

ALS Vial : 65 Sample Multiplier: 1

Reviewed By :Yogesh Patel 09/08/2025

Supervised By :mohammad ahmed 09/09/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M

Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.105	2.022	2.199	BB	46975	631312	78.46%	5.552%
2	4.652	4.526	4.716	BB	60133	636369	79.09%	5.596%
3	6.835	6.781	6.929	BB	58641	625889	77.79%	5.504%
4	8.676	8.626	8.797	BV	50593	639998	79.54%	5.628%
5	10.296	10.254	10.416	BB	52062	656383	81.58%	5.772%
6	11.750	11.651	11.831	BB	56141	678720	84.35%	5.968%
7	13.070	12.917	13.141	BB	55418	683652	84.96%	6.012%
8	14.278	14.214	14.344	BB	52602	665765	82.74%	5.855%
9	15.184	15.141	15.252	BB	42793	582176	72.35%	5.120%
10	15.389	15.299	15.461	BB	50887	666938	82.89%	5.865%
11	16.418	16.351	16.494	BB	49925	657520	81.72%	5.782%
12	17.375	17.301	17.416	BV	48720	672338	83.56%	5.912%
13	18.270	18.181	18.305	BV	54676	755290	93.87%	6.642%
14	19.108	19.061	19.144	BV	57586	804635	100.00%	7.076%
15	19.896	19.851	19.942	BV	50090	688859	85.61%	6.058%
16	20.642	20.581	20.672	BV	35580	521204	64.78%	4.583%
17	21.428	21.391	21.480	BV	23099	426351	52.99%	3.749%
18	22.430	22.372	22.486	PV	14553	378311	47.02%	3.327%

Sum of corrected areas: 11371710

FG090525.M Sat Sep 06 04:17:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
 Data File : FG016560.D
 Signal(s) : FID1A.ch
 Acq On : 05 Sep 2025 12:24
 Operator : YP\AJ
 Sample : FG090525ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 FG090525ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/08/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File: autoint1.e
 Quant Time: Sep 05 13:32:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
 Quant Title :
 QLast Update : Fri Sep 05 13:31:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.187	5022519	45.964 ug/ml
Target Compounds			
1) N-OCTANE	2.105	5612287	47.364 ug/ml
2) N-DECANE	4.654	5805616	47.635 ug/ml
3) N-DODECANE	6.838	5904735	47.959 ug/ml
4) N-TETRADECANE	8.679	5896765	47.459 ug/ml
5) N-HEXADECANE	10.298	5895438	47.005 ug/ml
6) N-OCTADECANE	11.753	5973228	46.475 ug/ml
7) N-EICOSANE	13.072	5959479	46.189 ug/ml
8) N-DOCOSANE	14.281	5746375	46.009 ug/ml
10) N-TETRACOSANE	15.394	5659504	45.729 ug/ml
11) N-HEXACOSANE	16.422	5543636	45.685 ug/ml
12) N-OCTACOSANE	17.378	5410476	44.877 ug/ml
13) N-TRIACONTANE	18.272	5368662	44.219 ug/ml
14) N-DOTRIACONTANE	19.110	5031698	42.867 ug/ml
15) N-TETRATRIACONTANE	19.897	4386440	42.732 ug/ml
16) N-HEXATRIACONTANE	20.642	3663386	42.965 ug/ml
17) N-OCTATRIACONTANE	21.431	3196434	42.710 ug/mlm
18) N-TETRACONTANE	22.432	2956893	42.212 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525\
Data File : FG016560.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 12:24
Operator : YP\AJ
Sample : FG090525ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

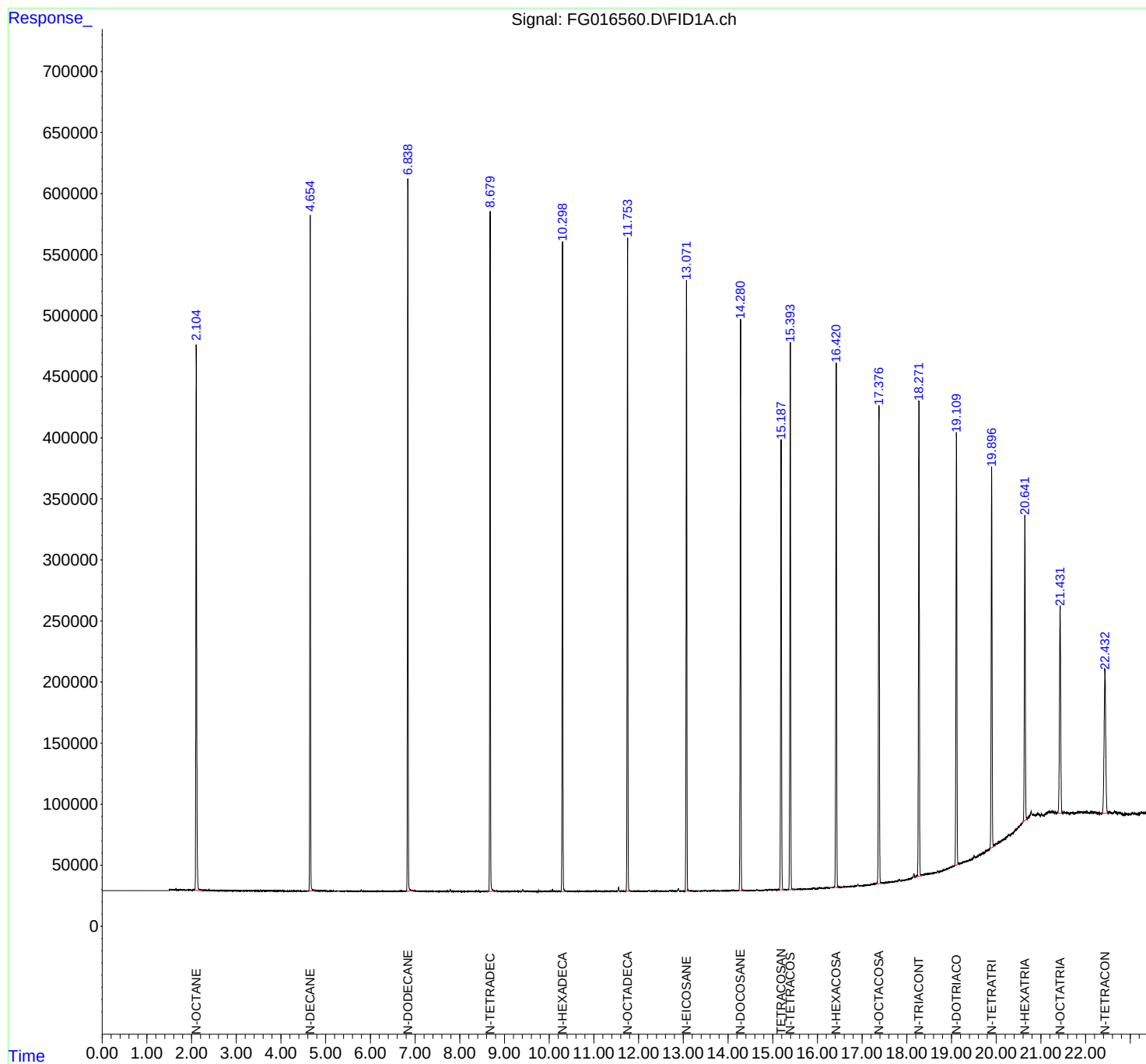
Instrument :
FID_G
ClientSampleId :
FG090525ICV

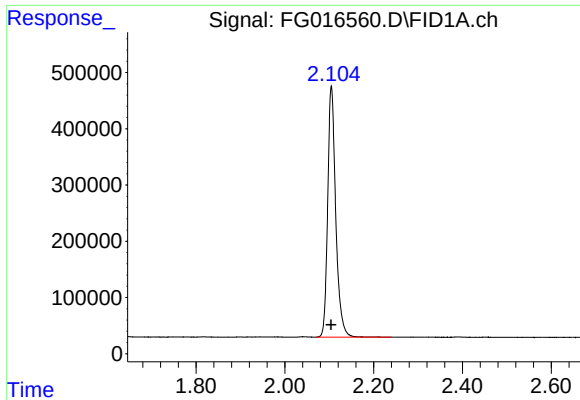
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025

Integration File: autoint1.e
Quant Time: Sep 05 13:32:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Quant Title :
QLast Update : Fri Sep 05 13:31:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#1 N-OCTANE

R.T.: 2.105 min
Delta R.T.: 0.000 min
Response: 5612287
Conc: 47.36 ug/ml

Instrument :

FID_G

ClientSampleId :

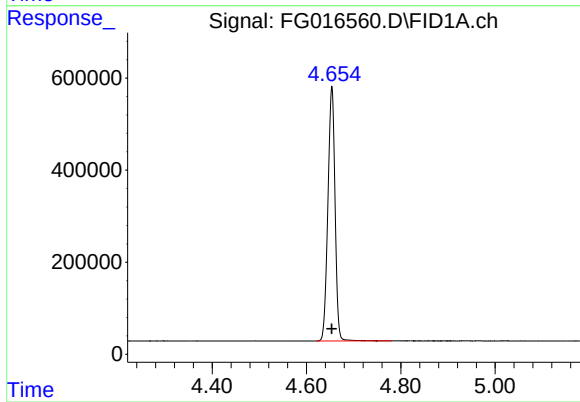
FG090525ICV

Manual Integrations

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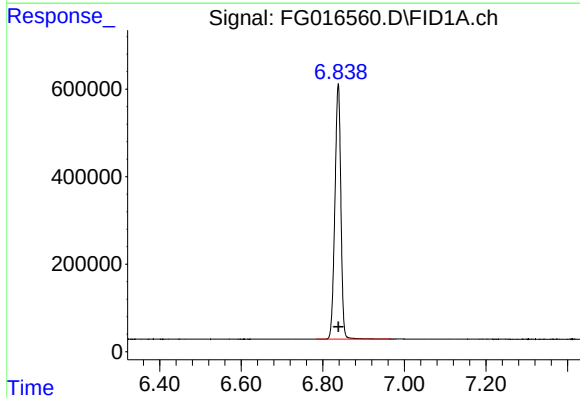
Reviewed By :Yogesh Patel 09/08/2025

Supervised By :mohammad ahmed 09/09/2025



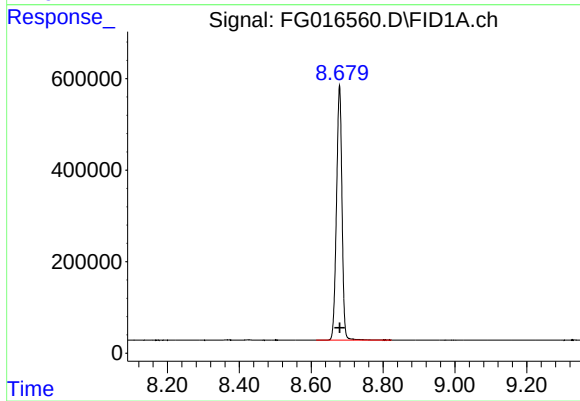
#2 N-DECANE

R.T.: 4.654 min
Delta R.T.: 0.000 min
Response: 5805616
Conc: 47.63 ug/ml



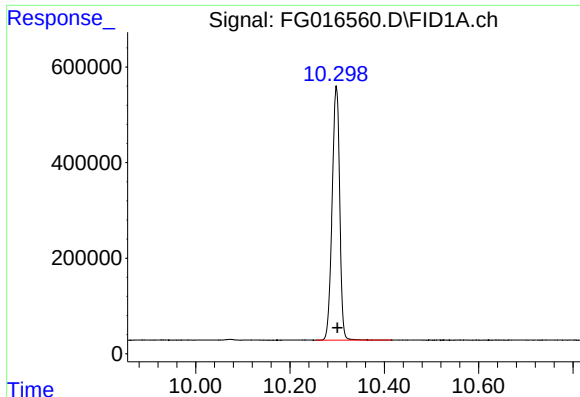
#3 N-DODECANE

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 5904735
Conc: 47.96 ug/ml



#4 N-TETRADECANE

R.T.: 8.679 min
Delta R.T.: -0.001 min
Response: 5896765
Conc: 47.46 ug/ml



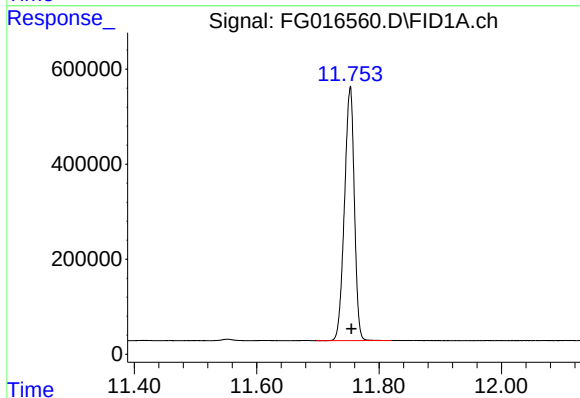
#5 N-HEXADECANE

R.T.: 10.298 min
Delta R.T.: -0.002 min
Response: 5895438
Conc: 47.01 ug/ml

Instrument :
FID_G
ClientSampleId :
FG090525ICV

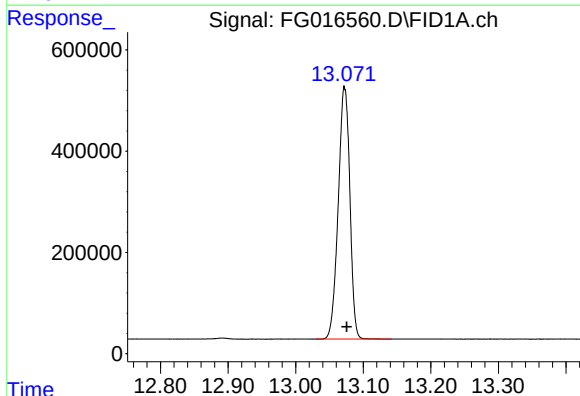
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



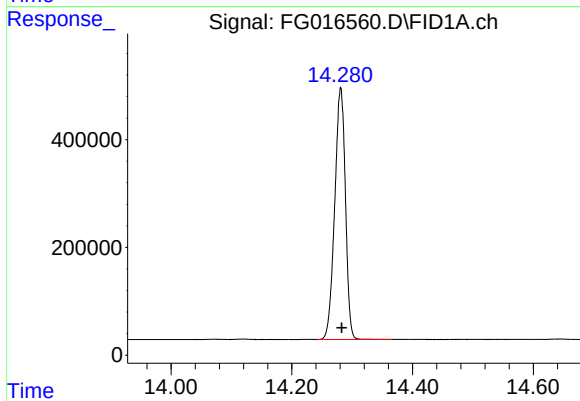
#6 N-OCTADECANE

R.T.: 11.753 min
Delta R.T.: -0.002 min
Response: 5973228
Conc: 46.48 ug/ml



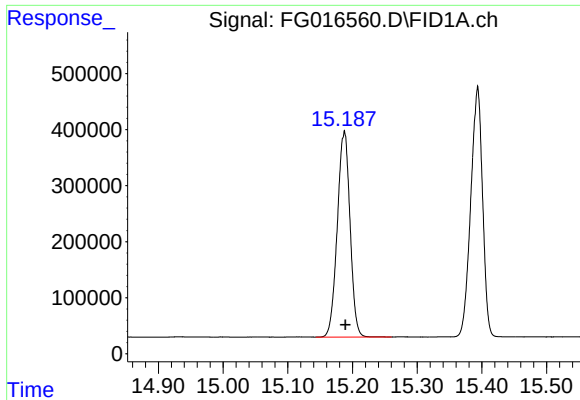
#7 N-EICOSANE

R.T.: 13.072 min
Delta R.T.: -0.003 min
Response: 5959479
Conc: 46.19 ug/ml



#8 N-DOCOSANE

R.T.: 14.281 min
Delta R.T.: -0.002 min
Response: 5746375
Conc: 46.01 ug/ml



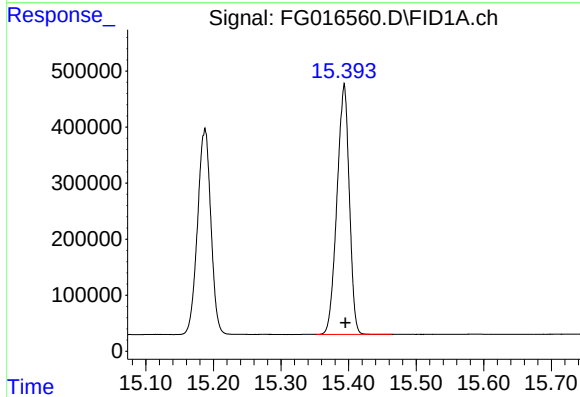
#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.187 min
Delta R.T.: -0.002 min
Response: 5022519
Conc: 45.96 ug/ml

Instrument :
FID_G
ClientSampleId :
FG090525ICV

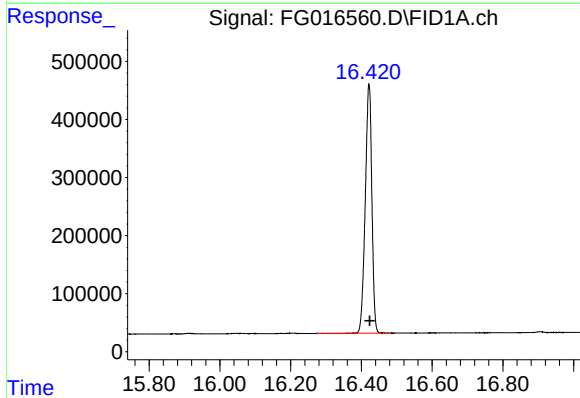
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



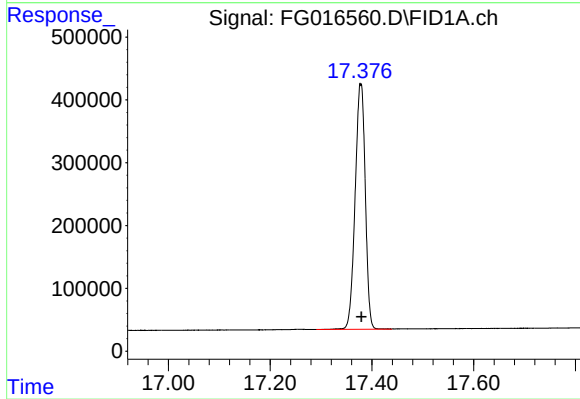
#10 N-TETRACOSANE

R.T.: 15.394 min
Delta R.T.: -0.002 min
Response: 5659504
Conc: 45.73 ug/ml



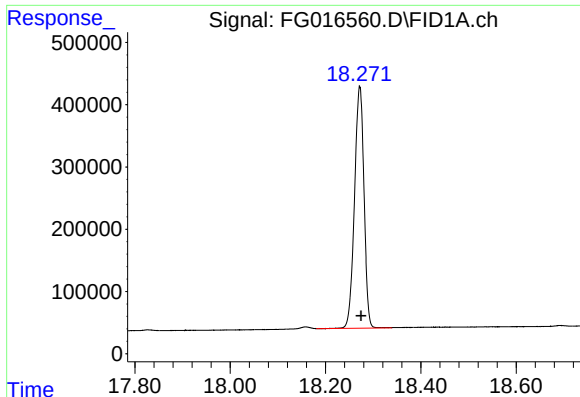
#11 N-HEXACOSANE

R.T.: 16.422 min
Delta R.T.: -0.002 min
Response: 5543636
Conc: 45.68 ug/ml



#12 N-OCTACOSANE

R.T.: 17.378 min
Delta R.T.: -0.002 min
Response: 5410476
Conc: 44.88 ug/ml



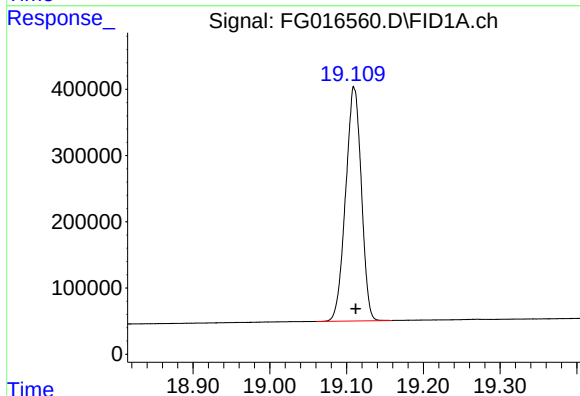
#13 N-TRIACONTANE

R.T.: 18.272 min
Delta R.T.: -0.003 min
Response: 5368662
Conc: 44.22 ug/ml

Instrument :
FID_G
ClientSampleId :
FG090525ICV

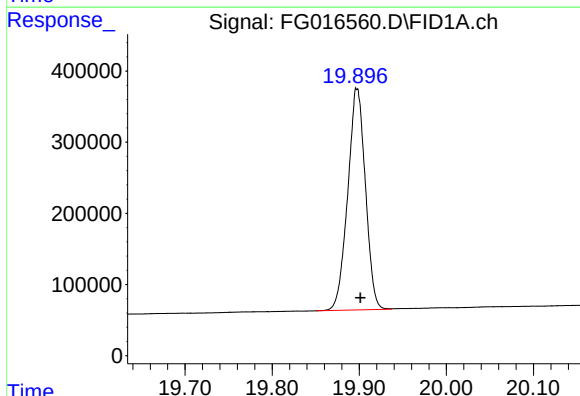
Manual Integrations
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Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025



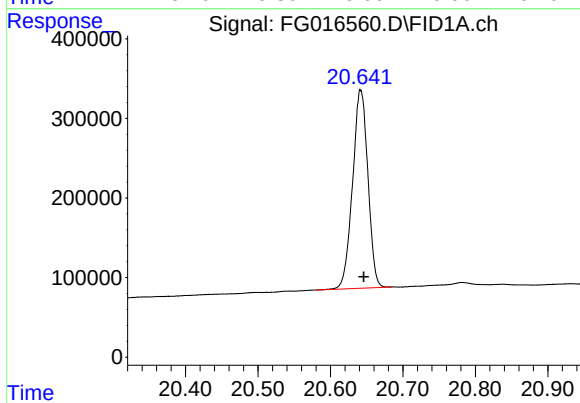
#14 N-DOTRIACONTANE

R.T.: 19.110 min
Delta R.T.: -0.002 min
Response: 5031698
Conc: 42.87 ug/ml



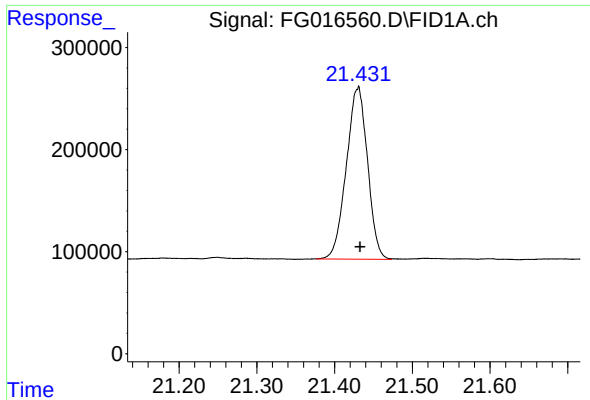
#15 N-TETRATRIACONTANE

R.T.: 19.897 min
Delta R.T.: -0.004 min
Response: 4386440
Conc: 42.73 ug/ml



#16 N-HEXATRIACONTANE

R.T.: 20.642 min
Delta R.T.: -0.004 min
Response: 3663386
Conc: 42.97 ug/ml



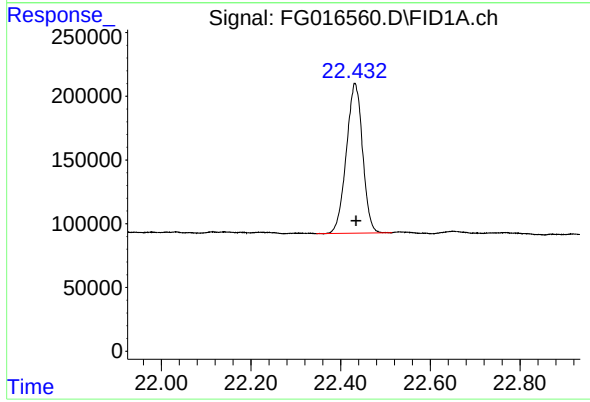
#17 N-OCTATRIACONTANE

R.T.: 21.431 min
Delta R.T.: -0.002 min
Response: 3196434
Conc: 42.71 ug/ml

Instrument :
FID_G
ClientSampleId :
FG090525ICV

Manual Integrations
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Supervised By :mohammad ahmed 09/09/2025



#18 N-TETRACONTANE

R.T.: 22.432 min
Delta R.T.: -0.002 min
Response: 2956893
Conc: 42.21 ug/ml

Instrument :

FID_G

ClientSampleId :

FG090525ICV

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090525
Data File : FG016560.D
Signal(s) : FID1A.ch
Acq On : 05 Sep 2025 12:24
Sample : FG090525ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Reviewed By :Yogesh Patel 09/08/2025
Supervised By :mohammad ahmed 09/09/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG090525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.105	2.070	2.240	PB	447029	5612287	93.96%	6.039%
2	4.654	4.620	4.780	BB	553451	5805616	97.19%	6.247%
3	6.838	6.784	6.969	BB	581809	5904735	98.85%	6.353%
4	8.679	8.614	8.824	BB	557080	5896765	98.72%	6.345%
5	10.298	10.255	10.415	BB	529094	5895438	98.70%	6.343%
6	11.753	11.697	11.820	BB	537721	5973228	100.00%	6.427%
7	13.072	13.030	13.142	BB	498561	5959479	99.77%	6.412%
8	14.281	14.240	14.365	VB	467024	5746375	96.20%	6.183%
9	15.187	15.144	15.260	BV	365938	5022519	84.08%	5.404%
10	15.394	15.352	15.464	VB	446649	5659504	94.75%	6.089%
11	16.422	16.350	16.485	BB	427641	5543112	92.80%	5.964%
12	17.378	17.300	17.439	BV	389519	5405367	90.49%	5.816%
13	18.272	18.180	18.339	BV	387799	5368662	89.88%	5.776%
14	19.110	19.060	19.159	BV	350987	5031698	84.24%	5.414%
15	19.897	19.850	19.937	BV	310553	4386440	73.44%	4.720%
16	20.642	20.580	20.685	BBA	248485	3663386	61.33%	3.942%
17	21.430	21.390	21.489	BV	166411	3108821	52.05%	3.345%
18	22.432	22.345	22.514	PV	117488	2956893	49.50%	3.181%

Sum of corrected areas: 92940324

FG090525.M Sat Sep 06 04:18:08 2025