

Initial Calibration Report for SequenceID : FC091024AL

AreaCount

Parameter Range	FC067073.D	FC067074.D	FC067075.D	FC067076.D	FC067077.D	
Aliphatic C9-C12	37966476.000	19170711.000	7623269.000	4208619.000	2194727.000	
Aliphatic C12-C16	24507944.000	12354744.000	4913377.000	2717745.000	1396955.000	
Aliphatic C16-C21	34761657.000	17414370.000	6941014.000	3886556.000	1963181.000	
Aliphatic C21-C28	42848455.000	21438046.000	8576280.000	4728535.000	2402175.000	
Aliphatic C28-C40	50004422.000	25281319.000	10317122.000	5541460.000	2860803.000	
Aliphatic EPH	190088954.000	95659190.000	38371062.000	21082915.000	10817841.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	133603.3153332	6.824				
Aliphatic C12-C16	128900.867	6.389				
Aliphatic C16-C21	121616.431333	6.467				
Aliphatic C21-C28	111967.3985	5.896				
Aliphatic C28-C40	88261.1099996	6.009				
Aliphatic EPH	111160.9571106	6.246				

Concentration

Parameter Range	FC067073.D	FC067074.D	FC067075.D	FC067076.D	FC067077.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	FC067073.D	FC067074.D	FC067075.D	FC067076.D	FC067077.D	
Aliphatic C9-C12	126554.920000	127804.740000	127054.483333	140287.300000	146315.133333	
Aliphatic C12-C16	122539.720000	123547.440000	122834.425000	135887.250000	139695.500000	
Aliphatic C16-C21	115872.190000	116095.800000	115683.566666	129551.866666	130878.733333	

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Aliphatic C21-C28	107121.137500	107190.230000	107203.500000	118213.375000	120108.750000	
Aliphatic C28-C40	83340.703333	84271.063333	85976.016666	92357.666666	95360.100000	
Aliphatic EPH	105604.974444	106287.988888	106586.283333	117127.305555	120198.233333	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067073.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 11:08
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: sample.E
 Quant Time: Sep 11 02:51:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:43:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.516	13180678	99.841 ug/ml
Spiked Amount 50.000		Recovery =	199.68%
12) S 1-chlorooctadecane (S...	12.952	9590092	101.883 ug/ml
Spiked Amount 50.000		Recovery =	203.77%
Target Compounds			
1) T n-Nonane (C9)	3.280	12551821	99.840 ug/ml
2) T n-Decane (C10)	4.347	12737455	99.761 ug/ml
3) T A~Naphthalene (C11.7)	5.927	13632460	100.264 ug/ml
4) T n-Dodecane (C12)	6.366	12677200	99.809 ug/ml
5) T A~2-methylnaphthalene...	6.985	12925758	100.605 ug/ml
6) T n-Tetradecane (C14)	8.160	12219543	99.717 ug/ml
7) T n-Hexadecane (C16)	9.760	12288401	100.042 ug/ml
8) T n-Octadecane (C18)	11.202	12141500	99.845 ug/ml
10) T n-Eicosane (C20)	12.509	11443332	100.148 ug/ml
11) T n-Heneicosane (C21)	13.121	11176825	100.271 ug/ml
13) T n-Docosane (C22)	13.707	11037483	100.252 ug/ml
14) T n-Tetracosane (C24)	14.809	10876377	100.221 ug/ml
15) T n-Hexacosane (C26)	15.828	10614268	99.859 ug/ml
16) T n-Octacosane (C28)	16.777	10320327	99.486 ug/ml
17) T n-Tricontane (C30)	17.665	10319047	98.836 ug/ml
18) T n-Dotriacontane (C32)	18.495	9858807	98.659 ug/ml
19) T n-Tetratriacontane (C34)	19.278	8705913	98.521 ug/ml
20) T n-Hexatriacontane (C36)	20.016	7525818	98.719 ug/ml
21) T n-Octatriacontane (C38)	20.742	7063203	97.785 ug/ml
22) T n-Tetracontane (C40)	21.636	6531634	97.802 ug/ml

(f)=RT Delta > 1/2 Window

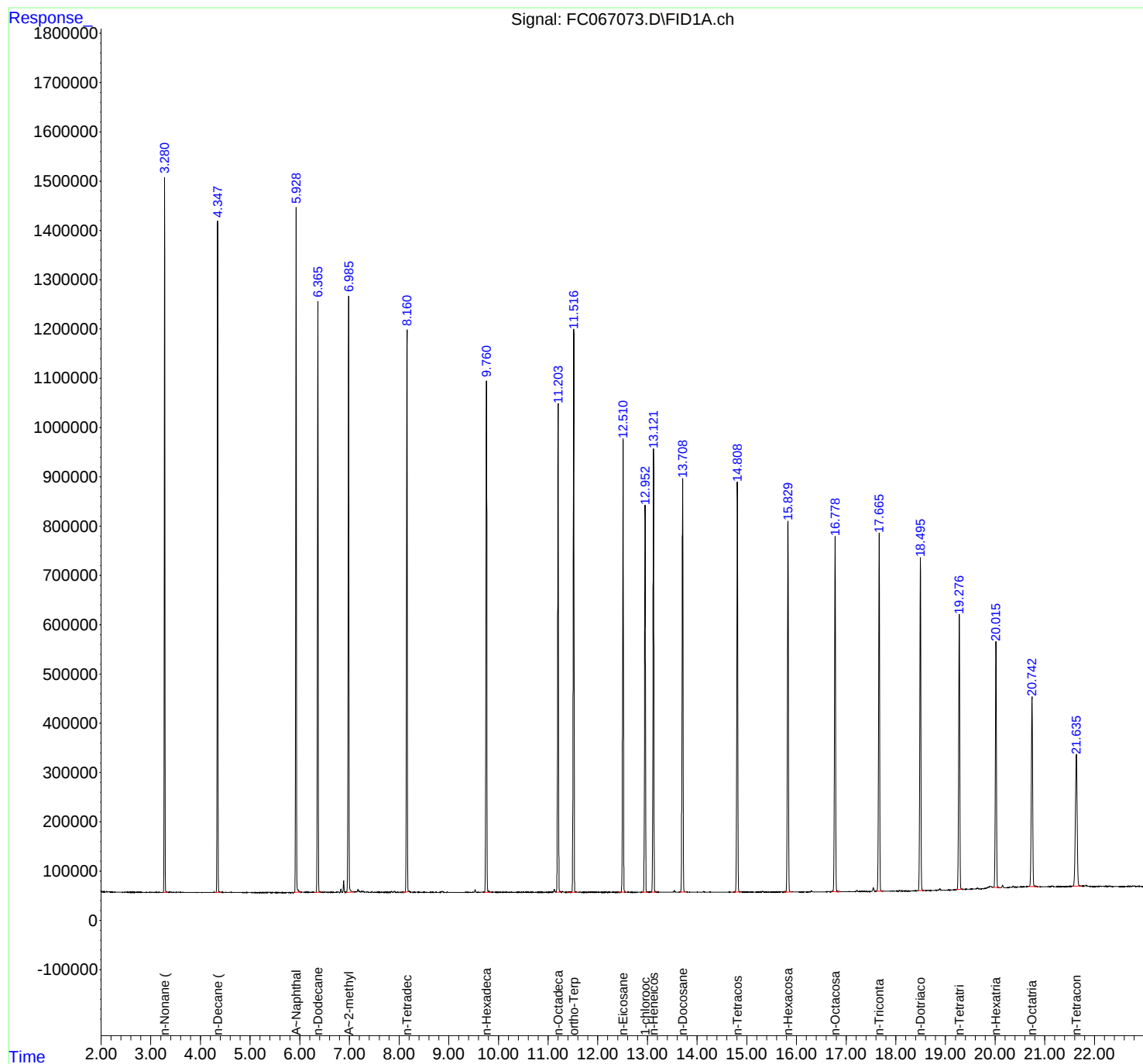
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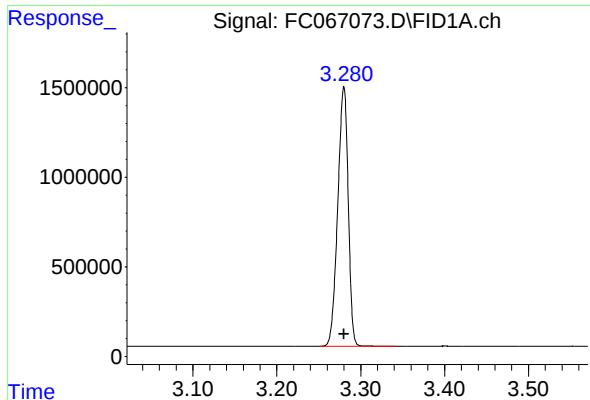
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067073.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:08
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: sample.E
Quant Time: Sep 11 02:51:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
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)

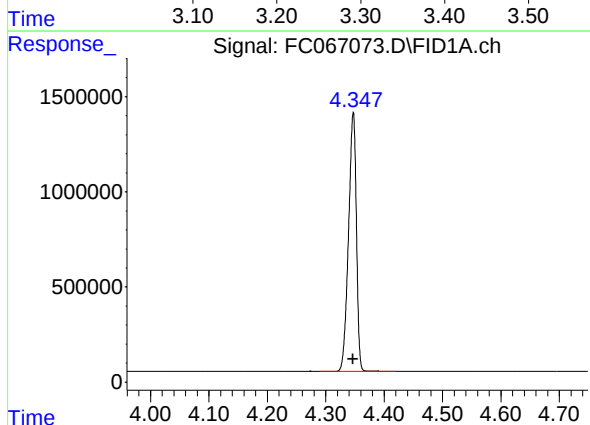
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 12551821
Conc: 99.84 ug/ml

Instrument :

FID_C

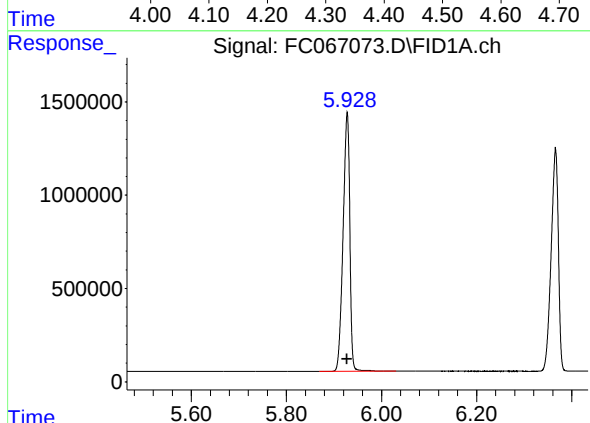
ClientSampleId :

100 PPM ALIPHATIC HC STD1



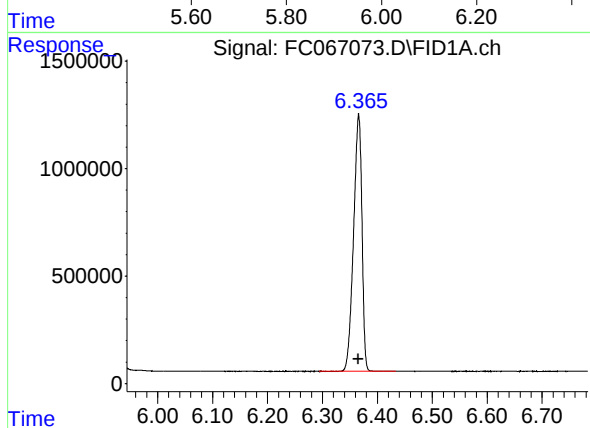
#2 n-Decane (C10)

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 12737455
Conc: 99.76 ug/ml



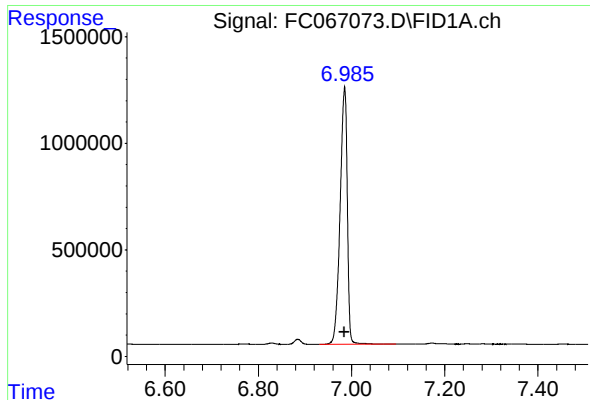
#3 A~Naphthalene (C11.7)

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 13632460
Conc: 100.26 ug/ml



#4 n-Dodecane (C12)

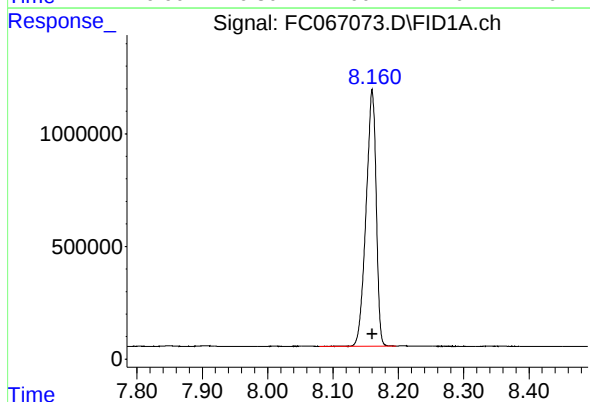
R.T.: 6.366 min
Delta R.T.: 0.000 min
Response: 12677200
Conc: 99.81 ug/ml



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

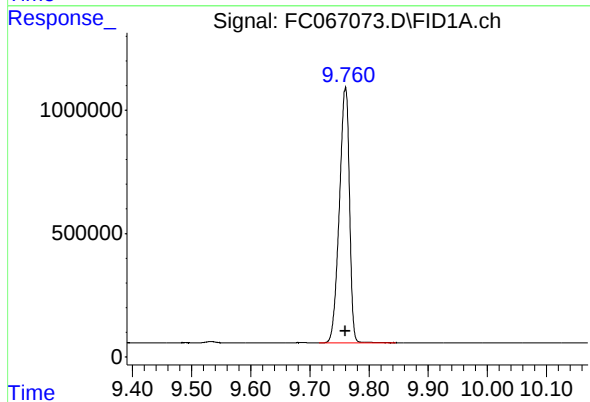
R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 12925758
Conc: 100.61 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



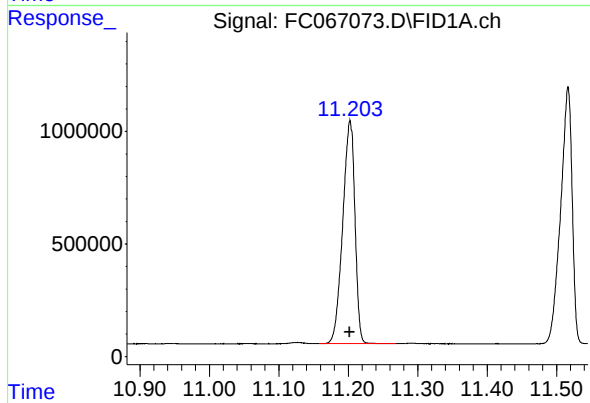
#6 n-Tetradecane (C14)

R.T.: 8.160 min
Delta R.T.: 0.000 min
Response: 12219543
Conc: 99.72 ug/ml



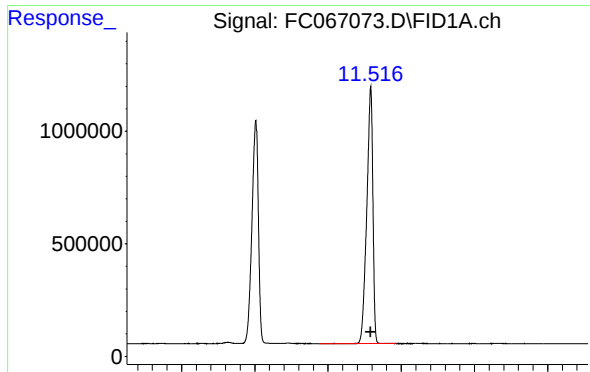
#7 n-Hexadecane (C16)

R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 12288401
Conc: 100.04 ug/ml



#8 n-Octadecane (C18)

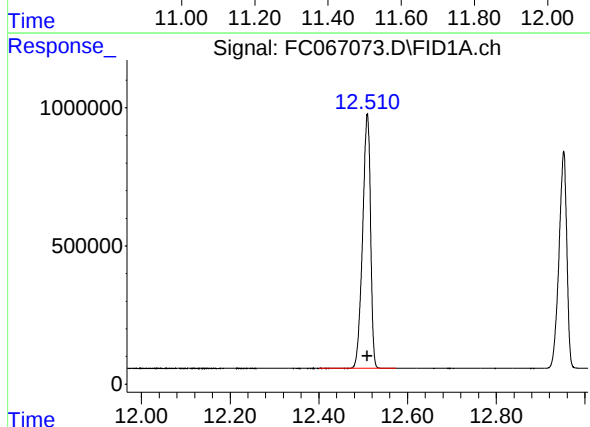
R.T.: 11.202 min
Delta R.T.: 0.000 min
Response: 12141500
Conc: 99.84 ug/ml



#9 ortho-Terphenyl (SURR)

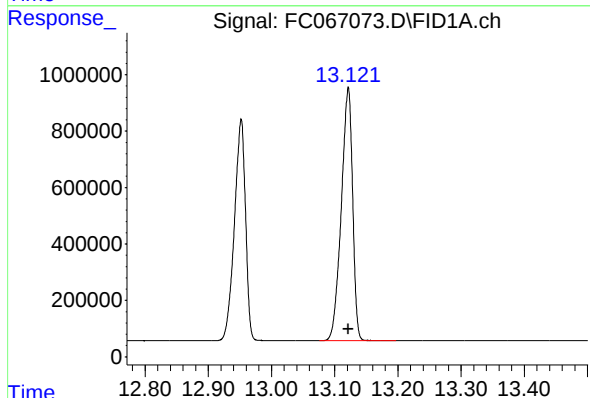
R.T.: 11.516 min
Delta R.T.: 0.000 min
Response: 13180678
Conc: 99.84 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



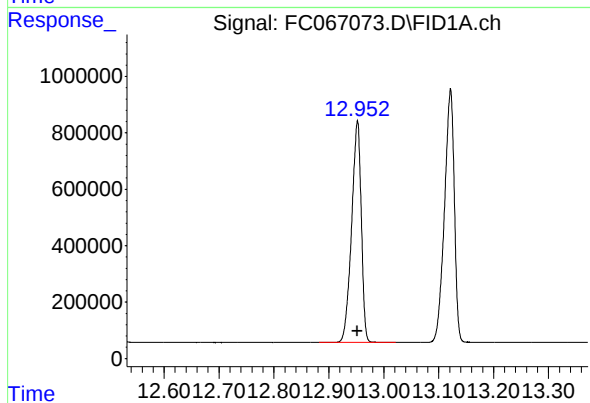
#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: 0.000 min
Response: 11443332
Conc: 100.15 ug/ml



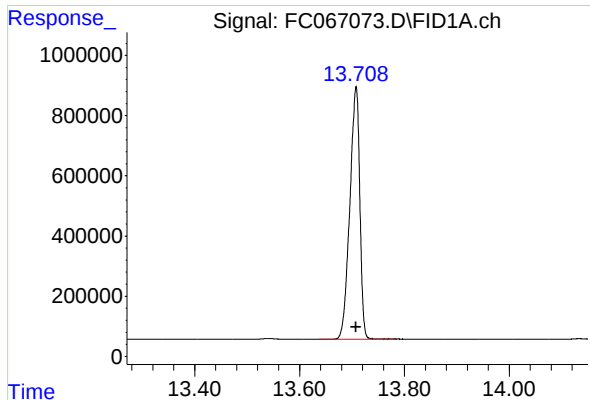
#11 n-Heneicosane (C21)

R.T.: 13.121 min
Delta R.T.: 0.000 min
Response: 11176825
Conc: 100.27 ug/ml



#12 1-chlorooctadecane (SURR)

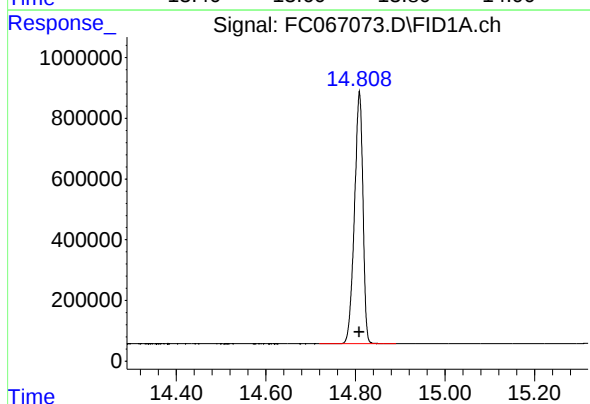
R.T.: 12.952 min
Delta R.T.: 0.000 min
Response: 9590092
Conc: 101.88 ug/ml



#13 n-Docosane (C22)

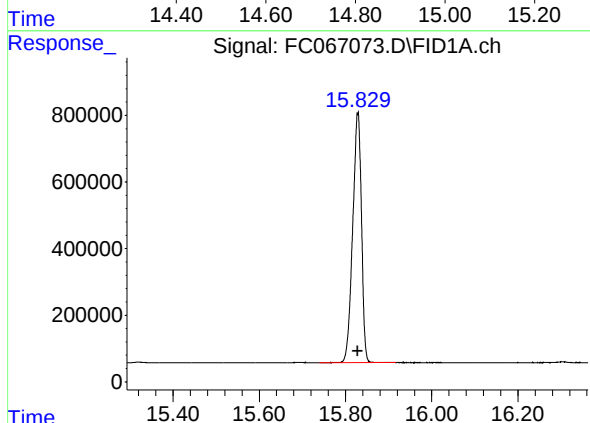
R.T.: 13.707 min
Delta R.T.: 0.000 min
Response: 11037483
Conc: 100.25 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



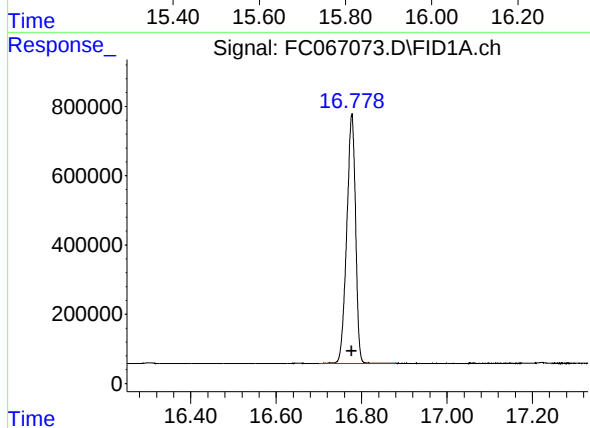
#14 n-Tetracosane (C24)

R.T.: 14.809 min
Delta R.T.: 0.000 min
Response: 10876377
Conc: 100.22 ug/ml



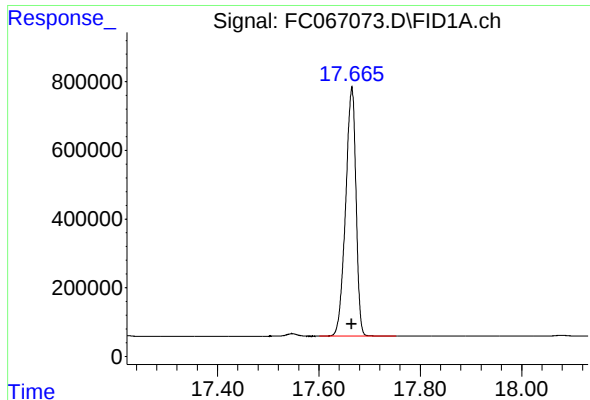
#15 n-Hexacosane (C26)

R.T.: 15.828 min
Delta R.T.: 0.000 min
Response: 10614268
Conc: 99.86 ug/ml



#16 n-Octacosane (C28)

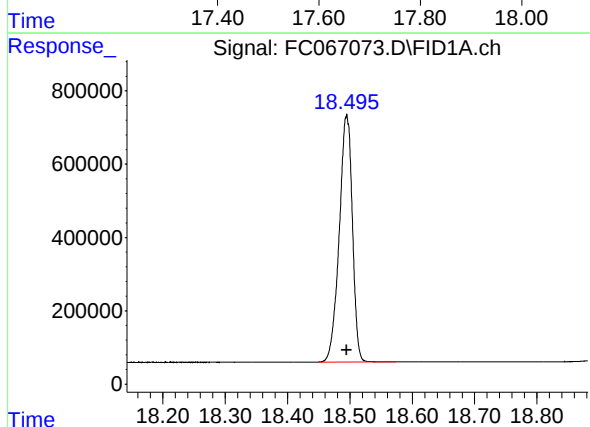
R.T.: 16.777 min
Delta R.T.: 0.000 min
Response: 10320327
Conc: 99.49 ug/ml



#17 n-Tricontane (C30)

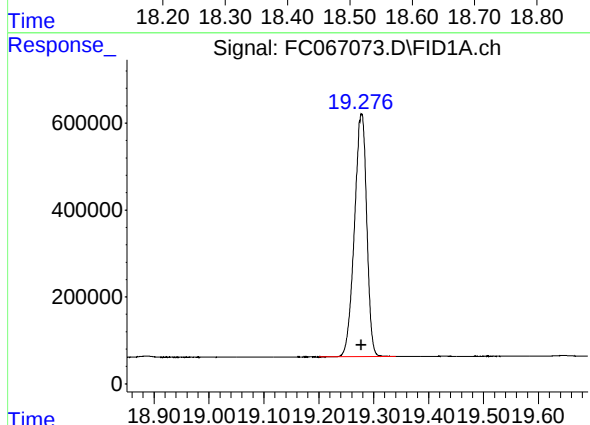
R.T.: 17.665 min
Delta R.T.: 0.000 min
Response: 10319047
Conc: 98.84 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



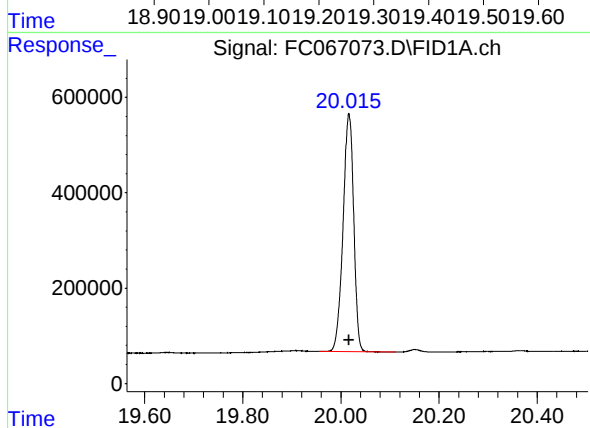
#18 n-Dotriacontane (C32)

R.T.: 18.495 min
Delta R.T.: 0.000 min
Response: 9858807
Conc: 98.66 ug/ml



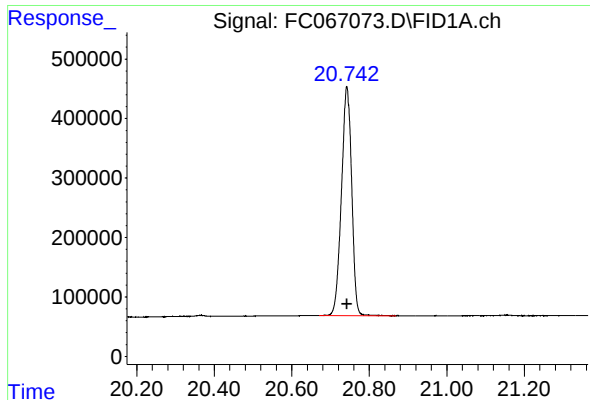
#19 n-Tetratriacontane (C34)

R.T.: 19.278 min
Delta R.T.: 0.000 min
Response: 8705913
Conc: 98.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.016 min
Delta R.T.: 0.000 min
Response: 7525818
Conc: 98.72 ug/ml



#21 n-Octatriacontane (C38)

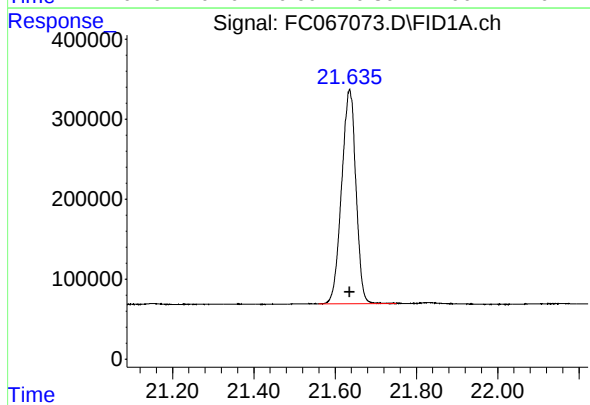
R.T.: 20.742 min
Delta R.T.: 0.000 min
Response: 7063203
Conc: 97.79 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.636 min
Delta R.T.: 0.000 min
Response: 6531634
Conc: 97.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067073.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:08
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.280	3.250	3.342	BB	1459697	12551821	92.07%	5.243%
2	4.347	4.289	4.420	BB	1362990	12737455	93.43%	5.320%
3	5.927	5.869	6.030	BB	1384307	13632460	100.00%	5.694%
4	6.366	6.294	6.434	BB	1194544	12677200	92.99%	5.295%
5	6.985	6.930	7.095	BV	1214867	12925758	94.82%	5.399%
6	8.160	8.079	8.196	BV	1138439	12219543	89.64%	5.104%
7	9.760	9.715	9.845	BB	1037060	12288401	90.14%	5.133%
8	11.202	11.158	11.269	VV	989820	12141500	89.06%	5.071%
9	11.516	11.375	11.585	BB	1134554	13180678	96.69%	5.505%
10	12.509	12.400	12.574	BB	921699	11443332	83.94%	4.780%
11	12.952	12.882	13.022	BB	786888	9590092	70.35%	4.006%
12	13.121	13.075	13.197	BB	903972	11176825	81.99%	4.668%
13	13.707	13.637	13.784	BB	835972	11037483	80.96%	4.610%
14	14.809	14.719	14.890	BB	829959	10876377	79.78%	4.543%
15	15.828	15.739	15.917	BB	747188	10614268	77.86%	4.433%
16	16.777	16.700	16.880	BB	716472	10320327	75.70%	4.311%
17	17.665	17.600	17.752	BB	729183	10319047	75.69%	4.310%
18	18.495	18.450	18.574	BB	675816	9858807	72.32%	4.118%
19	19.278	19.200	19.340	BB	560043	8705913	63.86%	3.636%
20	20.016	19.955	20.112	BB	497278	7525818	55.21%	3.143%
21	20.742	20.670	20.869	BB	385181	7063203	51.81%	2.950%
22	21.636	21.560	21.750	BBA	267711	6531634	47.91%	2.728%
Sum of corrected areas:						239417942		

Aliphatic EPH 091024.M Wed Sep 11 03:19:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067074.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 11:45
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: sample.E
 Quant Time: Sep 11 02:53:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
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Spiked Amount 50.000		Recovery =	100.45%
Target Compounds			
1) T n-Nonane (C9)	3.277	6332439	50.246 ug/ml
2) T n-Decane (C10)	4.344	6433553	50.258 ug/ml
3) T A~Naphthalene (C11.7)	5.923	6844384	50.226 ug/ml
4) T n-Dodecane (C12)	6.362	6404719	50.283 ug/ml
5) T A~2-methylnaphthalene...	6.980	6466439	50.220 ug/ml
6) T n-Tetradecane (C14)	8.156	6185220	50.315 ug/ml
7) T n-Hexadecane (C16)	9.756	6169524	50.151 ug/ml
8) T n-Octadecane (C18)	11.198	6100975	50.114 ug/ml
10) T n-Eicosane (C20)	12.505	5727323	50.082 ug/ml
11) T n-Heneicosane (C21)	13.116	5586072	50.076 ug/ml
13) T n-Docosane (C22)	13.702	5512504	50.046 ug/ml
14) T n-Tetracosane (C24)	14.804	5434668	50.052 ug/ml
15) T n-Hexacosane (C26)	15.824	5314674	50.000 ug/ml
16) T n-Octacosane (C28)	16.773	5176200	49.932 ug/ml
17) T n-Tricontane (C30)	17.660	5202691	49.888 ug/ml
18) T n-Dotriacontane (C32)	18.492	4972885	49.843 ug/ml
19) T n-Tetratriacontane (C34)	19.273	4404910	49.899 ug/ml
20) T n-Hexatriacontane (C36)	20.012	3791449	49.822 ug/ml
21) T n-Octatriacontane (C38)	20.738	3568567	49.601 ug/ml
22) T n-Tetracontane (C40)	21.629	3340817	50.016 ug/ml

(f)=RT Delta > 1/2 Window

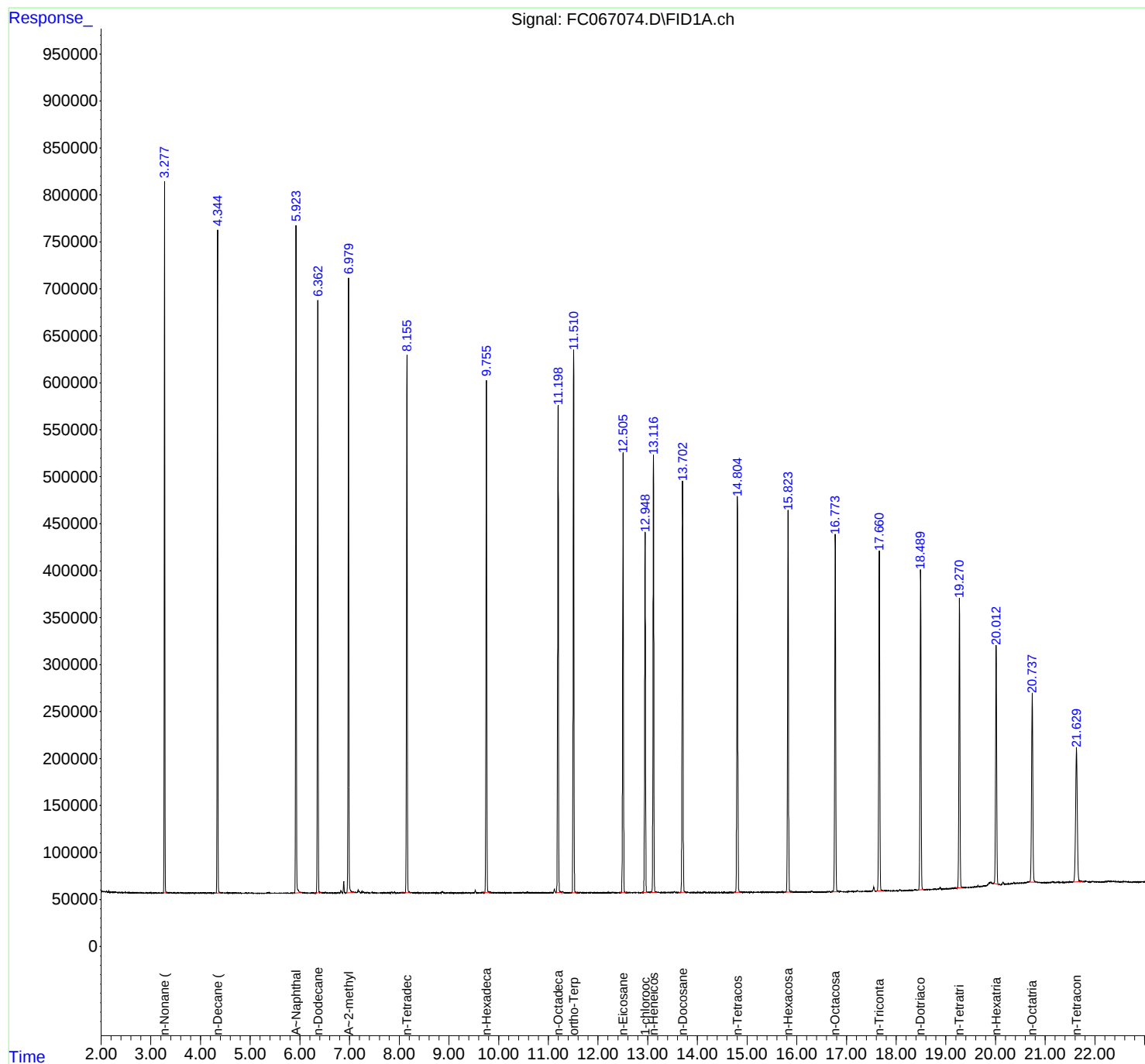
(m)=manual int.

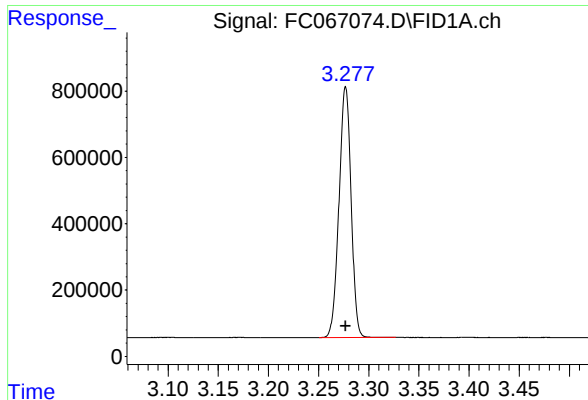
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067074.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:45
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: sample.E
Quant Time: Sep 11 02:53:03 2024
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

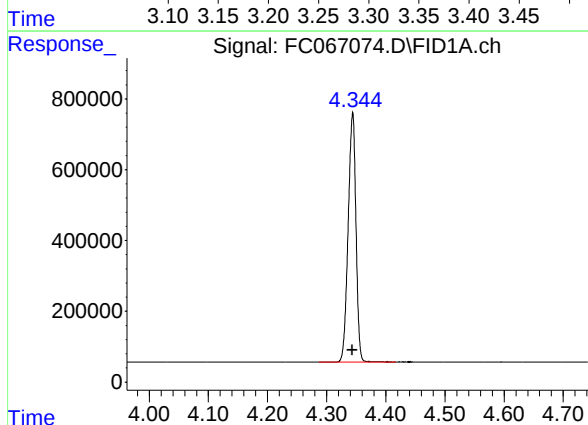




#1 n-Nonane (C9)

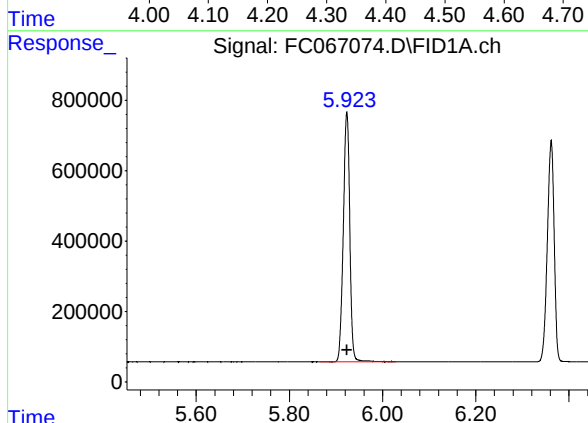
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 6332439
Conc: 50.25 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



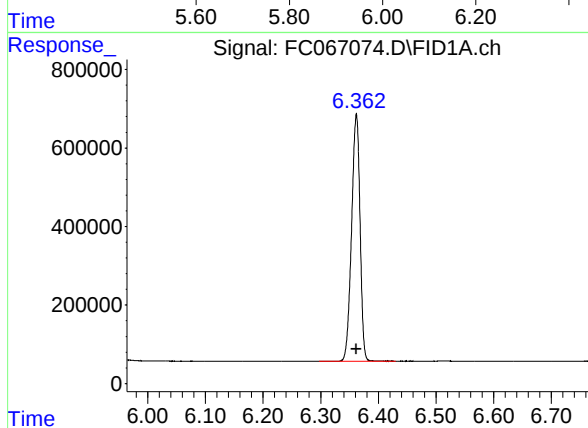
#2 n-Decane (C10)

R.T.: 4.344 min
Delta R.T.: 0.000 min
Response: 6433553
Conc: 50.26 ug/ml



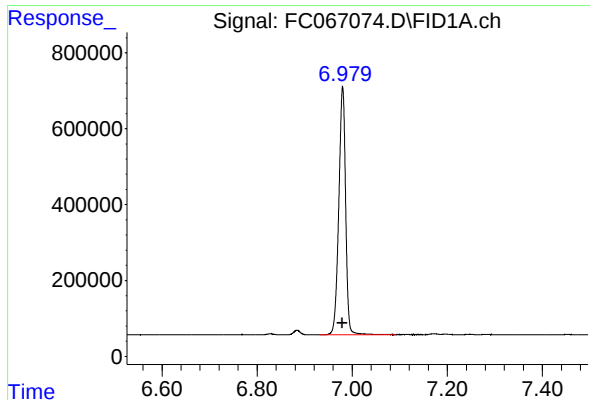
#3 A~Naphthalene (C11.7)

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 6844384
Conc: 50.23 ug/ml



#4 n-Dodecane (C12)

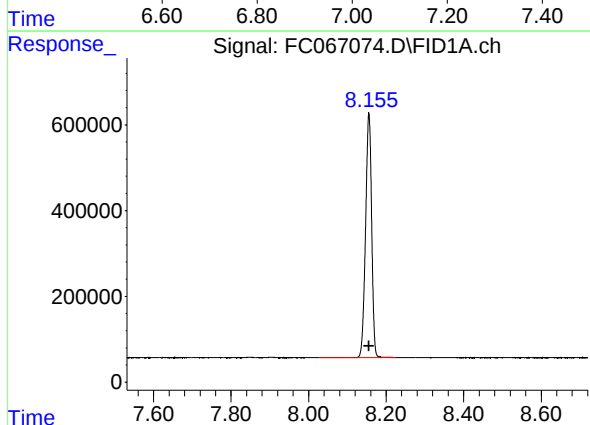
R.T.: 6.362 min
Delta R.T.: 0.000 min
Response: 6404719
Conc: 50.28 ug/ml



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

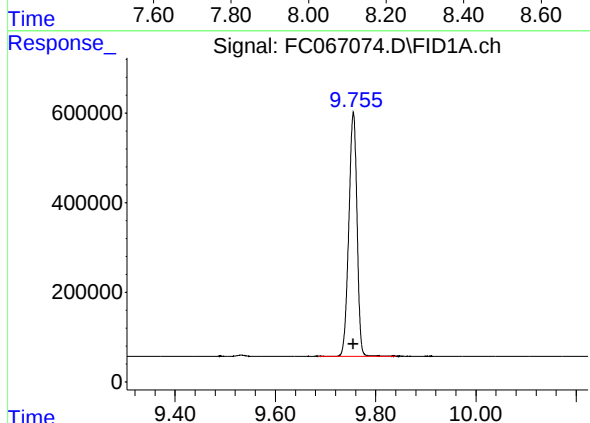
R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 6466439
Conc: 50.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



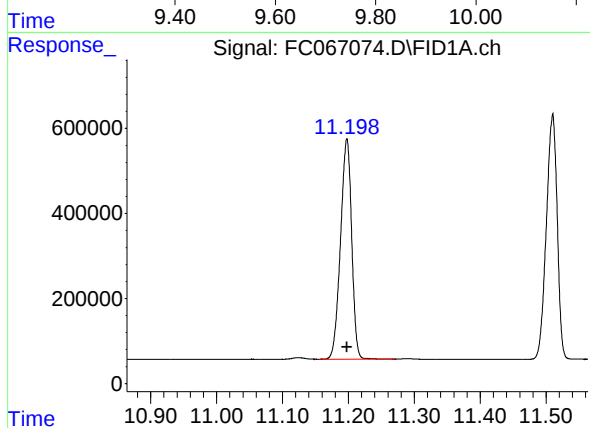
#6 n-Tetradecane (C14)

R.T.: 8.156 min
Delta R.T.: 0.000 min
Response: 6185220
Conc: 50.32 ug/ml



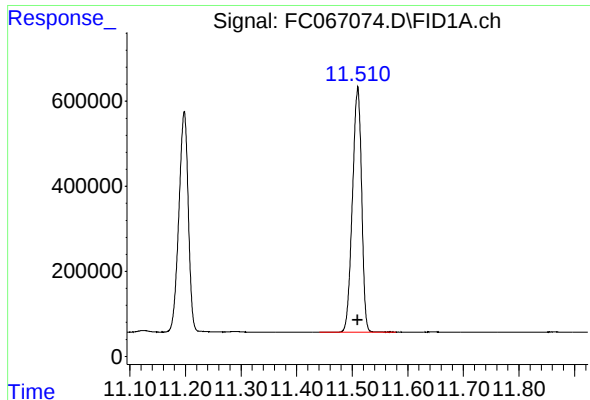
#7 n-Hexadecane (C16)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 6169524
Conc: 50.15 ug/ml



#8 n-Octadecane (C18)

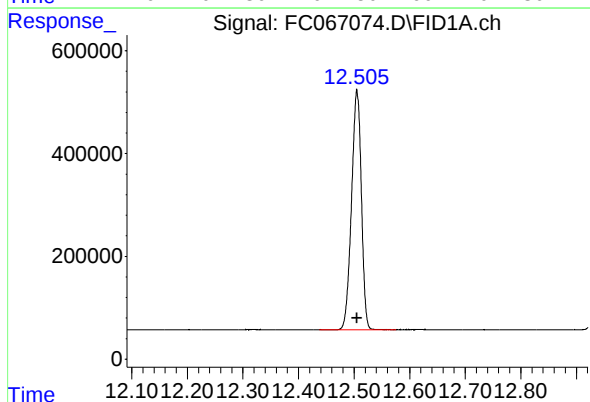
R.T.: 11.198 min
Delta R.T.: 0.000 min
Response: 6100975
Conc: 50.11 ug/ml



#9 ortho-Terphenyl (SURR)

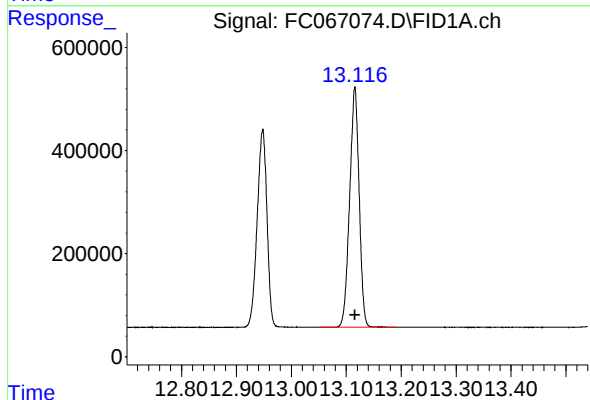
R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 6608093
Conc: 50.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



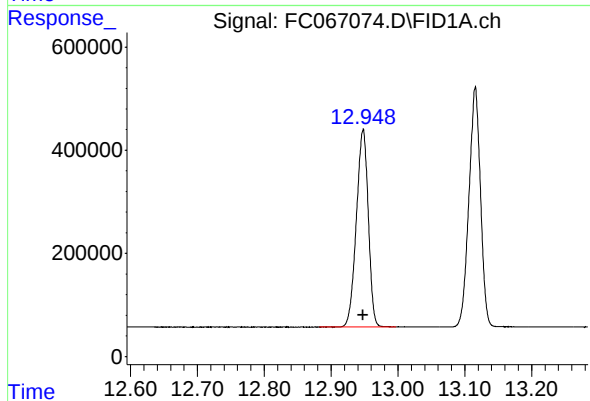
#10 n-Eicosane (C20)

R.T.: 12.505 min
Delta R.T.: 0.000 min
Response: 5727323
Conc: 50.08 ug/ml



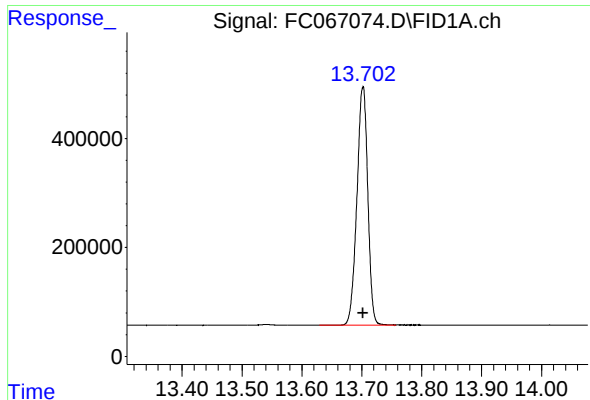
#11 n-Heneicosane (C21)

R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 5586072
Conc: 50.08 ug/ml



#12 1-chlorooctadecane (SURR)

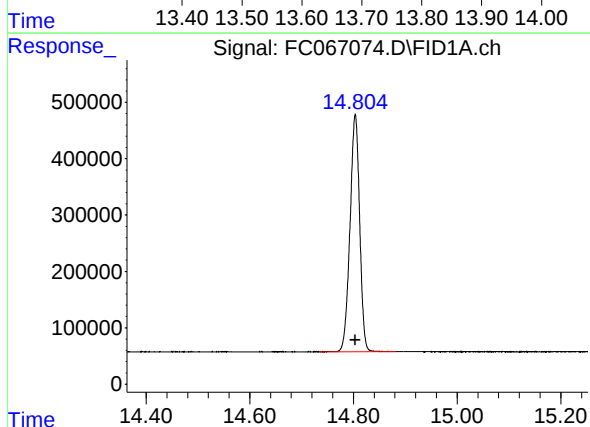
R.T.: 12.948 min
Delta R.T.: 0.000 min
Response: 4738064
Conc: 50.22 ug/ml



#13 n-Docosane (C22)

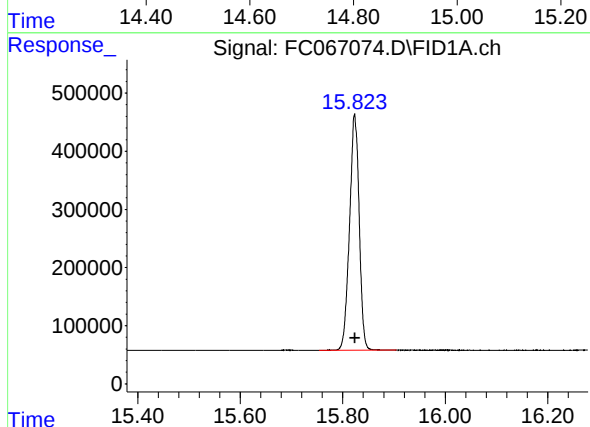
R.T.: 13.702 min
Delta R.T.: 0.000 min
Response: 5512504
Conc: 50.05 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



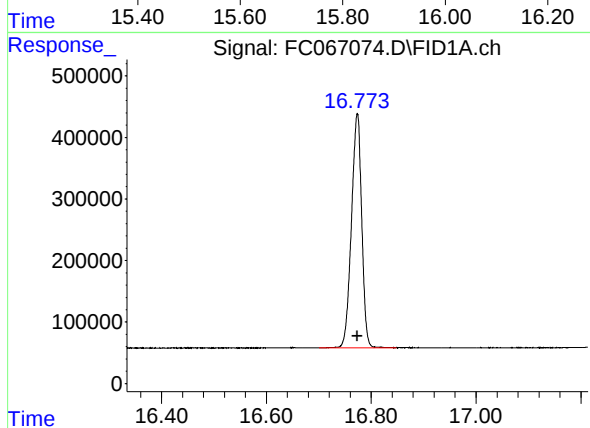
#14 n-Tetracosane (C24)

R.T.: 14.804 min
Delta R.T.: 0.000 min
Response: 5434668
Conc: 50.05 ug/ml



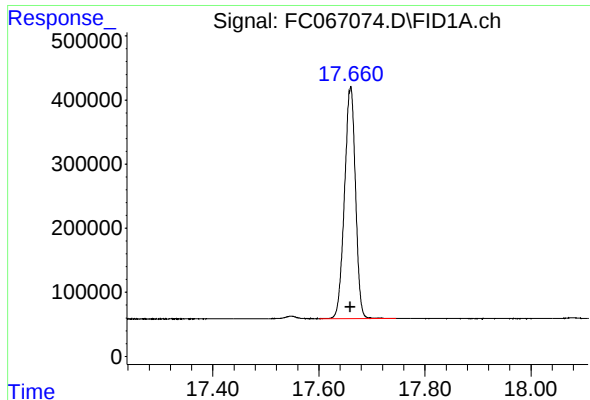
#15 n-Hexacosane (C26)

R.T.: 15.824 min
Delta R.T.: 0.000 min
Response: 5314674
Conc: 50.00 ug/ml



#16 n-Octacosane (C28)

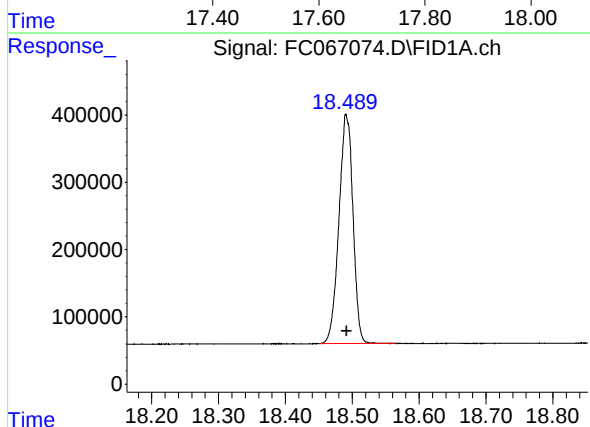
R.T.: 16.773 min
Delta R.T.: 0.000 min
Response: 5176200
Conc: 49.93 ug/ml



#17 n-Tricontane (C30)

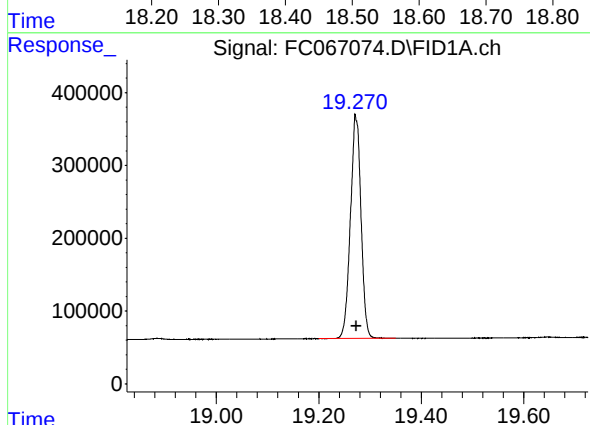
R.T.: 17.660 min
Delta R.T.: 0.000 min
Response: 5202691
Conc: 49.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



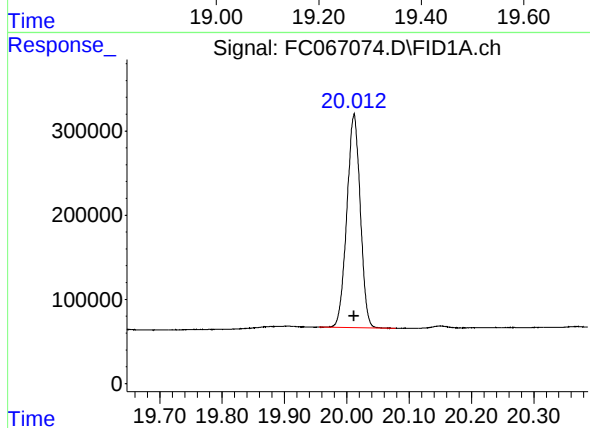
#18 n-Dotriacontane (C32)

R.T.: 18.492 min
Delta R.T.: 0.000 min
Response: 4972885
Conc: 49.84 ug/ml



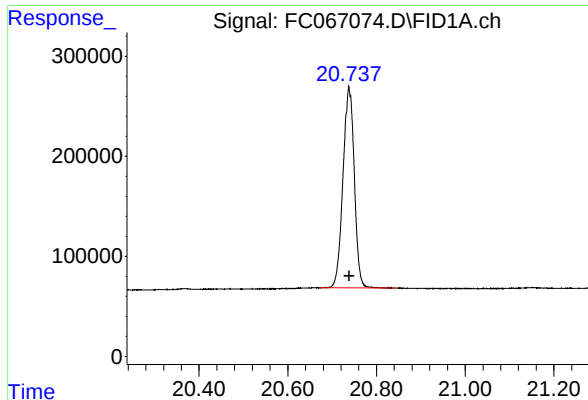
#19 n-Tetatriacontane (C34)

R.T.: 19.273 min
Delta R.T.: 0.000 min
Response: 4404910
Conc: 49.90 ug/ml



#20 n-Hexatriacontane (C36)

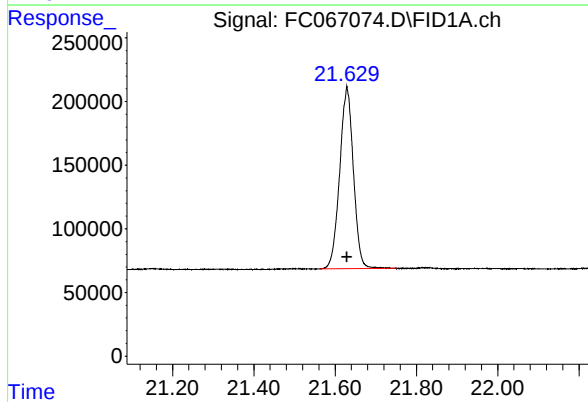
R.T.: 20.012 min
Delta R.T.: 0.000 min
Response: 3791449
Conc: 49.82 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.738 min
Delta R.T.: 0.000 min
Response: 3568567
Conc: 49.60 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.629 min
Delta R.T.: 0.000 min
Response: 3340817
Conc: 50.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067074.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 11:45
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.277	3.250	3.327	BB	757230	6332439	92.52%	5.263%
2	4.344	4.287	4.417	BB	704039	6433553	94.00%	5.347%
3	5.923	5.864	6.029	BB	711223	6844384	100.00%	5.689%
4	6.362	6.297	6.430	BB	631452	6404719	93.58%	5.323%
5	6.980	6.930	7.092	BB	655421	6466439	94.48%	5.375%
6	8.156	8.027	8.225	BB	571402	6185220	90.37%	5.141%
7	9.756	9.687	9.840	BB	544319	6169524	90.14%	5.128%
8	11.198	11.155	11.272	PV	518459	6100975	89.14%	5.071%
9	11.510	11.440	11.579	BB	579975	6608093	96.55%	5.492%
10	12.505	12.437	12.575	BB	465036	5727323	83.68%	4.760%
11	12.948	12.882	12.997	BB	382030	4738064	69.23%	3.938%
12	13.116	13.050	13.190	BB	464391	5586072	81.62%	4.643%
13	13.702	13.629	13.757	BB	437124	5512504	80.54%	4.582%
14	14.804	14.734	14.882	BB	421529	5434668	79.40%	4.517%
15	15.824	15.754	15.904	BB	403888	5314674	77.65%	4.417%
16	16.773	16.700	16.847	BB	380856	5176200	75.63%	4.302%
17	17.660	17.600	17.745	BB	363539	5202691	76.01%	4.324%
18	18.492	18.450	18.565	BB	335629	4972885	72.66%	4.133%
19	19.273	19.200	19.350	BB	302745	4404910	64.36%	3.661%
20	20.012	19.955	20.079	BB	254412	3791449	55.40%	3.151%
21	20.738	20.670	20.844	BB	198894	3568567	52.14%	2.966%
22	21.629	21.560	21.750	BBA	142763	3340817	48.81%	2.777%

Sum of corrected areas: 120316170

Aliphatic EPH 091024.M Wed Sep 11 03:19:27 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067075.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 12:23
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: sample.E
 Quant Time: Sep 11 02:49:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:43:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.506	2644557	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.945	1847113	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.275	2518413	20.000 ug/ml
2) T n-Decane (C10)	4.342	2559718	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.922	2712130	20.000 ug/ml
4) T n-Dodecane (C12)	6.359	2545138	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.978	2554054	20.000 ug/ml
6) T n-Tetradecane (C14)	8.154	2457775	20.000 ug/ml
7) T n-Hexadecane (C16)	9.753	2455602	20.000 ug/ml
8) T n-Octadecane (C18)	11.194	2435841	20.000 ug/ml
10) T n-Eicosane (C20)	12.502	2281912	20.000 ug/ml
11) T n-Heneicosane (C21)	13.113	2223261	20.000 ug/ml
13) T n-Docosane (C22)	13.699	2196378	20.000 ug/ml
14) T n-Tetracosane (C24)	14.801	2165662	20.000 ug/ml
15) T n-Hexacosane (C26)	15.821	2128845	20.000 ug/ml
16) T n-Octacosane (C28)	16.770	2085395	20.000 ug/ml
17) T n-Tricontane (C30)	17.658	2112411	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.488	2025348	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.271	1793460	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.009	1544239	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.736	1476624	20.000 ug/ml
22) T n-Tetracontane (C40)	21.627	1365040	20.000 ug/ml

(f)=RT Delta > 1/2 Window

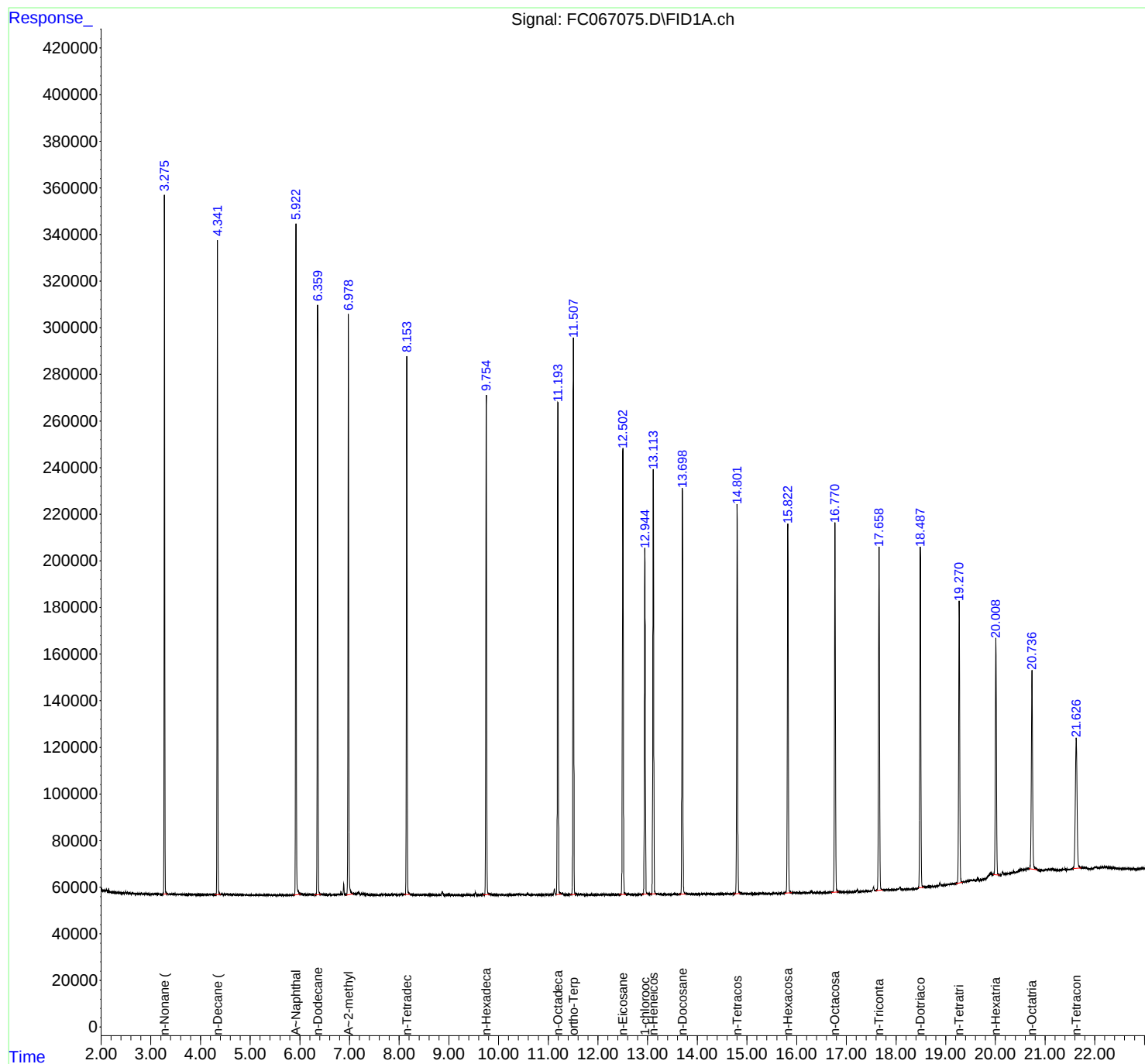
(m)=manual int.

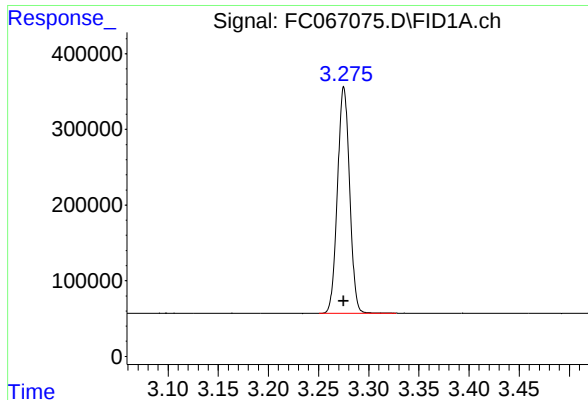
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067075.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 12:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: sample.E
Quant Time: Sep 11 02:49:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

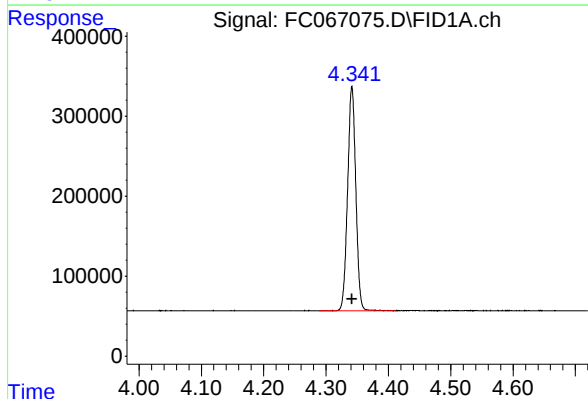




#1 n-Nonane (C9)

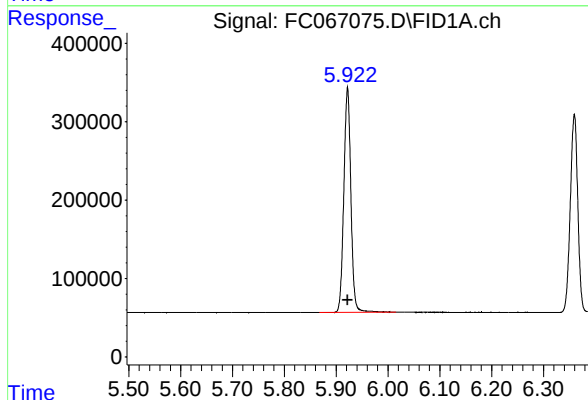
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2518413
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



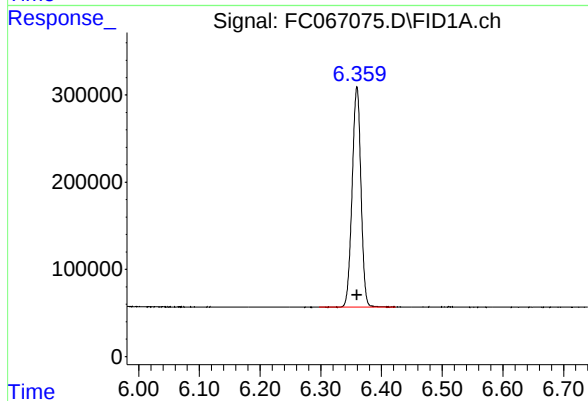
#2 n-Decane (C10)

R.T.: 4.342 min
Delta R.T.: 0.000 min
Response: 2559718
Conc: 20.00 ug/ml



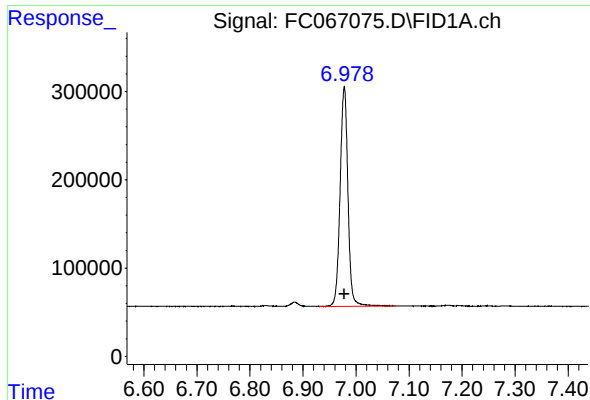
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 2712130
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

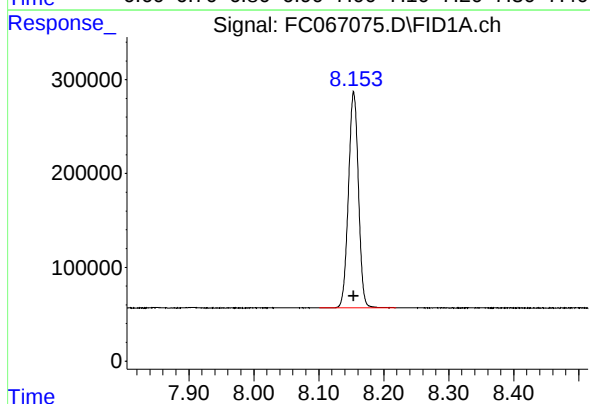
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 2545138
Conc: 20.00 ug/ml



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

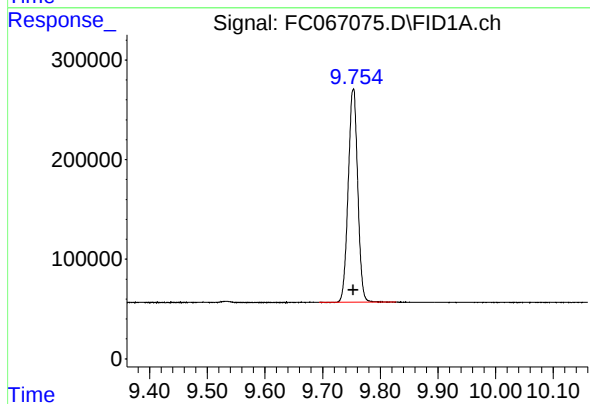
R.T.: 6.978 min
Delta R.T.: 0.000 min
Response: 2554054
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



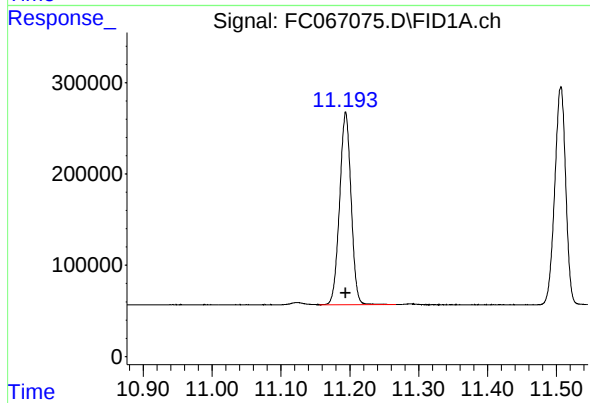
#6 n-Tetradecane (C14)

R.T.: 8.154 min
Delta R.T.: 0.000 min
Response: 2457775
Conc: 20.00 ug/ml



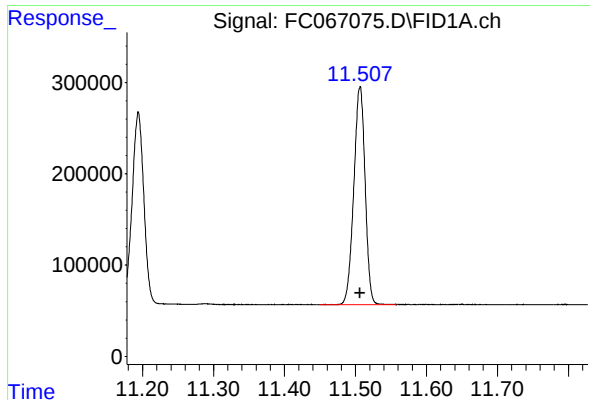
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: 0.000 min
Response: 2455602
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

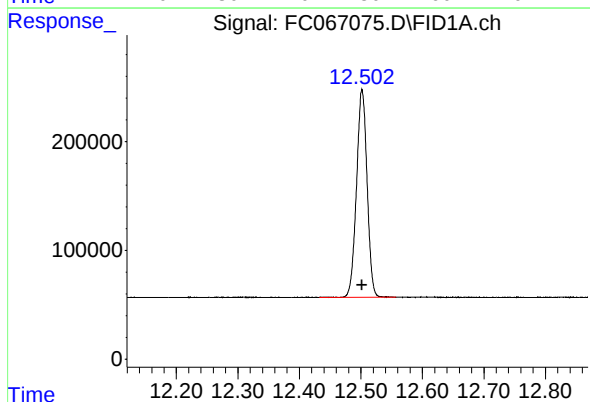
R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 2435841
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

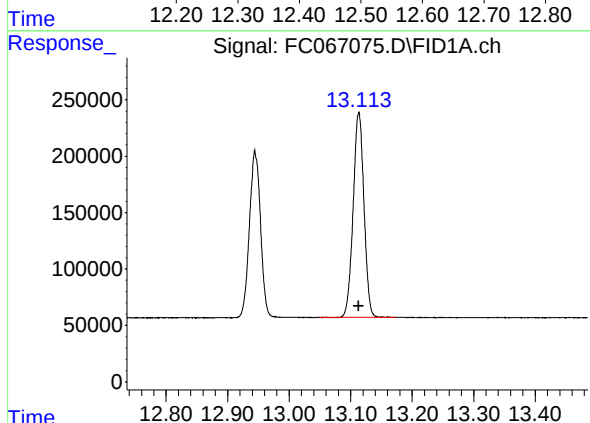
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 2644557
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



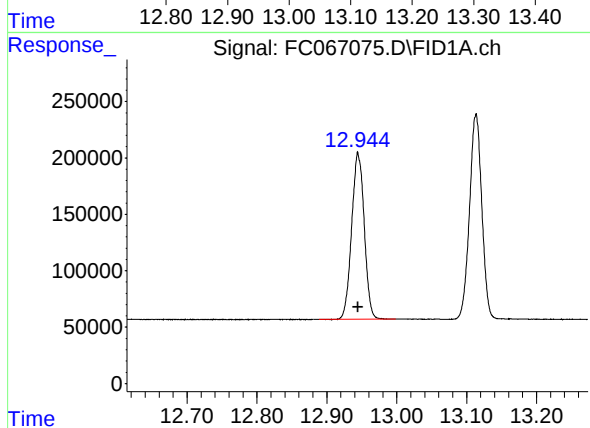
#10 n-Eicosane (C20)

R.T.: 12.502 min
Delta R.T.: 0.000 min
Response: 2281912
Conc: 20.00 ug/ml



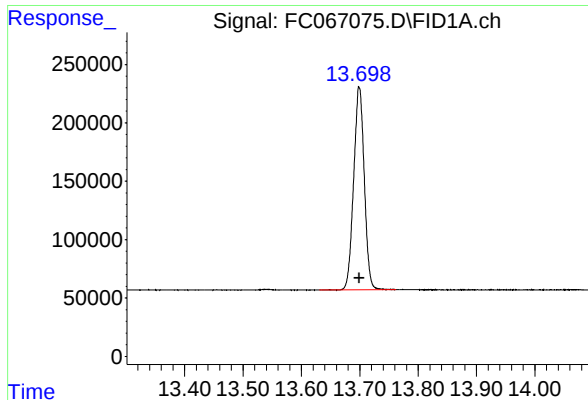
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 2223261
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

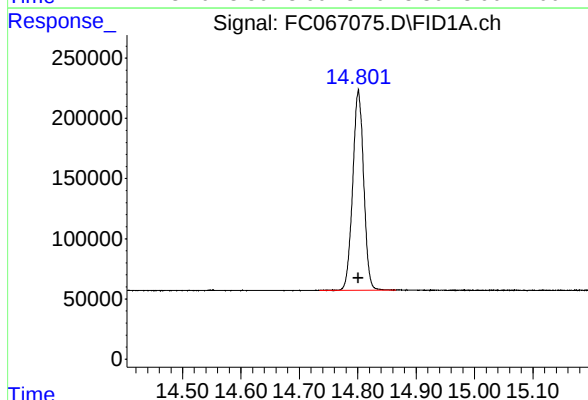
R.T.: 12.945 min
Delta R.T.: 0.000 min
Response: 1847113
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

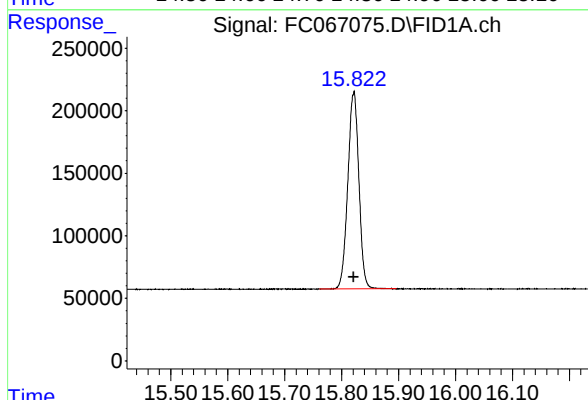
R.T.: 13.699 min
Delta R.T.: 0.000 min
Response: 2196378
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



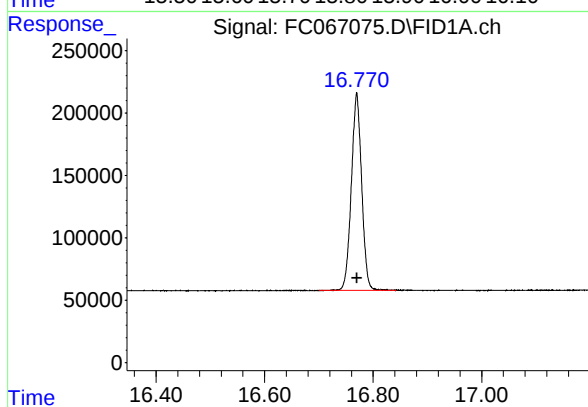
#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: 0.000 min
Response: 2165662
Conc: 20.00 ug/ml



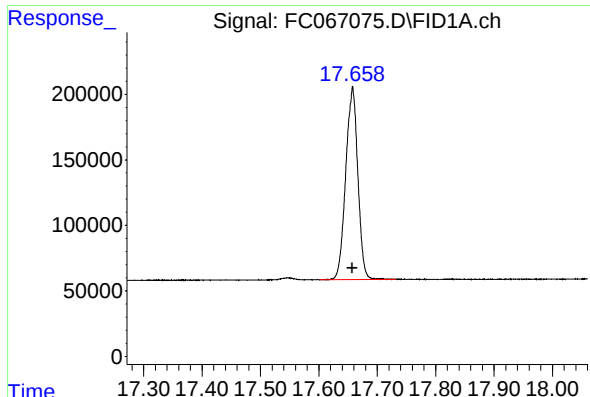
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.000 min
Response: 2128845
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

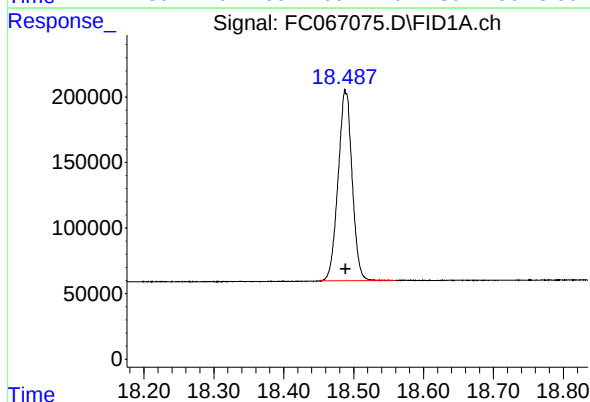
R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 2085395
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

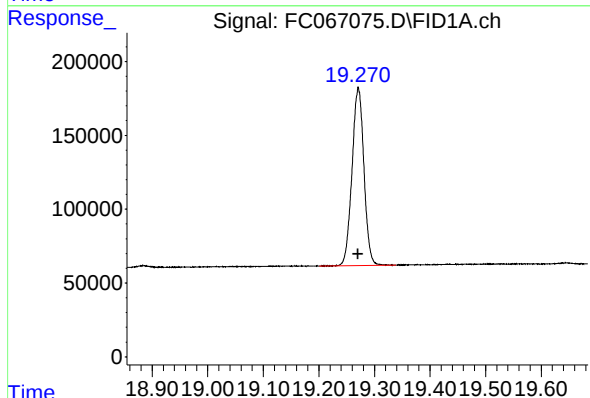
R.T.: 17.658 min
Delta R.T.: 0.000 min
Response: 2112411
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



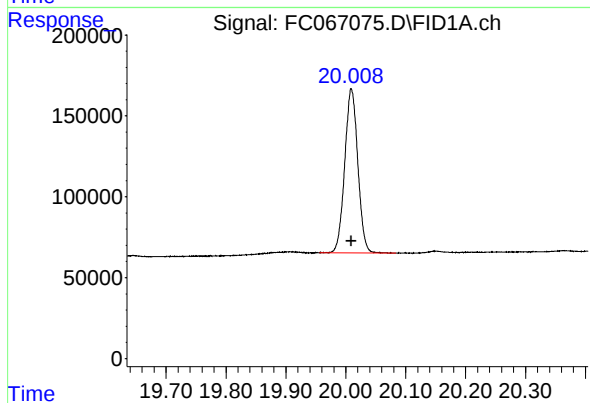
#18 n-Dotriacontane (C32)

R.T.: 18.488 min
Delta R.T.: 0.000 min
Response: 2025348
Conc: 20.00 ug/ml



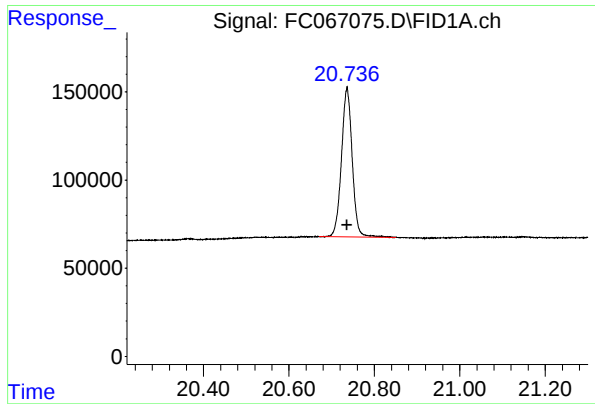
#19 n-Tetatriacontane (C34)

R.T.: 19.271 min
Delta R.T.: 0.000 min
Response: 1793460
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

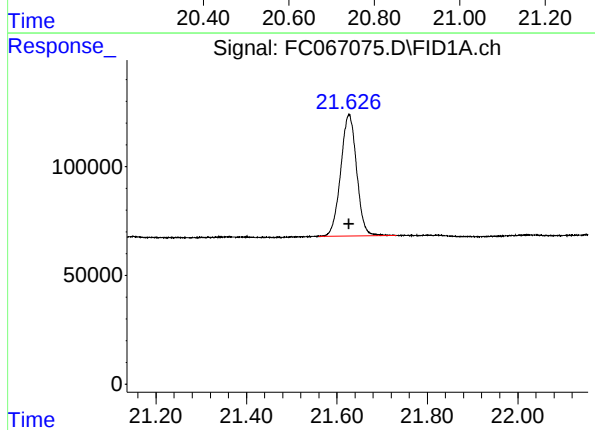
R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 1544239
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.736 min
Delta R.T.: 0.000 min
Response: 1476624
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.627 min
Delta R.T.: 0.000 min
Response: 1365040
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067075.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 12:23
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.275	3.250	3.327	BB	299454	2518413	92.86%	5.233%
2	4.342	4.289	4.412	BB	280483	2559718	94.38%	5.318%
3	5.922	5.867	6.015	BB	287501	2712130	100.00%	5.635%
4	6.359	6.297	6.424	BB	252058	2545138	93.84%	5.288%
5	6.978	6.930	7.075	BB	248095	2554054	94.17%	5.307%
6	8.154	8.100	8.219	BB	230193	2457775	90.62%	5.107%
7	9.753	9.694	9.827	BB	214574	2455602	90.54%	5.102%
8	11.194	11.155	11.267	PB	211258	2435841	89.81%	5.061%
9	11.506	11.449	11.557	BB	239858	2644557	97.51%	5.495%
10	12.502	12.432	12.557	BB	190564	2281912	84.14%	4.741%
11	12.945	12.889	12.999	BB	144858	1847113	68.11%	3.838%
12	13.113	13.049	13.174	BB	182322	2223261	81.97%	4.619%
13	13.699	13.630	13.762	BB	174051	2196378	80.98%	4.564%
14	14.801	14.734	14.865	BB	164953	2165662	79.85%	4.500%
15	15.821	15.760	15.895	BB	156672	2128845	78.49%	4.423%
16	16.770	16.700	16.842	BB	158445	2085395	76.89%	4.333%
17	17.658	17.600	17.732	BB	146506	2112411	77.89%	4.389%
18	18.489	18.450	18.560	BB	143418	2025348	74.68%	4.208%
19	19.271	19.200	19.339	BB	120650	1793460	66.13%	3.726%
20	20.009	19.955	20.084	BB	101617	1544239	56.94%	3.209%
21	20.736	20.670	20.850	BB	84635	1476624	54.45%	3.068%
22	21.627	21.560	21.730	BB	55747	1365040	50.33%	2.836%
Sum of corrected areas:							48128917	

Aliphatic EPH 091024.M Wed Sep 11 03:19:44 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067076.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 13:02
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: sample.E
 Quant Time: Sep 11 02:54:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:43:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.505	1489701	10.930 ug/ml
Spiked Amount 50.000		Recovery =	21.86%
12) S 1-chlorooctadecane (S...	12.943	1045740	10.792 ug/ml
Spiked Amount 50.000		Recovery =	21.58%
Target Compounds			
1) T n-Nonane (C9)	3.276	1393114	10.770 ug/ml
2) T n-Decane (C10)	4.341	1411514	10.751 ug/ml
3) T A~Naphthalene (C11.7)	5.921	1499437	10.734 ug/ml
4) T n-Dodecane (C12)	6.359	1403991	10.748 ug/ml
5) T A~2-methylnaphthalene...	6.977	1409620	10.694 ug/ml
6) T n-Tetradecane (C14)	8.153	1355374	10.750 ug/ml
7) T n-Hexadecane (C16)	9.752	1362371	10.785 ug/ml
8) T n-Octadecane (C18)	11.193	1361900	10.864 ug/ml
10) T n-Eicosane (C20)	12.501	1281349	10.877 ug/ml
11) T n-Heneicosane (C21)	13.112	1243307	10.835 ug/ml
13) T n-Docosane (C22)	13.698	1230448	10.853 ug/ml
14) T n-Tetracosane (C24)	14.800	1201402	10.778 ug/ml
15) T n-Hexacosane (C26)	15.820	1166617	10.714 ug/ml
16) T n-Octacosane (C28)	16.770	1130068	10.661 ug/ml
17) T n-Tricontane (C30)	17.656	1131282	10.623 ug/ml
18) T n-Dotriacontane (C32)	18.487	1082919	10.627 ug/ml
19) T n-Tetratriacontane (C34)	19.271	959742	10.640 ug/ml
20) T n-Hexatriacontane (C36)	20.009	834794	10.710 ug/ml
21) T n-Octatriacontane (C38)	20.735	790206	10.720 ug/ml
22) T n-Tetracontane (C40)	21.626	742517	10.815 ug/ml

(f)=RT Delta > 1/2 Window

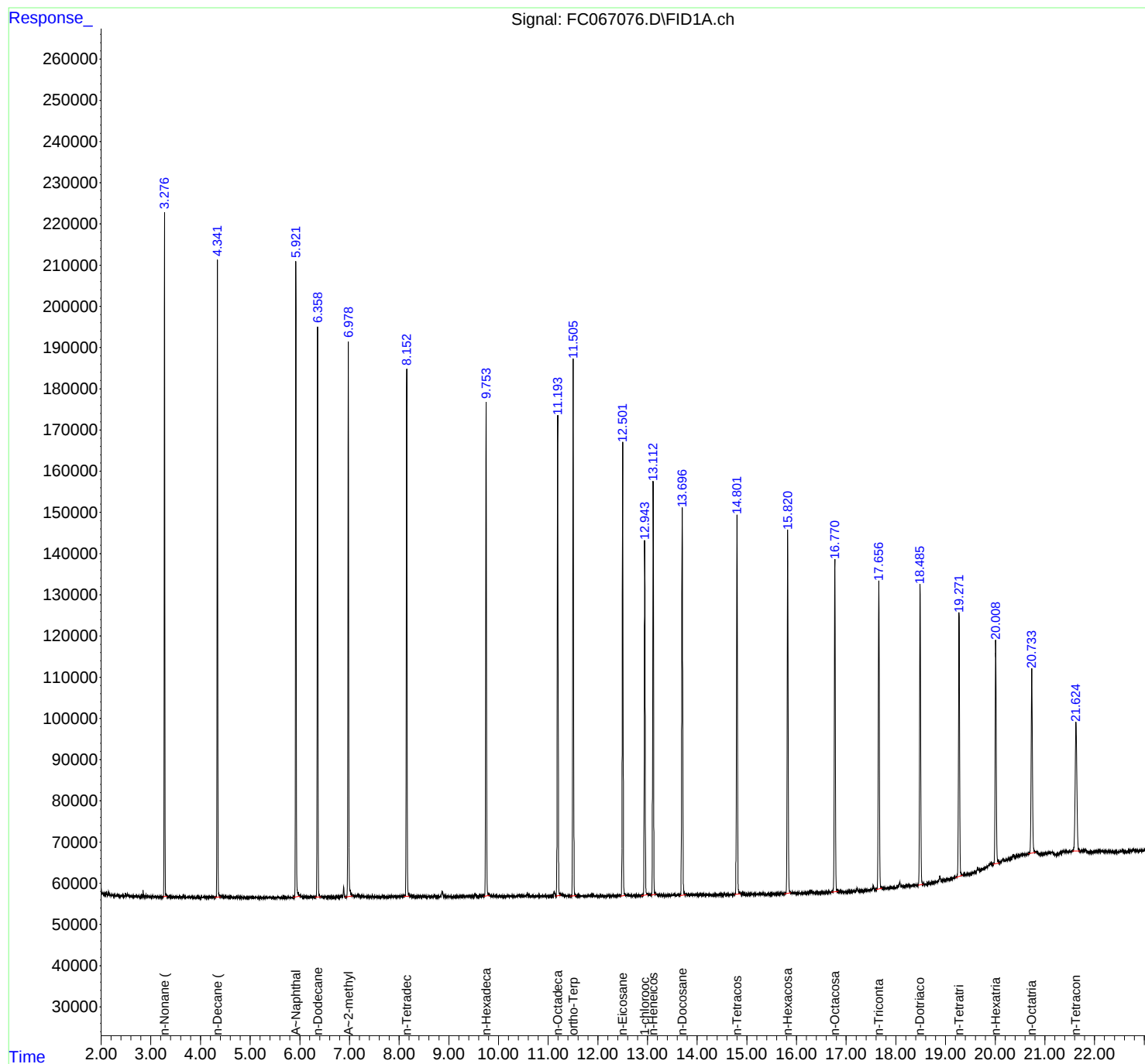
(m)=manual int.

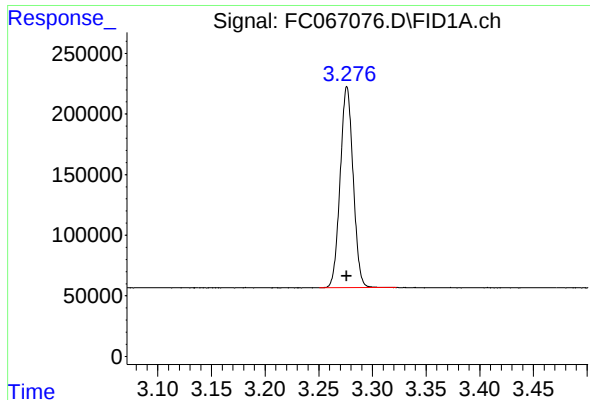
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067076.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: sample.E
Quant Time: Sep 11 02:54:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

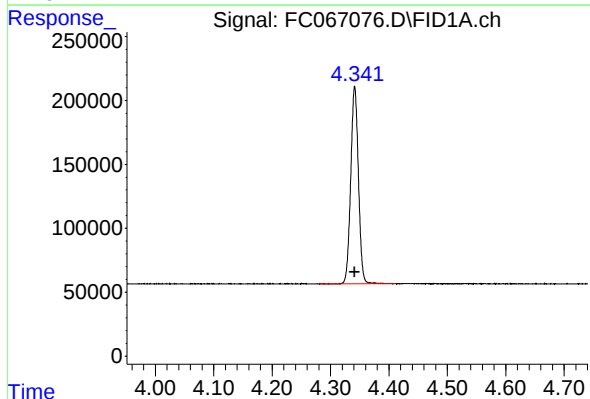




#1 n-Nonane (C9)

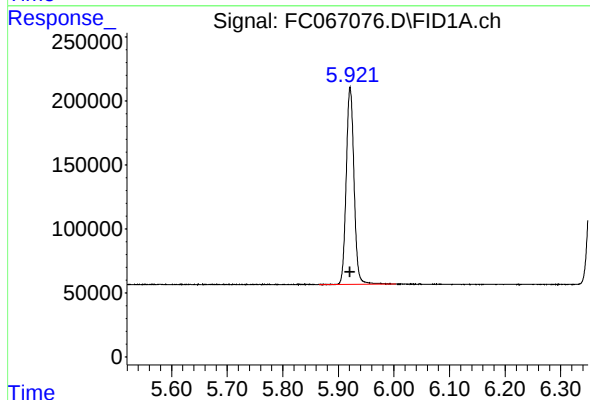
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 1393114
Conc: 10.77 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



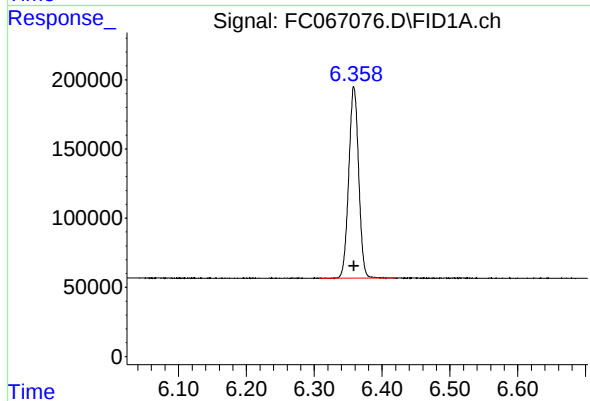
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.000 min
Response: 1411514
Conc: 10.75 ug/ml



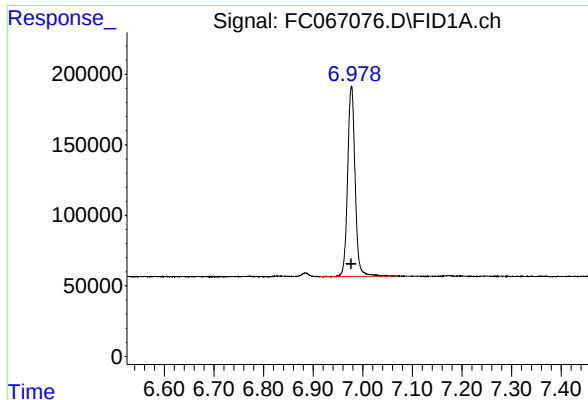
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1499437
Conc: 10.73 ug/ml



#4 n-Dodecane (C12)

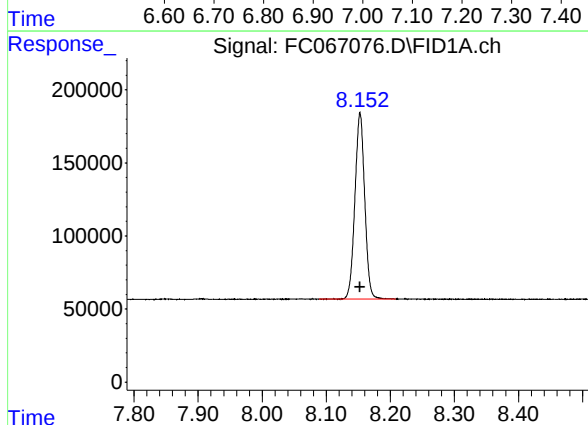
R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 1403991
Conc: 10.75 ug/ml



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

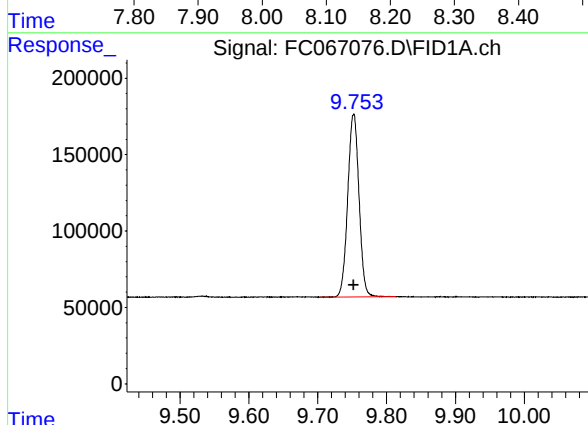
R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 1409620
Conc: 10.69 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



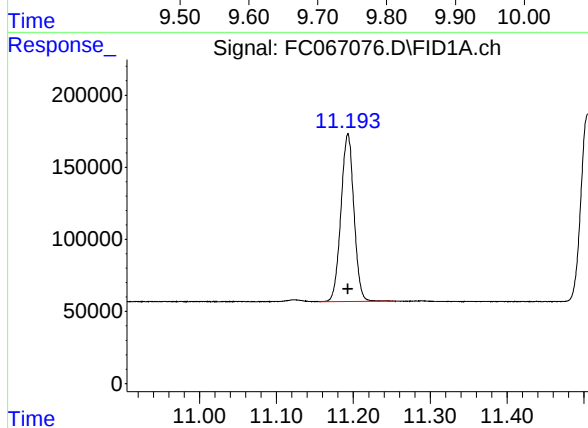
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: 0.000 min
Response: 1355374
Conc: 10.75 ug/ml



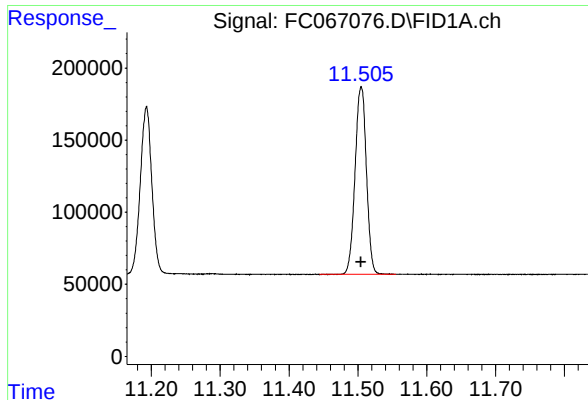
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.000 min
Response: 1362371
Conc: 10.78 ug/ml



#8 n-Octadecane (C18)

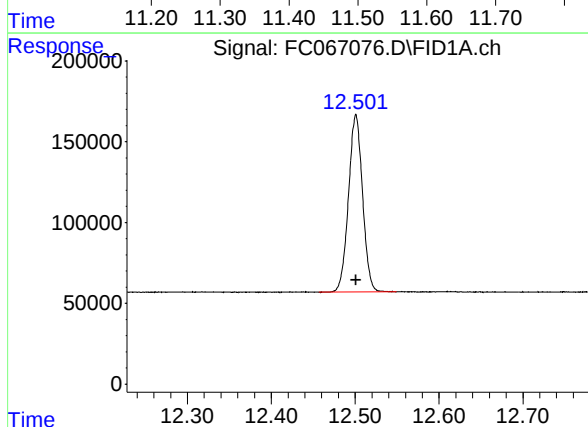
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 1361900
Conc: 10.86 ug/ml



#9 ortho-Terphenyl (SURR)

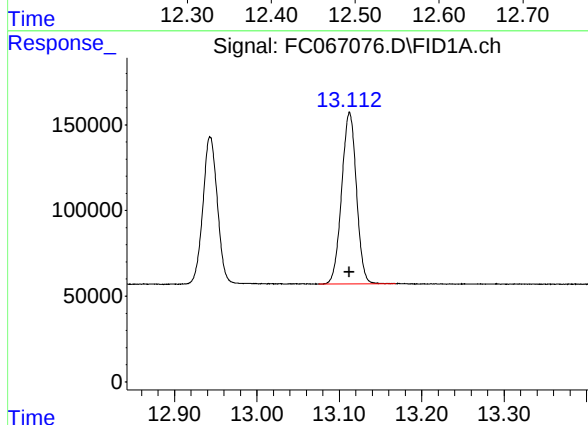
R.T.: 11.505 min
Delta R.T.: 0.000 min
Response: 1489701
Conc: 10.93 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



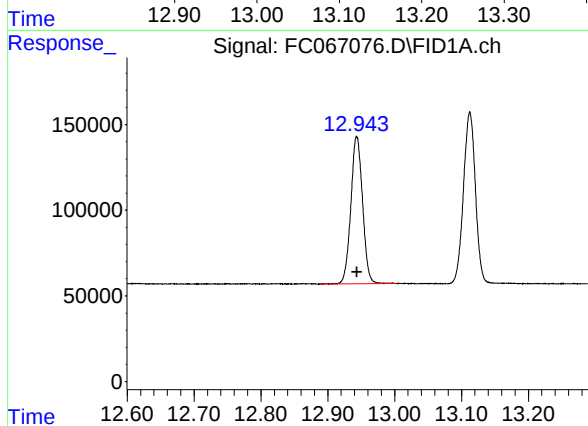
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 1281349
Conc: 10.88 ug/ml



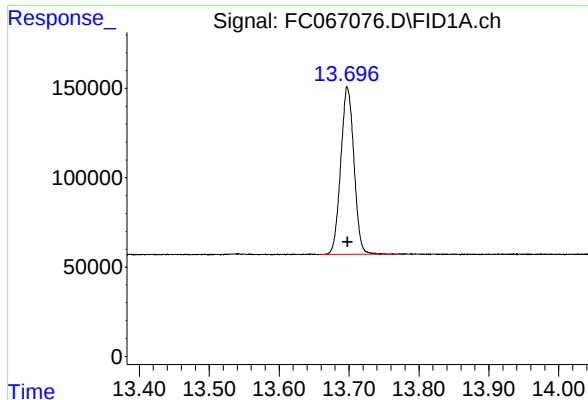
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.000 min
Response: 1243307
Conc: 10.84 ug/ml



#12 1-chlorooctadecane (SURR)

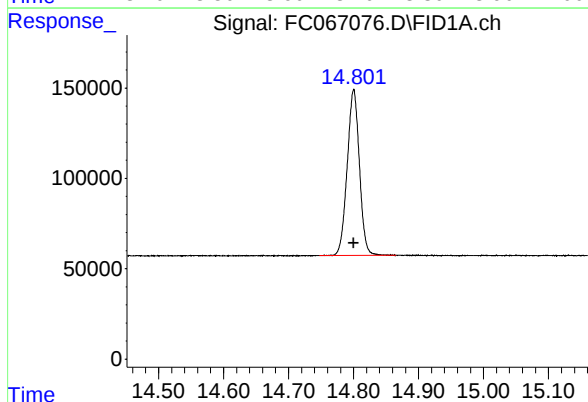
R.T.: 12.943 min
Delta R.T.: 0.000 min
Response: 1045740
Conc: 10.79 ug/ml



#13 n-Docosane (C22)

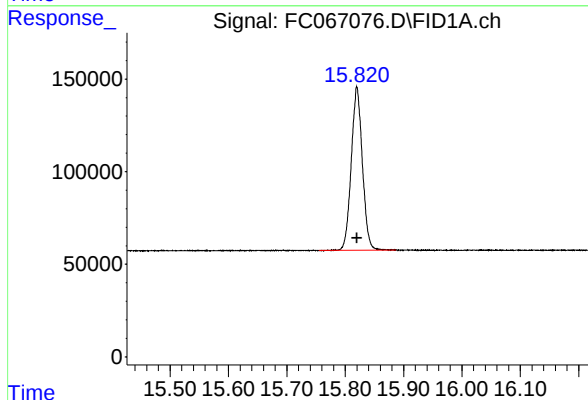
R.T.: 13.698 min
Delta R.T.: 0.000 min
Response: 1230448
Conc: 10.85 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



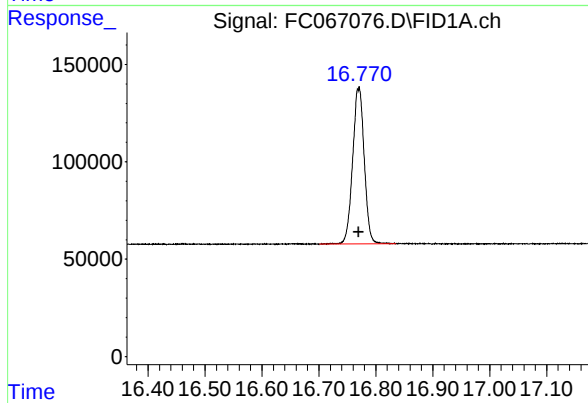
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.000 min
Response: 1201402
Conc: 10.78 ug/ml



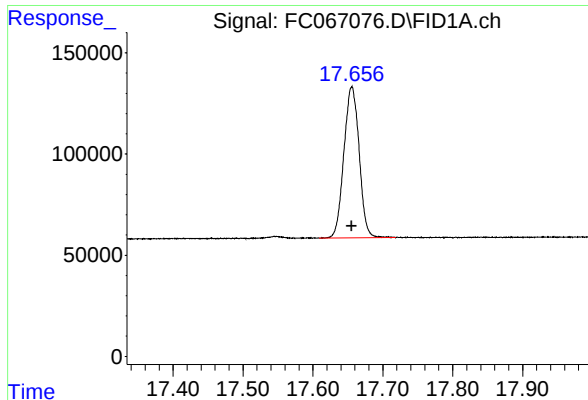
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.000 min
Response: 1166617
Conc: 10.71 ug/ml



#16 n-Octacosane (C28)

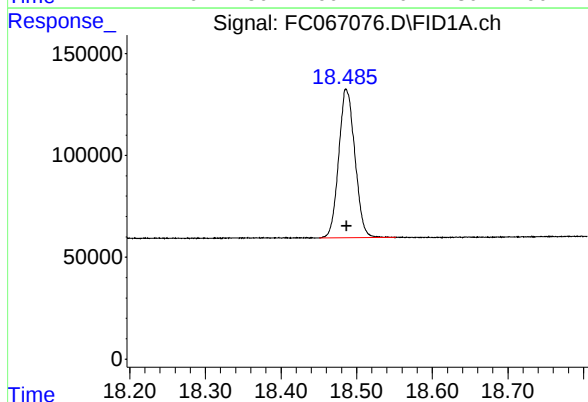
R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 1130068
Conc: 10.66 ug/ml



#17 n-Tricontane (C30)

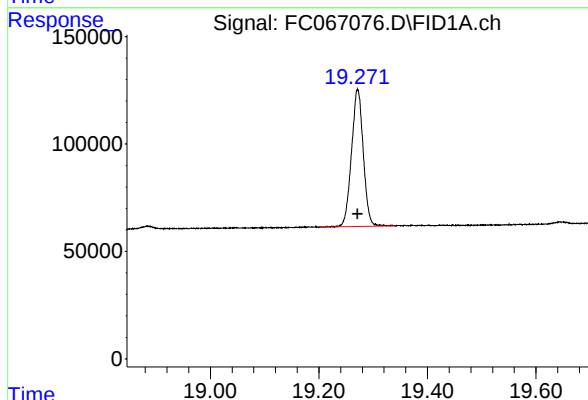
R.T.: 17.656 min
Delta R.T.: 0.000 min
Response: 1131282
Conc: 10.62 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



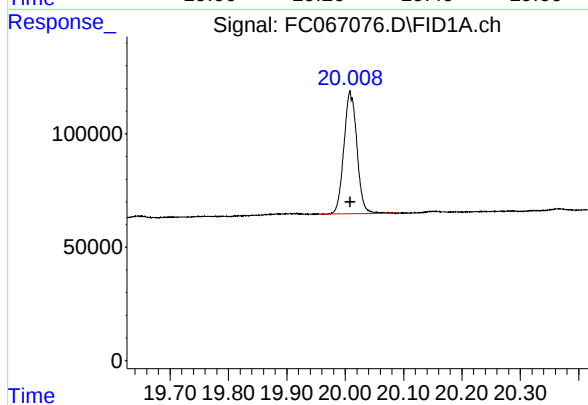
#18 n-Dotriacontane (C32)

R.T.: 18.487 min
Delta R.T.: 0.000 min
Response: 1082919
Conc: 10.63 ug/ml



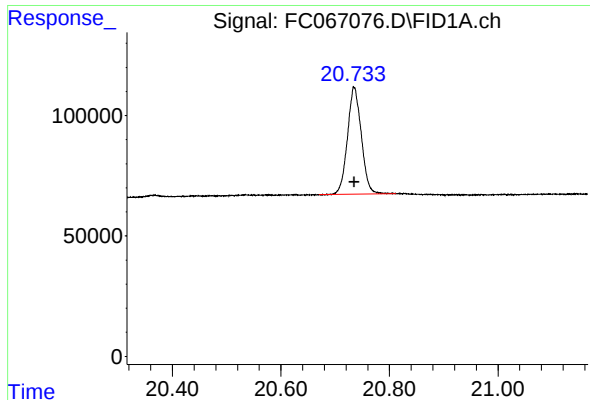
#19 n-Tetatriacontane (C34)

R.T.: 19.271 min
Delta R.T.: 0.000 min
Response: 959742
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

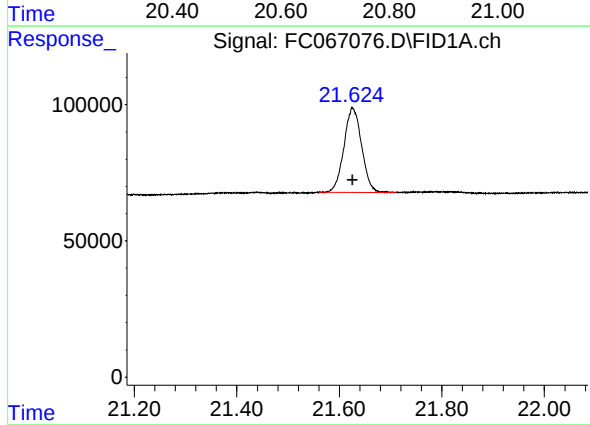
R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 834794
Conc: 10.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.735 min
Delta R.T.: 0.000 min
Response: 790206
Conc: 10.72 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.626 min
Delta R.T.: 0.000 min
Response: 742517
Conc: 10.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067076.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:02
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.276	3.250	3.322	BB	165643	1393114	92.91%	5.252%
2	4.341	4.280	4.412	BB	154198	1411514	94.14%	5.321%
3	5.921	5.865	6.004	BB	152802	1499437	100.00%	5.652%
4	6.359	6.307	6.420	BB	137790	1403991	93.63%	5.293%
5	6.977	6.912	7.067	BB	134569	1409620	94.01%	5.314%
6	8.153	8.089	8.209	BB	127414	1355374	90.39%	5.109%
7	9.752	9.702	9.814	BB	119527	1362371	90.86%	5.136%
8	11.193	11.155	11.255	BB	116890	1361900	90.83%	5.134%
9	11.505	11.444	11.555	BB	130238	1489701	99.35%	5.616%
10	12.501	12.457	12.549	BB	109572	1281349	85.46%	4.830%
11	12.943	12.887	13.002	BB	85842	1045740	69.74%	3.942%
12	13.112	13.075	13.169	BB	99966	1243307	82.92%	4.687%
13	13.698	13.657	13.767	BB	92475	1230448	82.06%	4.638%
14	14.800	14.747	14.865	BB	91851	1201402	80.12%	4.529%
15	15.820	15.755	15.887	BB	88219	1166617	77.80%	4.398%
16	16.770	16.700	16.835	BB	79899	1130068	75.37%	4.260%
17	17.656	17.609	17.719	BB	74490	1131282	75.45%	4.265%
18	18.487	18.450	18.552	BB	72371	1082919	72.22%	4.082%
19	19.271	19.200	19.342	BB	63697	959742	64.01%	3.618%
20	20.009	19.955	20.087	BB	53608	834794	55.67%	3.147%
21	20.735	20.670	20.812	BB	44121	790206	52.70%	2.979%
22	21.626	21.560	21.710	BB	30989	742517	49.52%	2.799%
Sum of corrected areas:							26527411	

Aliphatic EPH 091024.M Wed Sep 11 03:19:55 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067077.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 13:40
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: sample.E
 Quant Time: Sep 11 02:55:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:43:38 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.504	755299	5.424 ug/ml
Spiked Amount 50.000		Recovery =	10.85%
12) S 1-chlorooctadecane (S...	12.943	504187	5.161 ug/ml
Spiked Amount 50.000		Recovery =	10.32%
Target Compounds			
1) T n-Nonane (C9)	3.276	729174	5.497 ug/ml
2) T n-Decane (C10)	4.341	731774	5.448 ug/ml
3) T A~Naphthalene (C11.7)	5.921	759300	5.343 ug/ml
4) T n-Dodecane (C12)	6.358	733779	5.482 ug/ml
5) T A~2-methylnaphthalene...	6.977	702152	5.258 ug/ml
6) T n-Tetradecane (C14)	8.152	700268	5.434 ug/ml
7) T n-Hexadecane (C16)	9.752	696687	5.404 ug/ml
8) T n-Octadecane (C18)	11.193	691467	5.405 ug/ml
10) T n-Eicosane (C20)	12.501	646789	5.385 ug/ml
11) T n-Heneicosane (C21)	13.112	624925	5.351 ug/ml
13) T n-Docosane (C22)	13.697	619054	5.362 ug/ml
14) T n-Tetracosane (C24)	14.801	609641	5.368 ug/ml
15) T n-Hexacosane (C26)	15.820	593015	5.351 ug/ml
16) T n-Octacosane (C28)	16.768	580465	5.374 ug/ml
17) T n-Tricontane (C30)	17.654	589388	5.418 ug/ml
18) T n-Dotriacontane (C32)	18.488	569622	5.461 ug/ml
19) T n-Tetratriacontane (C34)	19.270	502439	5.446 ug/ml
20) T n-Hexatriacontane (C36)	20.009	422298	5.329 ug/ml
21) T n-Octatriacontane (C38)	20.733	403620	5.373 ug/ml
22) T n-Tetracontane (C40)	21.627	373436	5.345 ug/ml

(f)=RT Delta > 1/2 Window

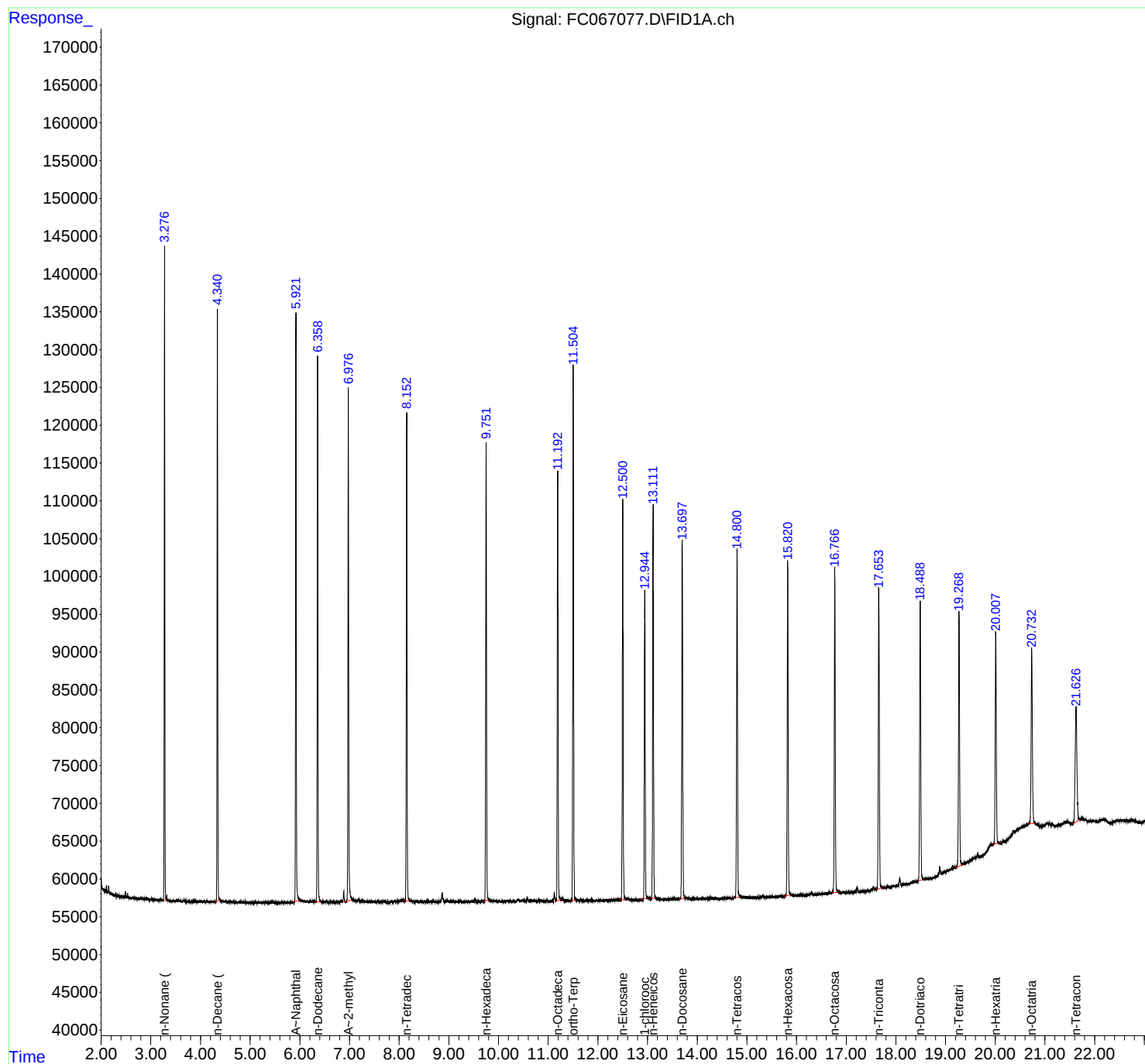
(m)=manual int.

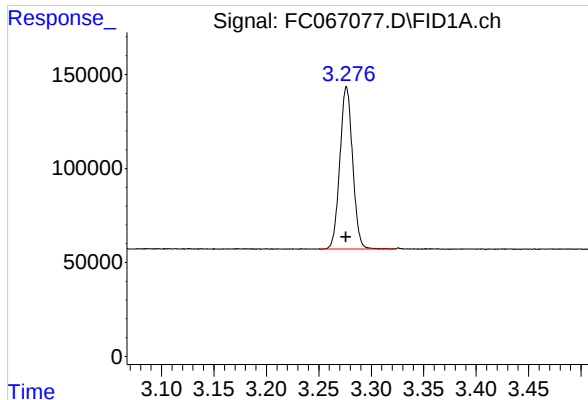
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067077.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 13:40
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: sample.E
Quant Time: Sep 11 02:55:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:43:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

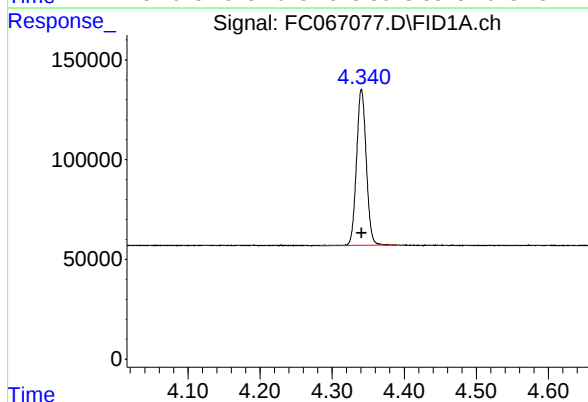




#1 n-Nonane (C9)

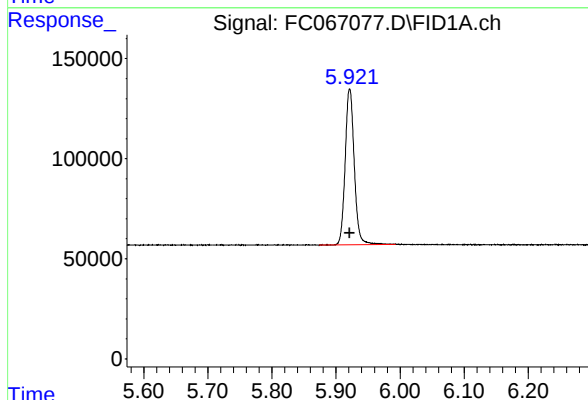
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 729174
Conc: 5.50 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



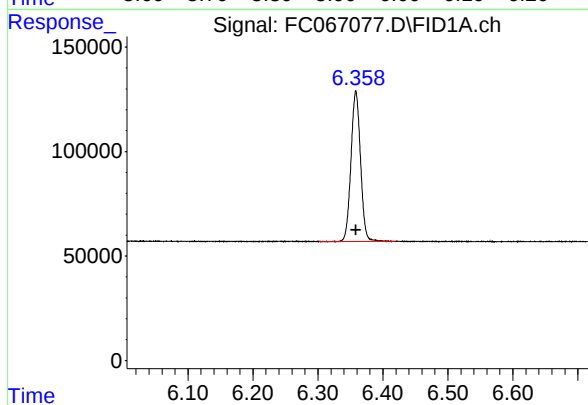
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.000 min
Response: 731774
Conc: 5.45 ug/ml



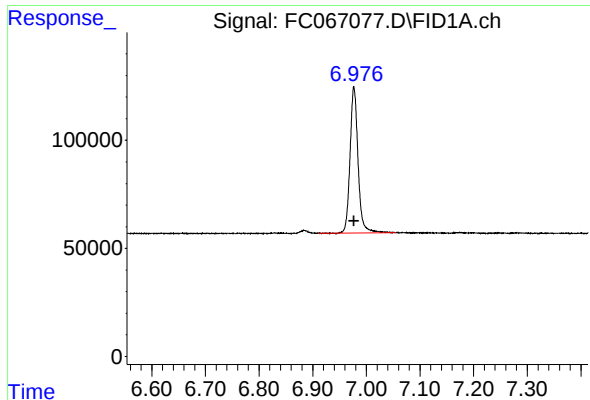
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 759300
Conc: 5.34 ug/ml



#4 n-Dodecane (C12)

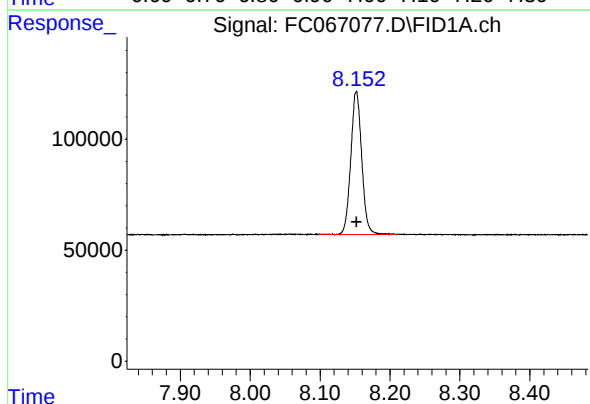
R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 733779
Conc: 5.48 ug/ml



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

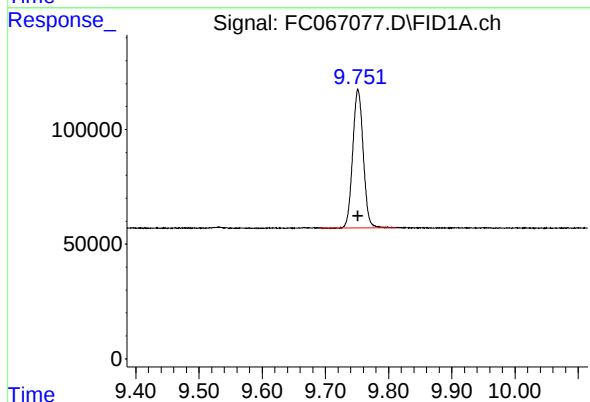
R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 702152
Conc: 5.26 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



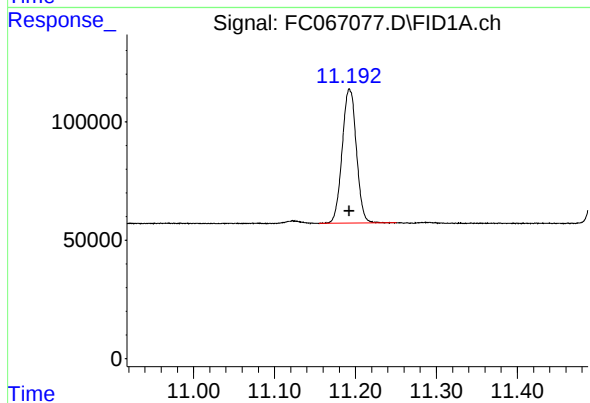
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 700268
Conc: 5.43 ug/ml



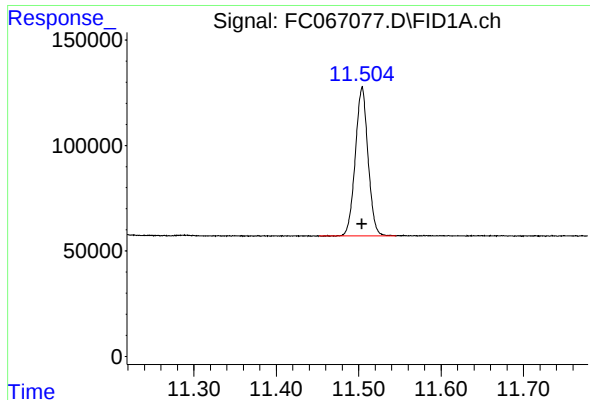
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.000 min
Response: 696687
Conc: 5.40 ug/ml



#8 n-Octadecane (C18)

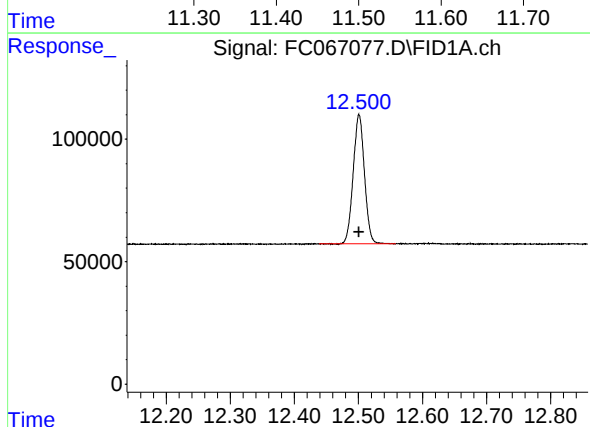
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 691467
Conc: 5.40 ug/ml



#9 ortho-Terphenyl (SURR)

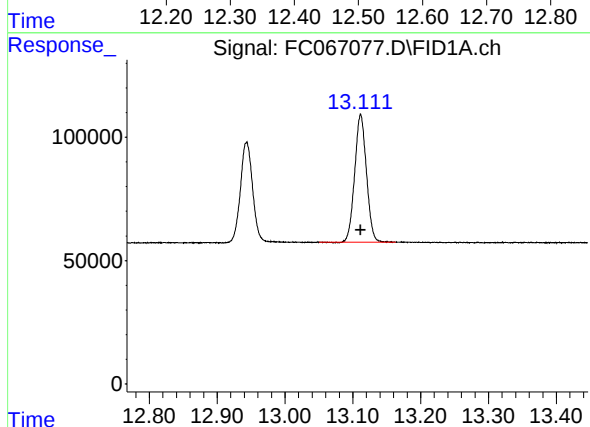
R.T.: 11.504 min
Delta R.T.: 0.000 min
Response: 755299
Conc: 5.42 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



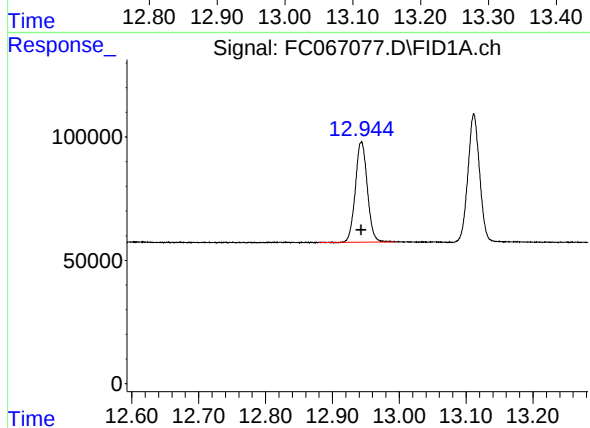
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.000 min
Response: 646789
Conc: 5.38 ug/ml



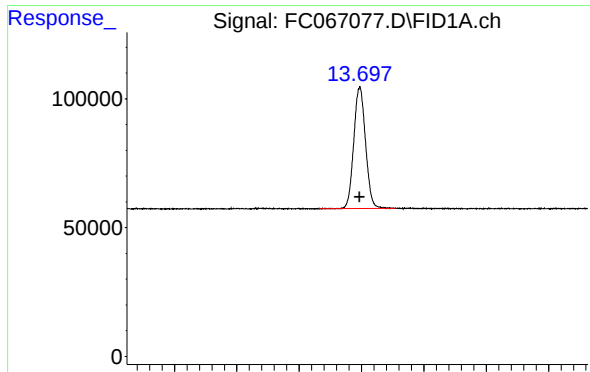
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.000 min
Response: 624925
Conc: 5.35 ug/ml



#12 1-chlorooctadecane (SURR)

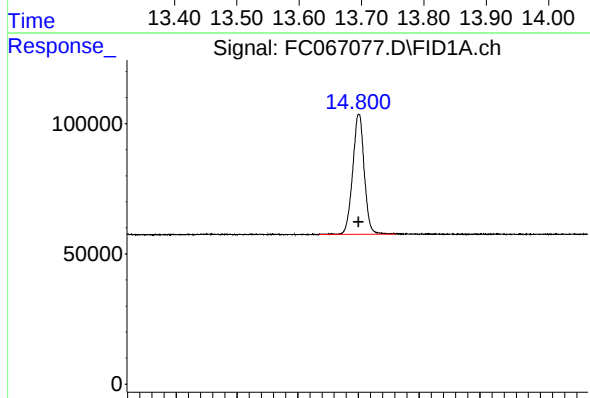
R.T.: 12.943 min
Delta R.T.: 0.000 min
Response: 504187
Conc: 5.16 ug/ml



#13 n-Docosane (C22)

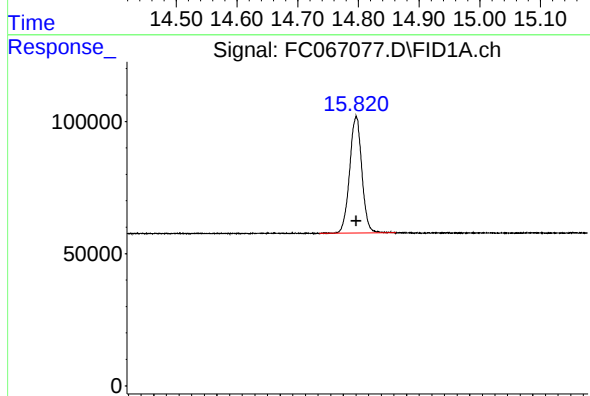
R.T.: 13.697 min
Delta R.T.: 0.000 min
Response: 619054
Conc: 5.36 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



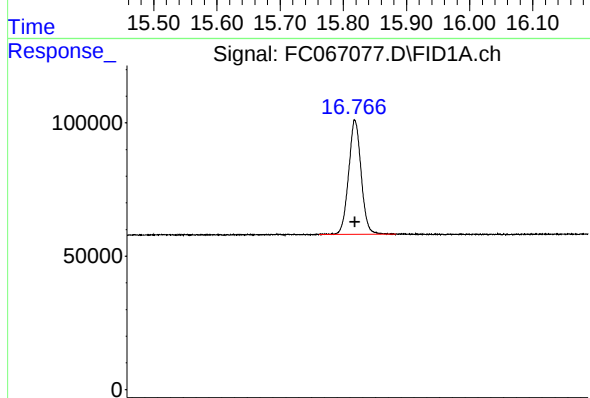
#14 n-Tetracosane (C24)

R.T.: 14.801 min
Delta R.T.: 0.000 min
Response: 609641
Conc: 5.37 ug/ml



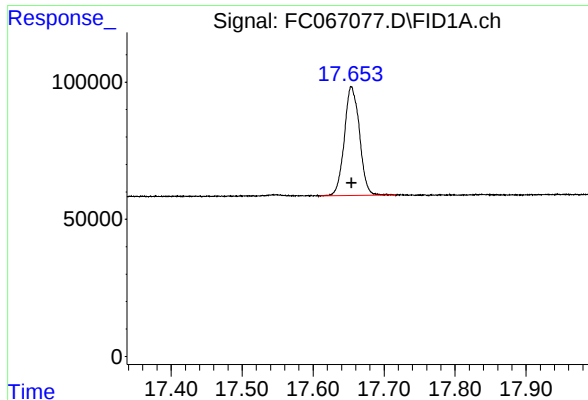
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.000 min
Response: 593015
Conc: 5.35 ug/ml



#16 n-Octacosane (C28)

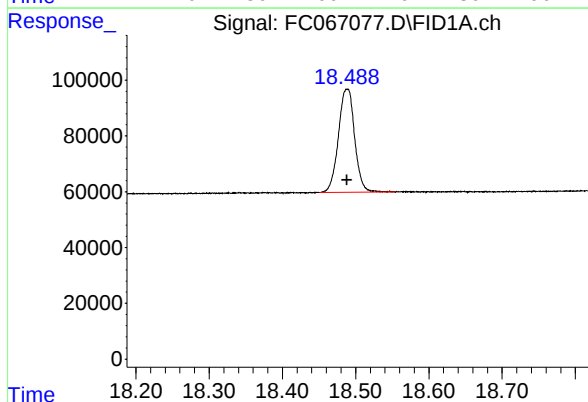
R.T.: 16.768 min
Delta R.T.: 0.000 min
Response: 580465
Conc: 5.37 ug/ml



#17 n-Tricontane (C30)

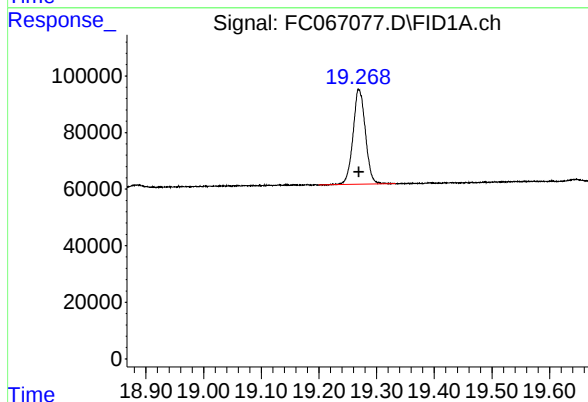
R.T.: 17.654 min
Delta R.T.: 0.000 min
Response: 589388
Conc: 5.42 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



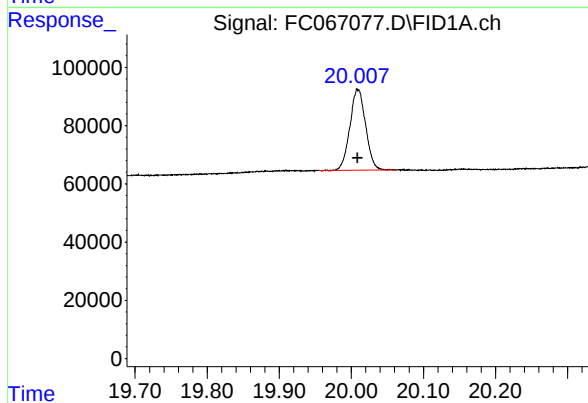
#18 n-Dotriacontane (C32)

R.T.: 18.488 min
Delta R.T.: 0.000 min
Response: 569622
Conc: 5.46 ug/ml



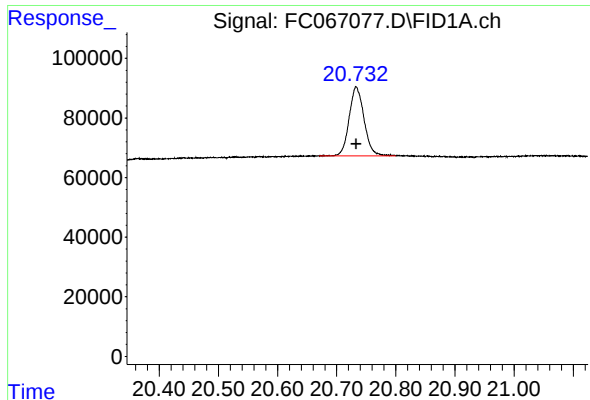
#19 n-Tetatriacontane (C34)

R.T.: 19.270 min
Delta R.T.: 0.000 min
Response: 502439
Conc: 5.45 ug/ml



#20 n-Hexatriacontane (C36)

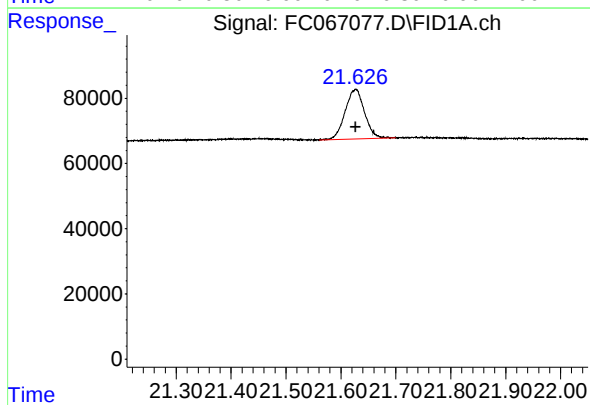
R.T.: 20.009 min
Delta R.T.: 0.000 min
Response: 422298
Conc: 5.33 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.733 min
Delta R.T.: 0.000 min
Response: 403620
Conc: 5.37 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.627 min
Delta R.T.: 0.000 min
Response: 373436
Conc: 5.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067077.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 13:40
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.276	3.250	3.323	BB	86276	729174	96.03%	5.386%
2	4.341	4.282	4.388	BB	78137	731774	96.37%	5.405%
3	5.921	5.873	5.993	BB	77816	759300	100.00%	5.608%
4	6.358	6.302	6.420	BB	72137	733779	96.64%	5.420%
5	6.977	6.912	7.055	BB	67590	702152	92.47%	5.186%
6	8.152	8.098	8.208	BB	64285	700268	92.23%	5.172%
7	9.752	9.690	9.812	BB	60312	696687	91.75%	5.146%
8	11.193	11.155	11.250	BB	56230	691467	91.07%	5.107%
9	11.504	11.452	11.545	BB	70014	755299	99.47%	5.579%
10	12.501	12.438	12.558	BB	52614	646789	85.18%	4.777%
11	12.943	12.880	12.995	BB	40500	504187	66.40%	3.724%
12	13.112	13.050	13.163	BB	51994	624925	82.30%	4.616%
13	13.697	13.632	13.755	BB	46996	619054	81.53%	4.572%
14	14.801	14.735	14.862	BB	46140	609641	80.29%	4.503%
15	15.820	15.762	15.883	BB	44058	593015	78.10%	4.380%
16	16.768	16.712	16.832	BB	42582	580465	76.45%	4.287%
17	17.654	17.608	17.717	BB	39695	589388	77.62%	4.353%
18	18.488	18.450	18.555	BB	36967	569622	75.02%	4.207%
19	19.270	19.200	19.333	BB	33210	502439	66.17%	3.711%
20	20.009	19.955	20.062	BB	27844	422298	55.62%	3.119%
21	20.733	20.670	20.800	BB	23107	403620	53.16%	2.981%
22	21.627	21.560	21.700	BB	15285	373436	49.18%	2.758%
Sum of corrected areas:							13538779	

Aliphatic EPH 091024.M Wed Sep 11 03:20:09 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067078.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 14:19
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: sample.E
 Quant Time: Sep 11 02:56:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.505	2653916	19.059 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
12) S 1-chlorooctadecane (S...	12.945	1856704	19.007 ug/ml
Spiked Amount 50.000		Recovery =	38.01%
Target Compounds			
1) T n-Nonane (C9)	3.276	2567537	19.356 ug/ml
2) T n-Decane (C10)	4.342	2603367	19.384 ug/ml
3) T A~Naphthalene (C11.7)	5.921	2737552	19.262 ug/ml
4) T n-Dodecane (C12)	6.359	2582061	19.290 ug/ml
5) T A~2-methylnaphthalene...	6.977	2565017	19.208 ug/ml
6) T n-Tetradecane (C14)	8.153	2480270	19.245 ug/ml
7) T n-Hexadecane (C16)	9.753	2463563	19.108 ug/ml
8) T n-Octadecane (C18)	11.194	2445133	19.111 ug/ml
10) T n-Eicosane (C20)	12.502	2284481	19.019 ug/ml
11) T n-Heneicosane (C21)	13.113	2223186	19.035 ug/ml
13) T n-Docosane (C22)	13.699	2194135	19.003 ug/ml
14) T n-Tetracosane (C24)	14.800	2162319	19.041 ug/ml
15) T n-Hexacosane (C26)	15.821	2106636	19.008 ug/ml
16) T n-Octacosane (C28)	16.770	2048516	18.964 ug/ml
17) T n-Tricontane (C30)	17.656	2053008	18.874 ug/ml
18) T n-Dotriacontane (C32)	18.489	1959533	18.786 ug/ml
19) T n-Tetratriacontane (C34)	19.271	1720105	18.644 ug/ml
20) T n-Hexatriacontane (C36)	20.010	1473092	18.588 ug/ml
21) T n-Octatriacontane (C38)	20.736	1344947	17.905 ug/ml
22) T n-Tetracontane (C40)	21.626	1202369	17.210 ug/ml

(f)=RT Delta > 1/2 Window

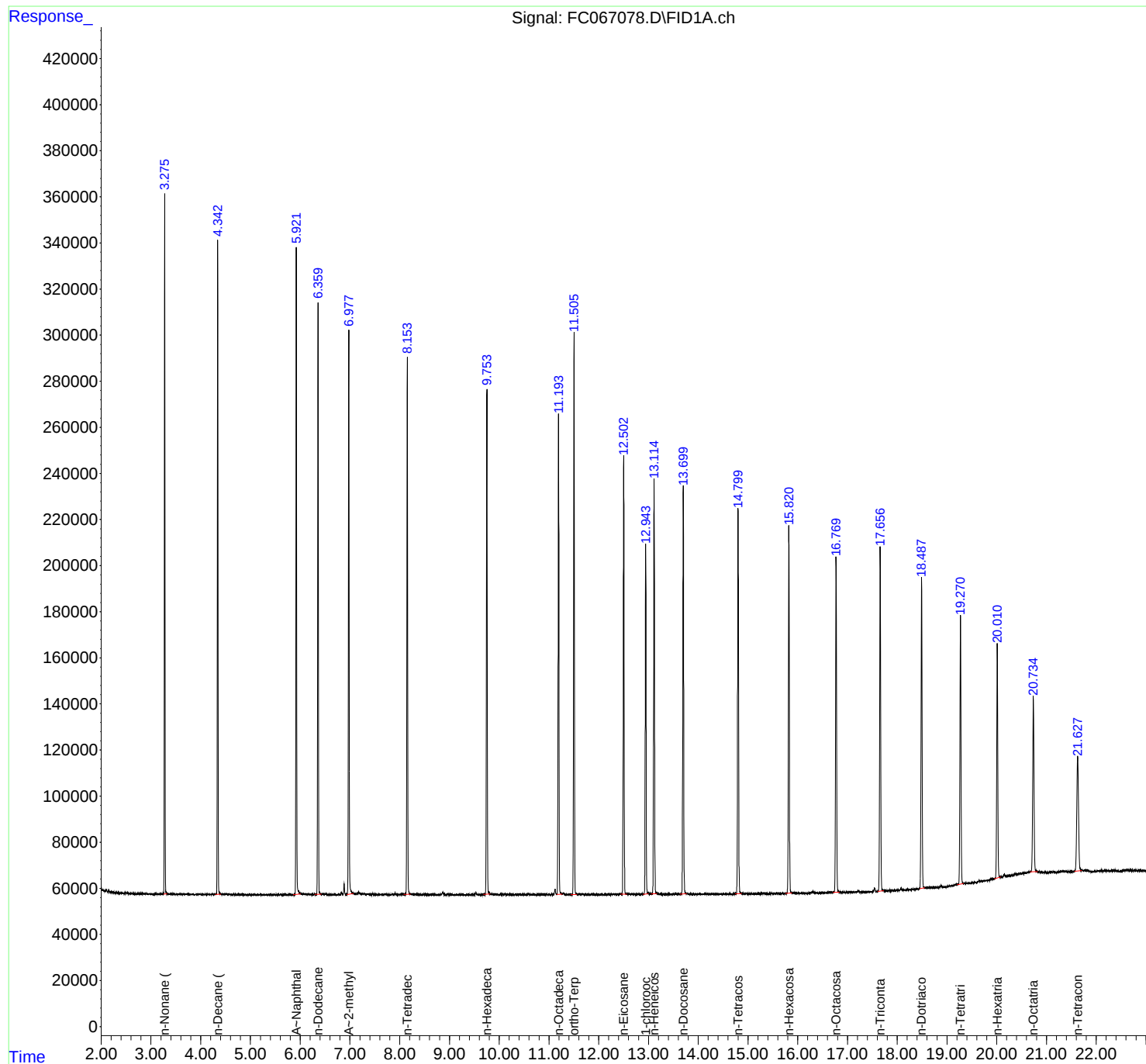
(m)=manual int.

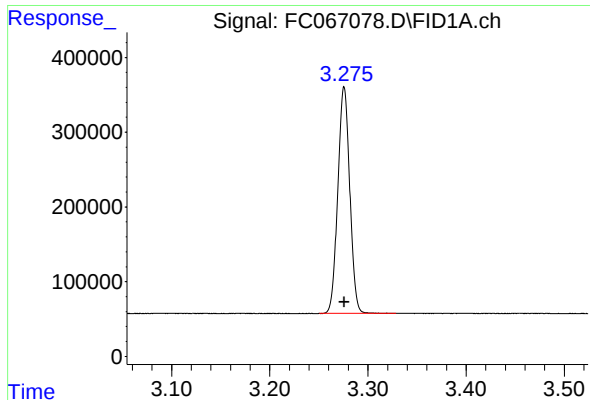
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
Data File : FC067078.D
Signal(s) : FID1A.ch
Acq On : 09 Sep 2024 14:19
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: sample.E
Quant Time: Sep 11 02:56:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 02:55:44 2024
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)

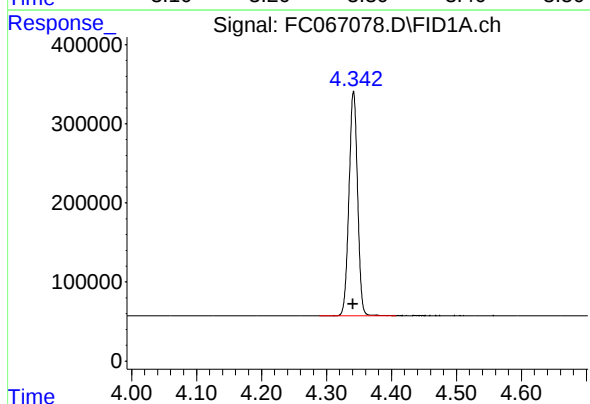
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 2567537
Conc: 19.36 ug/ml

Instrument :

FID_C

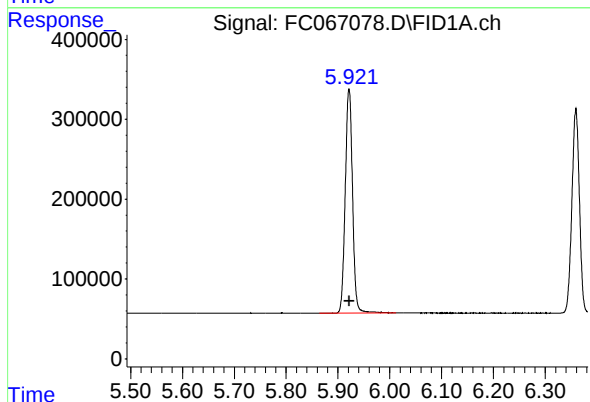
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



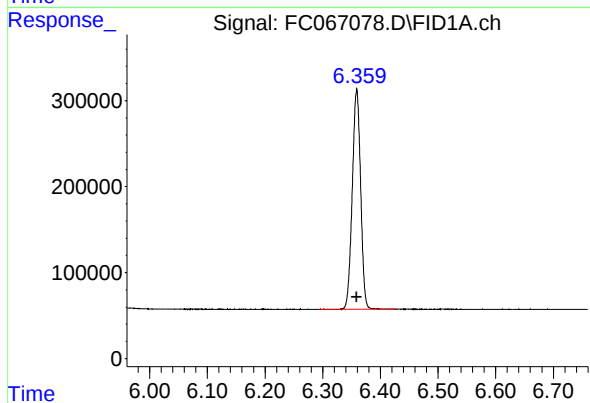
#2 n-Decane (C10)

R.T.: 4.342 min
Delta R.T.: 0.000 min
Response: 2603367
Conc: 19.38 ug/ml



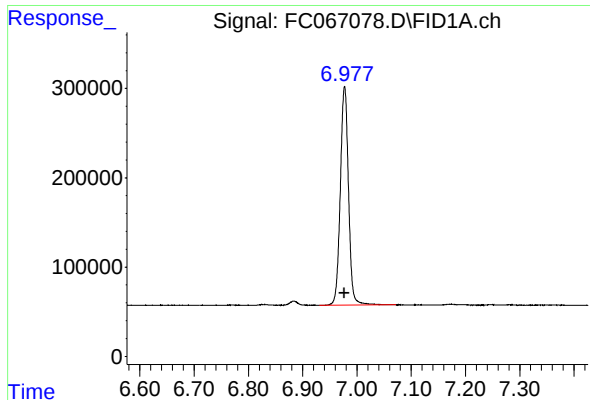
#3 A~Naphthalene (C11.7)

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 2737552
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 2582061
Conc: 19.29 ug/ml



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

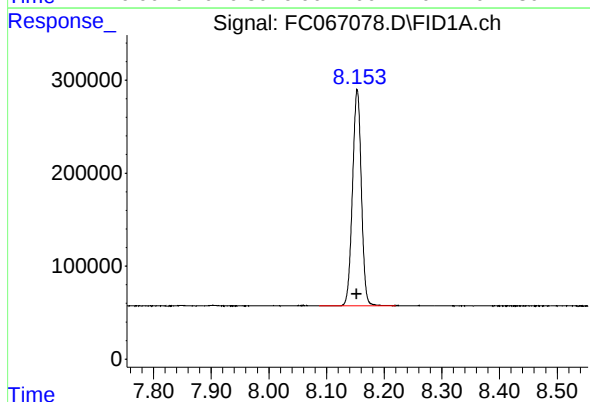
R.T.: 6.977 min
Delta R.T.: 0.000 min
Response: 2565017
Conc: 19.21 ug/ml

Instrument :

FID_C

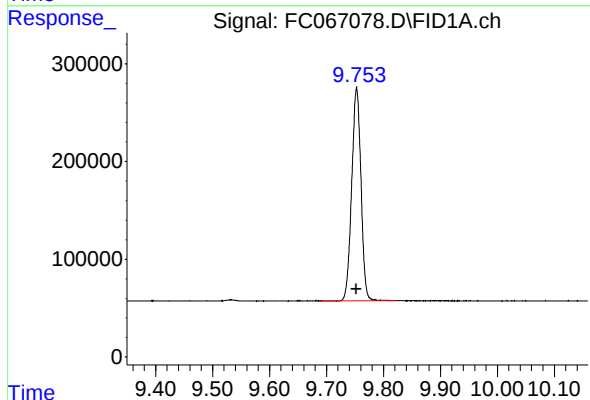
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



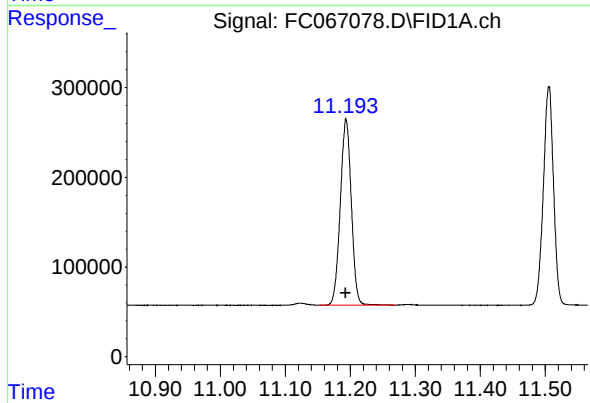
#6 n-Tetradecane (C14)

R.T.: 8.153 min
Delta R.T.: 0.001 min
Response: 2480270
Conc: 19.25 ug/ml



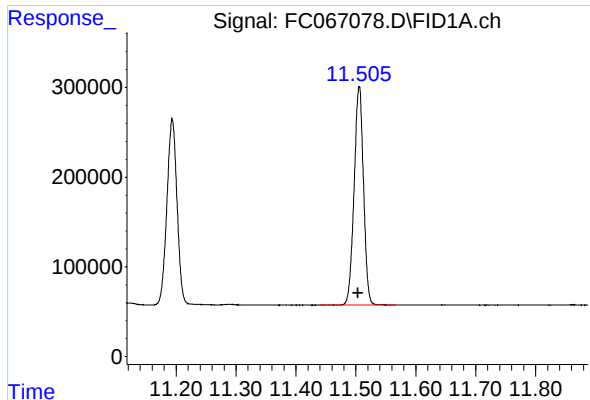
#7 n-Hexadecane (C16)

R.T.: 9.753 min
Delta R.T.: 0.001 min
Response: 2463563
Conc: 19.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 2445133
Conc: 19.11 ug/ml



#9 ortho-Terphenyl (SURR)

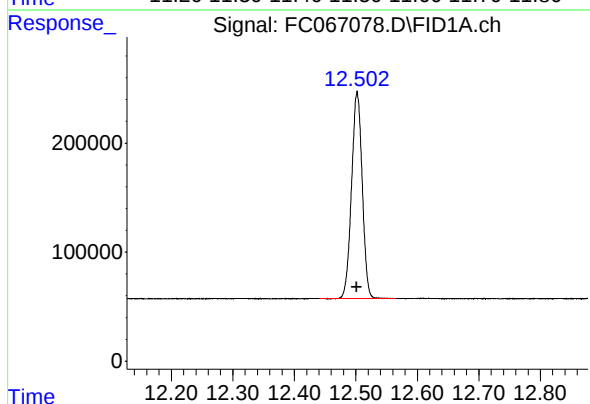
R.T.: 11.505 min
Delta R.T.: 0.001 min
Response: 2653916
Conc: 19.06 ug/ml

Instrument :

FID_C

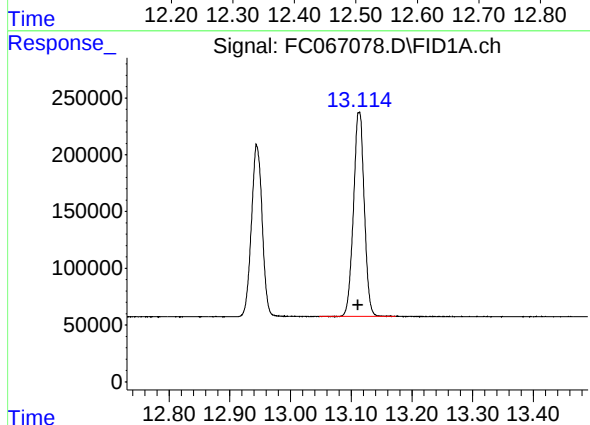
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



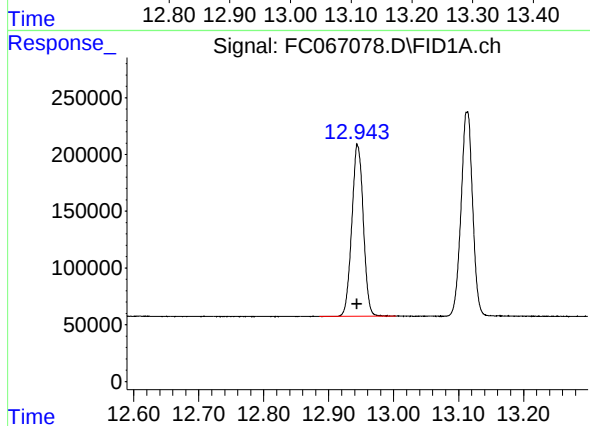
#10 n-Eicosane (C20)

R.T.: 12.502 min
Delta R.T.: 0.001 min
Response: 2284481
Conc: 19.02 ug/ml



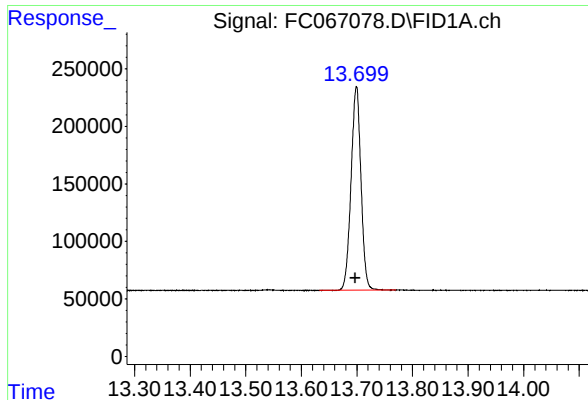
#11 n-Heneicosane (C21)

R.T.: 13.113 min
Delta R.T.: 0.002 min
Response: 2223186
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.945 min
Delta R.T.: 0.001 min
Response: 1856704
Conc: 19.01 ug/ml



#13 n-Docosane (C22)

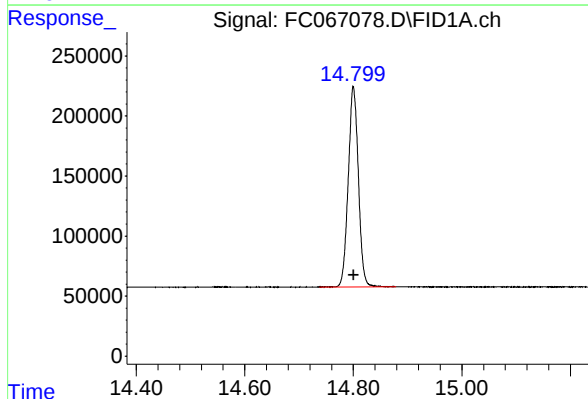
R.T.: 13.699 min
Delta R.T.: 0.002 min
Response: 2194135
Conc: 19.00 ug/ml

Instrument :

FID_C

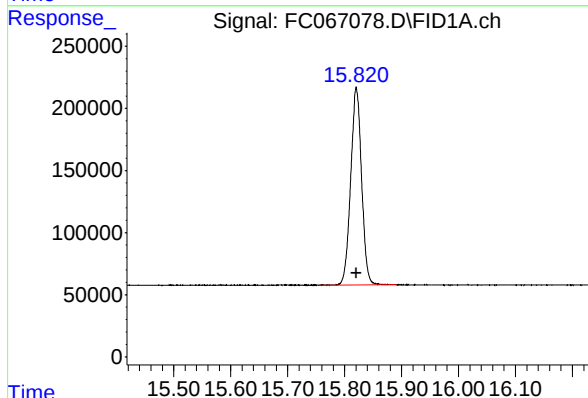
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



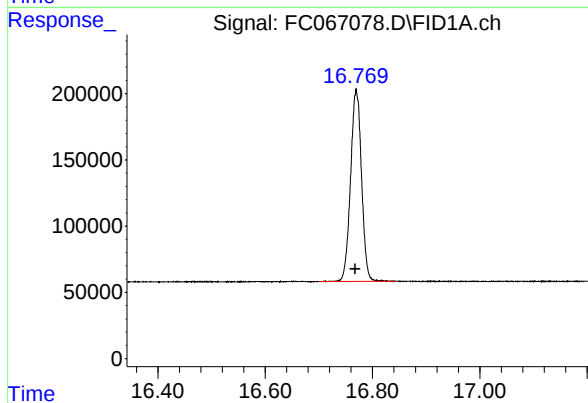
#14 n-Tetracosane (C24)

R.T.: 14.800 min
Delta R.T.: 0.000 min
Response: 2162319
Conc: 19.04 ug/ml



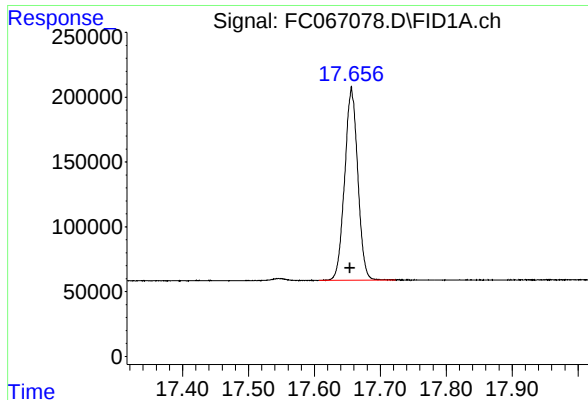
#15 n-Hexacosane (C26)

R.T.: 15.821 min
Delta R.T.: 0.000 min
Response: 2106636
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.770 min
Delta R.T.: 0.002 min
Response: 2048516
Conc: 18.96 ug/ml



#17 n-Tricontane (C30)

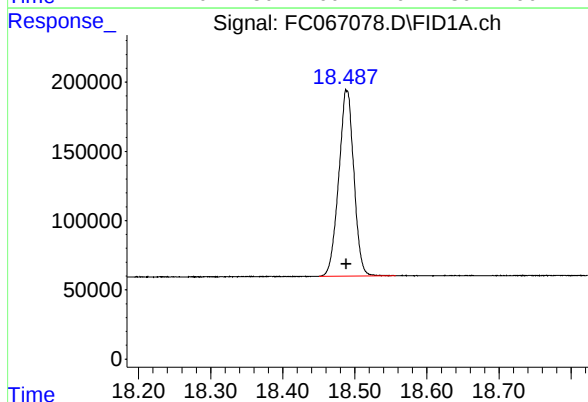
R.T.: 17.656 min
Delta R.T.: 0.002 min
Response: 2053008
Conc: 18.87 ug/ml

Instrument :

FID_C

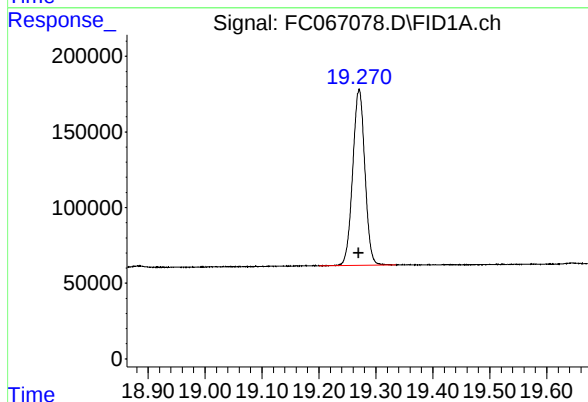
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



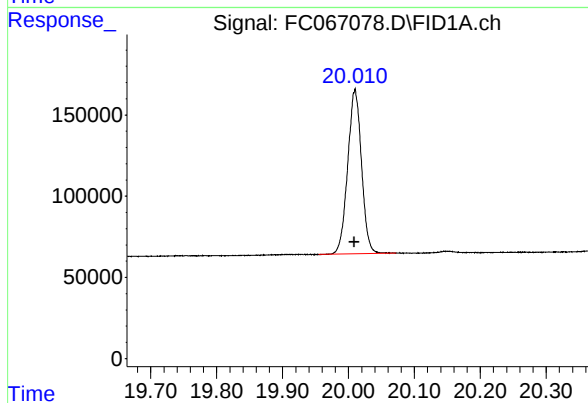
#18 n-Dotriacontane (C32)

R.T.: 18.489 min
Delta R.T.: 0.000 min
Response: 1959533
Conc: 18.79 ug/ml



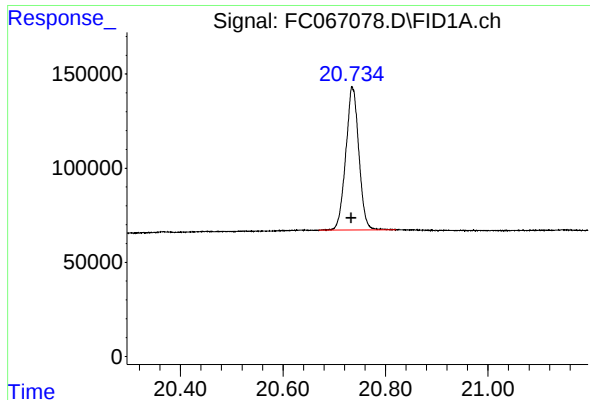
#19 n-Tetatriacontane (C34)

R.T.: 19.271 min
Delta R.T.: 0.000 min
Response: 1720105
Conc: 18.64 ug/ml



#20 n-Hexatriacontane (C36)

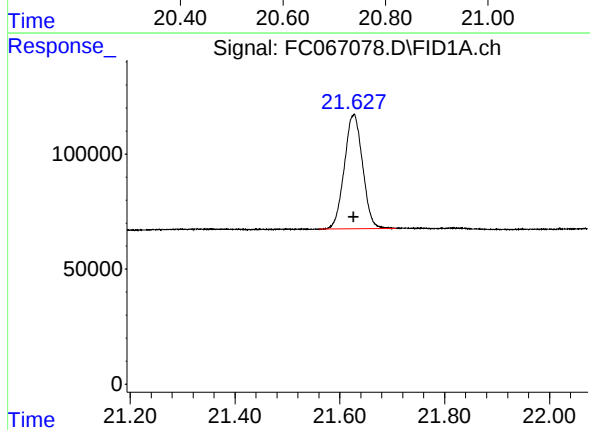
R.T.: 20.010 min
Delta R.T.: 0.000 min
Response: 1473092
Conc: 18.59 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.736 min
Delta R.T.: 0.002 min
Response: 1344947
Conc: 17.90 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.626 min
Delta R.T.: 0.000 min
Response: 1202369
Conc: 17.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC091024AL\
 Data File : FC067078.D
 Signal(s) : FID1A.ch
 Acq On : 09 Sep 2024 14:19
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.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	3.276	3.250	3.329	BB	303611	2567537	93.79%	5.380%
2	4.342	4.289	4.407	BB	283648	2603367	95.10%	5.455%
3	5.921	5.864	6.012	BB	281082	2737552	100.00%	5.736%
4	6.359	6.294	6.427	BB	254674	2582061	94.32%	5.410%
5	6.977	6.930	7.072	BB	244773	2565017	93.70%	5.374%
6	8.153	8.087	8.220	BB	232505	2480270	90.60%	5.197%
7	9.753	9.687	9.822	BB	218357	2463563	89.99%	5.162%
8	11.194	11.152	11.270	VV	207995	2445133	89.32%	5.123%
9	11.505	11.439	11.567	BB	244233	2653916	96.94%	5.561%
10	12.502	12.440	12.565	BB	188959	2284481	83.45%	4.787%
11	12.945	12.885	13.004	BB	149413	1856704	67.82%	3.890%
12	13.113	13.047	13.174	BB	179861	2223186	81.21%	4.658%
13	13.699	13.632	13.770	BB	176950	2194135	80.15%	4.597%
14	14.800	14.737	14.879	BB	166498	2162319	78.99%	4.531%
15	15.821	15.755	15.890	BB	158565	2106636	76.95%	4.414%
16	16.770	16.700	16.844	BB	144012	2048516	74.83%	4.292%
17	17.656	17.607	17.724	BB	147827	2053008	74.99%	4.302%
18	18.489	18.450	18.557	BB	133735	1959533	71.58%	4.106%
19	19.271	19.200	19.335	BB	116120	1720105	62.83%	3.604%
20	20.010	19.955	20.072	BB	101509	1473092	53.81%	3.086%
21	20.736	20.670	20.820	BB	75732	1344947	49.13%	2.818%
22	21.626	21.560	21.707	BB	49845	1202369	43.92%	2.519%
Sum of corrected areas:							47727445	

Aliphatic EPH 091024.M Wed Sep 11 03:20:23 2024